



# ThinkSystem SR650 V4

## Messages and Codes Reference



**Machine Types:** 7DGC, 7DGD, 7DGE, 7DGF, 7DLN, 7DK2

## Note

Before using this information and the product it supports, be sure to read and understand the safety information and the safety instructions, which are available at:

[https://pubs.lenovo.com/safety\\_documentation/](https://pubs.lenovo.com/safety_documentation/)

In addition, be sure that you are familiar with the terms and conditions of the Lenovo warranty for your server, which can be found at:

<http://datacentersupport.lenovo.com/warrantylookup>

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# Contents

|                                                        |            |                                                                    |            |
|--------------------------------------------------------|------------|--------------------------------------------------------------------|------------|
| <b>Contents</b> . . . . .                              | <b>i</b>   | List of UEFI events. . . . .                                       | 166        |
| <b>Chapter 1. Messages</b> . . . . .                   | <b>1</b>   | <b>Chapter 4. XClarity Provisioning Manager events</b> . . . . .   | <b>207</b> |
| Event and alert message format . . . . .               | 1          | LXPM events organized by severity . . . . .                        | 207        |
| <b>Chapter 2. XClarity Controller events</b> . . . . . | <b>5</b>   | List of XClarity Provisioning Manager events . . . . .             | 210        |
| XCC events that automatically notify Support . . . . . | 6          | <b>Appendix A. Getting help and technical assistance</b> . . . . . | <b>233</b> |
| XCC events organized by severity. . . . .              | 7          | Before you call . . . . .                                          | 233        |
| List of XClarity Controller events . . . . .           | 26         | Collecting service data . . . . .                                  | 234        |
| <b>Chapter 3. UEFI events</b> . . . . .                | <b>161</b> | Contacting Support . . . . .                                       | 235        |
| UEFI events organized by severity . . . . .            | 161        |                                                                    |            |



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## Chapter 1. Messages

When attempting to resolve issues with your server, the best practice is to begin with the event log of the application that is managing the server.

- If you are managing the server from the Lenovo XClarity Administrator, begin with the Lenovo XClarity Administrator event log.
- If you are using some other management application, begin with the Lenovo XClarity Controller event log.

The event log contains server hardware events that are recorded by the Lenovo XClarity Controller or by UEFI. In addition, events can be generated when you perform diagnostic testing on hard drives or memory through the Lenovo XClarity Provisioning Manager (although these events are not stored in the event log).

Use this section to view the events that can be generated by Lenovo XClarity Controller, UEFI, or the Lenovo XClarity Provisioning Manager. For each event, a user action is available to help you understand what must be done to resolve the issue.

### Important:

- The server supports Lenovo XClarity Controller 3 (XCC3). For additional information about Lenovo XClarity Controller 3 (XCC3), refer to <https://pubs.lenovo.com/lxcc-overview/>.
- Lenovo XClarity Provisioning Manager (LXPM) supported version varies by product. All versions of Lenovo XClarity Provisioning Manager are referred to as Lenovo XClarity Provisioning Manager and LXPM in this document, unless specified otherwise. To see the LXPM version supported by your server, go to <https://pubs.lenovo.com/lxpm-overview/>.

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## Event and alert message format

You can use the following content to help you understand the event and alert message format.

The following information is provided for each event message.

### Event identifier

A string that uniquely identifies the event or class of events. This is a 12 character string in the following format:

*FQXppnnxxxxc*

where:

- *pp* indicates the product where the event originate, as follows.
  - **CM**. Chassis Management.
  - **HM**. Hardware manager.
  - **PM**. XClarity Provisioning manger - LXPM (LEPT).
  - **SF**. System Firmware.
  - **SP**. Service Processor.
- *nn* identifies the component or system management where the event originated, as follows:

#### *Components*

- **AA**. Canister/Appliance - Contains system components not expected to be serviced by a customer.
- **CA**. Cooling - Fans, blowers, mux cards, policies, chillers/refrigeration, water management units, water pumps, water filtration, air flow sensors, thermal monitors.

- **DA.** Display - Graphics adapters, op panel, monitor/console (including front/back panel, control panel, LCD panel etc).
- **IO.** I/O connectivity - PCI/USB hub, bridge, bus, risers, configuration settings, interconnect, keyboard, mouse, KVM.
- **MA.** Memory - Includes DIMMs, memory card, configuration settings, memory controller, redundant modes (mirroring, spare, etc), RAID memory, NVRAM, EPROM.
- **PU.** Processing - Involves the processor, processor cards and system board, configuration settings, and microcode, cache, Trusted Computing Module, processor interconnect (QPI cables).
- **PW.** Power - Can be power supplies, VRMs, VRDs, voltage levels, system power state, policies, batteries, AT power width, TPMD, power controllers, external power, Battery Backup Unit (UPS), PDUs.
- **SB.** System Board - Main system board, associated risers, system planar, mid-planes, backplanes, interconnects.
- **SD.** Client Data Storage Device - Flash storage adapters, drives, cd/dvd drives, SSD, SAS, DASD, Flash storage, tape, volumes, remoteCopy, flashCopy, managed Storage Systems.
- **SR.** Storage RAID - Adapters, configuration, settings, interconnect, arrays, drive enclosures.
- **VD.** VPD - Configuration settings, EPROMs, communication.

*Systems Management* - FSM, PSM, HMC, FDMC UEFI, CMM, IOMC, CCE, PMC, DPSM, SVC, management of storage, services, IMM, FSP, systems management networking.

- **BR.** Systems Management - Backup/Restore & Failover (HA).
- **BT.** System management - Boot, reboot, hard/warm reset, shutdown.
- **CL.** LEPT Clone.
- **CN.** Systems Management - Console.
- **CP.** Systems Management - Config Patterns.
- **CR.** Systems Management - Core / Virtual Appliance.
- **DD.** Device Driver - AIX, IBM I, Subsystem Device Driver (SDD), IPMI Service.
- **DM.** Systems Management - Data Management.
- **EA.** Vendor Events.
- **EM.** Events Monitoring - LEPT Dash Board.
- **EM.** Systems Management - Events / Monitoring.
- **FC.** Systems Management - FlexCat OS/Config deployment.
- **FW.** System management - Firmware.
- **HA.** Hypervisor - Virtual Components, Boots, Crashes, SRIOV, LPARs.
- **IF.** Interconnect (Fabric) - common, podm, icm, Irim (SWFW major, various minors & functions).
- **II.** Interconnect (Interfaces) - cimp, smis, cli, mapi (SCFG major).
- **IM.** Interconnect (PCI Manager) - pcim (SWFW major, various minors and functions).
- **IN.** Interconnect (Networking) - bos, ethm, fcf, npiv (FCF major plus SWFW major, various minors & functions) data network, network settings, ports, security, adapters, switches, fiber channel, optical ports, Ethernet.
- **IP.** Interconnect (PIE) - tbd.
- **IU.** Interconnect (Utilities / Infrastructure) - util, infr, serv, isds (IBIS major), remote copy (storage).
- **NM.** Network Management - LEPT Welcompage.
- **NM.** Systems Management - Network Management.
- **OH.** OS/Hypervisor Interface - Passing of error logs, partition management, services (time, etc).
- **OS.** LEPT OS Deploy.
- **OS.** OS - Power Linux, AIX IPL, AIX, crash and dump codes, IBM i kernal code, IBM i OS, management of storage.
- **PR.** System management - Entity presence.
- **RC.** Systems Management - Remote Control.
- **SD.** LEPT Storage Test.
- **SE.** Systems Management - Security.
- **SR.** LEPT Raid Setup.
- **SS.** Service & Support - LEPT FFDC Collection.
- **SS.** Systems Management - Service & Support.

- **TR.** Time Reference - RTC, Master clock, drawer clocks, NTP.
- **UN.** Unknown/any entity.
- **UP.** LEPT Firmware Update.
- **UP.** Systems Management - Updates.
- **WD.** System management - Watchdog.
- **xxxx** is an incrementing number of the Sub-System events set.
- **c** identifies the severity, as follows.
  - **A.** Reserved as Immediate Action.
  - **B.** Unknown / No action.
  - **D.** Reserved - Immediate Decision.
  - **E.** Reserved - Eventual Action.
  - **F.** Warning / No Action.
  - **G.** Warning / Deferred Action.
  - **H.** Minor / Deferred Action.
  - **I.** Information / No Action.
  - **J.** Minor / Immediate Action.
  - **K.** Major / Deferred Action.
  - **L.** Major / Immediate Action.
  - **M.** Critical / Immediate Action.
  - **N.** Fatal / Immediate Action.
  - **W.** Reserved - System Wait.



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## Chapter 2. XClarity Controller events

When a hardware event is detected by the Lenovo XClarity Controller on the server, the Lenovo XClarity Controller writes that event in the system-event log on the server.

**Notes:** Event identifier (ID) is a unique identifier used to search for XCC events. The event message may have one or more arguments, which could be replaceable text of FRU name or sensor name to identify the failed component. So one XCC event ID could represent a generic event or similar faults that happened on different hardware components. The general way of problem determination is to locate the event by ID, identify the hardware component by message argument if it contains hardware component name, and then perform actions defined in User Action.

Example:

FQXSPCA0017M: Sensor [SensorElementName] has transitioned to critical from a less severe state where:

- FQXSPCA0017M is the event ID.
- [SensorElementName] is a sensor variable, indicating the name of hardware component. It can be CPU, PCI adapter, OCP card or chipset. You can find the event by the event ID FQXSPCA0017M and perform actions defined in User Action for the component.

For additional information about the Lenovo XClarity Controller event log, see “Viewing Event Logs” section in the XCC documentation compatible with your server at <https://pubs.lenovo.com/lxcc-overview/>.

For each event code, the following fields are displayed:

### Event identifier

An identifier that uniquely identifies an event.

### Event description

The logged message string that appears for an event. When the event string is displayed in the event log, information such as a specific component is displayed. In this documentation, that additional information appears as variables, which include but not limited to the following:

- [SensorElementName], [ManagedElementName], [ProcessorElementName], [ComputerSystemElementName], [PowerSupplyElementName], ...
- [arg1], [arg2], [arg3], [arg4], [arg5]...

### Explanation

Provides additional information to explain why the event occurred.

### Severity

An indication of the level of concern for the condition. The following severities can be displayed.

- **Informational.** The event was recorded for audit purposes, usually a user action or a change of states that is normal behavior.
- **Warning.** The event is not as severe as an error, but if possible, the condition should be corrected before it becomes an error. It might also be a condition that requires additional monitoring or maintenance.
- **Error.** The event is a failure or critical condition that impairs service or an expected function.

### Alert Category

Similar events are grouped together in categories. The alert category is in the following format: *severity - device*, where:

- *severity* is one of the following severity levels:
  - **Critical.** A key component in the server is no longer functioning.
  - **Warning.** The event might progress to a critical level.
  - **System.** The event is the result of a system error or a configuration change.
- *device* is the specific device in the server that caused the event to be generated.

#### Serviceable

Specifies whether user action is required to correct the problem.

#### CIM Information

Provides the prefix of the message ID and the sequence number that is used by the CIM message registry.

#### SNMP Trap ID

The SNMP trap ID that is found in the SNMP alert management information base (MIB).

#### Automatically contact Service

You can configure the Lenovo XClarity Administrator to automatically notify Support (also known as call home) if certain types of errors are encountered. If you have configured this function and this field is set to Yes, Lenovo Support will be notified automatically if the event is generated. While you wait for Lenovo Support to call, you can perform the recommended actions for the event.

**Note:** This documentation includes references to IBM web sites, products, and information about obtaining service. IBM is Lenovo's preferred service provider for the Lenovo server products.

For more information about enabling Call Home from Lenovo XClarity Administrator, see [https://pubs.lenovo.com/lxca/admin\\_setupcallhome](https://pubs.lenovo.com/lxca/admin_setupcallhome). In addition, see “XCC events that automatically notify Support” on page 6 for a consolidated list of all Lenovo XClarity Controller events that are called home to Lenovo Support.

#### User Action

Indicates what actions you should perform to solve the event. Perform the steps listed in this section in the order shown until the problem is solved. If you cannot solve the problem after performing all steps, contact Lenovo Support.

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## XCC events that automatically notify Support

You can configure the XClarity Administrator to automatically notify Support (also known as *call home*) if certain types of errors are encountered. If you have configured this function, see the table for a list of events that automatically notify Support.

Table 1. Events that automatically notify Support

| Event ID     | Message String                                                                                   |
|--------------|--------------------------------------------------------------------------------------------------|
| FQXSPCA0002M | Fan [NumericSensorName] going low (lower critical) has asserted.                                 |
| FQXSPCA0016M | Fan Mismatch has transitioned to critical from a less severe state.                              |
| FQXSPIO0011N | An Uncorrectable Error has occurred on PCIs.                                                     |
| FQXSPPU0016N | An Uncorrectable Error has occurred on CPUs.                                                     |
| FQXSPPW0003L | Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber])has failed. |
| FQXSPSD0001L | The [DriveName] has a fault.                                                                     |
| FQXSPSD0002G | Failure Predicted on [DriveName].                                                                |

Table 1. Events that automatically notify Support (continued)

| Event ID     | Message String                                                                                       |
|--------------|------------------------------------------------------------------------------------------------------|
| FQXSPSD0002L | Drive [DriveLocation] in the enclosure/chassis(MTM-SN: [MachineSerialNumber]) has a fault.           |
| FQXSPSD0003G | Failure Predicted on drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]). |
| FQXSPSS4004I | Test Call Home Generated by user [arg1] from [arg2] at IP address [arg3].                            |

## XCC events organized by severity

The following table lists all XCC events, organized by severity (Information, Error, and Warning).

Table 2. Events organized by severity

| Event ID     | Message String                                                                                                                                                             | Severity      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPBR4000I | Management Controller [arg1]: Configuration restored from a file by user [arg2] from [arg3] at IP address [arg4].                                                          | Informational |
| FQXSPBR4002I | Management Controller [arg1] Reset was caused by restoring default values.                                                                                                 | Informational |
| FQXSPBR4004I | Server timeouts set by user [arg1]: EnableOSWatchdog=[arg2], OSWatchdogTimeout=[arg3], EnableLoaderWatchdog=[arg4], LoaderTimeout=[arg5] from [arg6] at IP address [arg7]. | Informational |
| FQXSPBR4005I | Management Controller [arg1]: Configuration saved to a file by user [arg2] from [arg3] at IP address [arg4].                                                               | Informational |
| FQXSPBR4006I | Management Controller [arg1]: Configuration restoration from a file by user [arg2] completed from [arg3] at IP address [arg4].                                             | Informational |
| FQXSPBR4009I | Management Controller [arg1]: cloning configuration from neighbor server [arg2] by group name [arg3].                                                                      | Informational |
| FQXSPBR400AI | Management Controller [arg1]: cloning configuration from neighbor server [arg2] by group name [arg3] completed.                                                            | Informational |
| FQXSPBR400BI | Management Controller [arg1]: cloning configuration from neighbor server [arg2] by group name [arg3] failed to complete.                                                   | Informational |
| FQXSPBR400CI | Management Controller [arg1]: cloning configuration from neighbor server [arg2] by group name [arg3] failed to start.                                                      | Informational |
| FQXSPBR400DI | Neighbor group clone configuration was initiated by user [arg1] from [arg2] at IP address [arg3].                                                                          | Informational |
| FQXSPBR400EI | Neighbor group firmware update was initiated by user [arg1] from [arg2] at IP address [arg3].                                                                              | Informational |
| FQXSPBR400FI | The neighbor group management is [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                   | Informational |
| FQXSPCA0012I | Fan mismatch is recovered.                                                                                                                                                 | Informational |
| FQXSPCA0013I | PCIe [SensorName] overtemperature has transitioned to normal state.                                                                                                        | Informational |
| FQXSPCA2000I | Fan [NumericSensorName] going low (lower non-critical) has deasserted.                                                                                                     | Informational |
| FQXSPCA2002I | Fan [NumericSensorName] going low (lower critical) has deasserted.                                                                                                         | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                      | Severity      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPCA2007I | Ambient temperature going high (upper non-critical) has deasserted.                                                                                                                                 | Informational |
| FQXSPCA2009I | Ambient temperature going high (upper critical) has deasserted.                                                                                                                                     | Informational |
| FQXSPCA2011I | Ambient temperature going high (upper non-recoverable) has deasserted.                                                                                                                              | Informational |
| FQXSPCA2016I | Fan Mismatch has transitioned to a less severe state from critical.                                                                                                                                 | Informational |
| FQXSPCA2017I | PCIe [SensorName] overtemperature has transitioned to a less severe state from critical.                                                                                                            | Informational |
| FQXSPCA2019I | PCIe [SensorName] overtemperature has deasserted the transition to non-recoverable from a less severe state.                                                                                        | Informational |
| FQXSPCA2042I | Liquid leak detector for [DeviceType] is recovered.                                                                                                                                                 | Informational |
| FQXSPCA2046I | DIMM [DIMMId] temperature going high (upper non-critical) has deasserted.                                                                                                                           | Informational |
| FQXSPCA2047I | DIMM [DIMMId] temperature going high (upper critical) has deasserted.                                                                                                                               | Informational |
| FQXSPCA2048I | DIMM [DIMMId] temperature going high (upper non-recoverable) has deasserted.                                                                                                                        | Informational |
| FQXSPCA2049I | Pump tach [pumpFanIndex] going high (upper non-critical) has deasserted.                                                                                                                            | Informational |
| FQXSPCA2050I | Pump tach [pumpFanIndex] going high (upper critical) has deasserted.                                                                                                                                | Informational |
| FQXSPCA2051I | Pump tach [pumpFanIndex] going high (upper non-recoverable) has deasserted.                                                                                                                         | Informational |
| FQXSPCA2052I | Pump tach [pumpFanIndex] going low (lower critical) has deasserted.                                                                                                                                 | Informational |
| FQXSPCN4000I | Serial Redirection set by user [arg1]: Mode=[arg2], BaudRate=[arg3], StopBits=[arg4], Parity=[arg5], SessionTerminateSequence=[arg6] from [arg7] at IP address [arg8].                              | Informational |
| FQXSPCN4002I | User [arg1] has terminated an active CLI console session from [arg2] at IP address [arg3].                                                                                                          | Informational |
| FQXSPCN4004I | User [arg1] has created an active [arg2] console session from [arg3] at IP address [arg4].                                                                                                          | Informational |
| FQXSPCN4005I | A [arg1] console session is timeout.                                                                                                                                                                | Informational |
| FQXSPCN4006I | User [arg1] has terminated an active IPMI console session from [arg2] at IP address [arg3].                                                                                                         | Informational |
| FQXSPDM4000I | Inventory data changed for device [arg1], new device data hash=[arg2], new master data hash=[arg3].                                                                                                 | Informational |
| FQXSPDM4003I | TKLM servers set by user [arg1]: TKLMServer1=[arg2] Port=[arg3], TKLMServer2=[arg4] Port=[arg5], TKLMServer3=[arg6] Port=[arg7], TKLMServer4=[arg8] Port=[arg9] from [arg10] at IP address [arg11]. | Informational |
| FQXSPDM4004I | TKLM servers device group set by user [arg1]: TKLMServerDeviceGroup=[arg2] from [arg3] at IP address [arg4].                                                                                        | Informational |
| FQXSPDM4005I | User [arg1] has generated a new encryption key pair and installed a self-signed certificate for the TKLM client from [arg2] at IP address [arg3].                                                   | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                                                                      | Severity      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPDM4006I | User [arg1] has generated a new encryption key and certificate signing request for the TKLM client from [arg2] at IP address [arg3].                                                                                                                | Informational |
| FQXSPDM4007I | User [arg1] has imported a signed certificate for the TKLM client from [arg2] from [arg3] at IP address [arg4].                                                                                                                                     | Informational |
| FQXSPDM4008I | User [arg1] has imported a server certificate for the TKLM server from [arg2] at IP address [arg3].                                                                                                                                                 | Informational |
| FQXSPDM4009I | User [arg1] has [arg2] file [arg3] from [arg4] at IP address [arg5].                                                                                                                                                                                | Informational |
| FQXSPDM4010I | Inventory data collecting and processing complete for [arg1], sequence number is [arg2].                                                                                                                                                            | Informational |
| FQXSPDM4011I | EKMS server protocol set by user [arg1]: TKLMServerProtocol=[arg2] from [arg3] at IP address [arg4].                                                                                                                                                | Informational |
| FQXSPDM4012I | User [arg1] has changed the polling configuration for the key management server: Polling enabled=[arg2], interval=[arg3].                                                                                                                           | Informational |
| FQXSPDM4013I | User [arg1] has changed the caching configuration for the key management server: Caching enabled=[arg2], timeout=[arg3].                                                                                                                            | Informational |
| FQXSPEA2003I | Link up is detected on port [[1]] of the PCIe device [[2]] in slot [[3]].                                                                                                                                                                           | Informational |
| FQXSPDM0003I | The Log [RecordLogName] has been cleared.                                                                                                                                                                                                           | Informational |
| FQXSPDM0004I | The Log [RecordLogName] is full.                                                                                                                                                                                                                    | Informational |
| FQXSPDM0005I | The Log [RecordLogName] is almost full.                                                                                                                                                                                                             | Informational |
| FQXSPDM2004I | The Log [RecordLogName] is no longer full.                                                                                                                                                                                                          | Informational |
| FQXSPDM4000I | The [arg1] on system [arg2] cleared by user [arg3] from [arg4] at IP address [arg5].                                                                                                                                                                | Informational |
| FQXSPDM4003I | LED [arg1] state changed to [arg2] by [arg3] from [arg4] at IP address [arg5].                                                                                                                                                                      | Informational |
| FQXSPDM4004I | SNMP [arg1] enabled by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                                                | Informational |
| FQXSPDM4005I | SNMP [arg1] disabled by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                                               | Informational |
| FQXSPDM4006I | Alert Configuration Global Event Notification set by user [arg1]: RetryLimit=[arg2], RetryInterval=[arg3], EntryInterval=[arg4] from [arg5] at IP address [arg6].                                                                                   | Informational |
| FQXSPDM4007I | Alert Recipient Number [arg1] by syslog is updated: Name=[arg2], DeliveryMethod=[arg3], Address=[arg4], IncludeLog=[arg5], Enabled=[arg6], EnabledAlerts=-crt<[arg7]> -wrn<[arg8]> -sys<[arg9]> by user [arg10] from [arg11] at IP address [arg12]. | Informational |
| FQXSPDM4008I | SNMP Traps enabled by user [arg1]: EnabledAlerts=-crt<[arg2]> -wrn<[arg3]> -sys<[arg4]> from [arg5] at IP address [arg6].                                                                                                                           | Informational |
| FQXSPDM4009I | The UEFI Definitions have been changed.                                                                                                                                                                                                             | Informational |
| FQXSPDM4011I | XCC failed to log previous event [arg1].                                                                                                                                                                                                            | Informational |
| FQXSPDM4012I | User [arg1] made system [arg2] Encapsulation lite Mode from [arg3] at IP address [arg4].                                                                                                                                                            | Informational |
| FQXSPDM4028I | The port [arg1] of PCIe device [arg2] has link [arg3].                                                                                                                                                                                              | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                                                                          | Severity      |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPeM4031I | SSD wear [arg1] threshold setting is changed from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6].                                                                                                                                     | Informational |
| FQXSPeM4041I | The SmartNIC in slot [arg1] encountered boot timeout.                                                                                                                                                                                                   | Informational |
| FQXSPeM4042I | The SmartNIC in slot [arg1] went through a crash dump.                                                                                                                                                                                                  | Informational |
| FQXSPeM4046I | Alert Recipient Number [arg1] by email is updated: Name=[arg2], DeliveryMethod=[arg3], EmailAddress=[arg4], IncludeLog=[arg5], Enabled=[arg6], EnabledAlerts=-crt<[arg7]> -wrn<[arg8]> -sys<[arg9]> by user [arg10] from [arg11] at IP address [arg12]. | Informational |
| FQXSPeM4047I | LED [arg1] state changed to [arg2] with physical button.                                                                                                                                                                                                | Informational |
| FQXSPFC4000I | The bare metal connection process has been started.                                                                                                                                                                                                     | Informational |
| FQXSPFC4001I | The bare metal update application reports a status of [arg1].                                                                                                                                                                                           | Informational |
| FQXSPFW0003I | The System [ComputerSystemName] encountered firmware progress.                                                                                                                                                                                          | Informational |
| FQXSPFW0004I | UEFI advanced memory test is running.                                                                                                                                                                                                                   | Informational |
| FQXSPFW0005I | UEFI advanced memory test is completed.                                                                                                                                                                                                                 | Informational |
| FQXSPFW0006I | UEFI advanced memory test is interrupted.                                                                                                                                                                                                               | Informational |
| FQXSPFW0007I | UEFI advanced memory test encountered a hang.                                                                                                                                                                                                           | Informational |
| FQXSPFW2001I | The System [ComputerSystemName] has detected a POST Error deassertion - firmware(BIOS) ROM corruption detected.                                                                                                                                         | Informational |
| FQXSPIO0000I | The connector [PhysicalConnectorName] has been detected as present or connected.                                                                                                                                                                        | Informational |
| FQXSPIO0005N | An I/O Channel Check NMI has occurred on system [ComputerSystemName].                                                                                                                                                                                   | Informational |
| FQXSPIO0010I | A Correctable Bus Error has occurred on bus [BusName].                                                                                                                                                                                                  | Informational |
| FQXSPIO0032I | Device [DeviceType] [DeviceIndex] is installed.                                                                                                                                                                                                         | Informational |
| FQXSPIO0033I | Device [DeviceType] [DeviceIndex] is uninstalled                                                                                                                                                                                                        | Informational |
| FQXSPIO0034I | Connector [ConnectorName] is linked to [DeviceType] [DeviceIndex].                                                                                                                                                                                      | Informational |
| FQXSPIO2004I | Bus [BusName] has recovered from a bus timeout.                                                                                                                                                                                                         | Informational |
| FQXSPIO2005I | System [ComputerSystemName] has recovered from I/O Channel Check NMI.                                                                                                                                                                                   | Informational |
| FQXSPIO2006I | System [ComputerSystemName] has recovered from software NMI.                                                                                                                                                                                            | Informational |
| FQXSPIO2010I | Bus [BusName] has recovered from a Correctable Bus Error.                                                                                                                                                                                               | Informational |
| FQXSPIO2011I | PCIs has recovered from an Uncorrectable Error.                                                                                                                                                                                                         | Informational |
| FQXSPIO2013I | Bus [BusName] has recovered from a Fatal Bus Error.                                                                                                                                                                                                     | Informational |
| FQXSPIO2014I | Bus [BusName] is no longer operating in a degraded state.                                                                                                                                                                                               | Informational |
| FQXSPMA0025I | BMC LAN failover from dedicate to shared.                                                                                                                                                                                                               | Informational |
| FQXSPMA2010I | DIMM [DIMMId] on system [MemoryName] is no longer throttled.                                                                                                                                                                                            | Informational |
| FQXSPMA2012I | An Over-Temperature Condition has been removed on the dimm [DIMMId] on system [MemoryName].                                                                                                                                                             | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                            | Severity      |
|--------------|---------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPMA2025I | BMC LAN recovers back from shared to dedicate.                                                                            | Informational |
| FQXSPMA2037I | DIMMs has recovered from an Uncorrectable Error.                                                                          | Informational |
| FQXSPMA2039I | DIMM [DIMMID] is enabled.                                                                                                 | Informational |
| FQXSPNM4000I | Management Controller [arg1] Network Initialization Complete.                                                             | Informational |
| FQXSPNM4001I | Ethernet Data Rate modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                        | Informational |
| FQXSPNM4002I | Ethernet Duplex setting modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                   | Informational |
| FQXSPNM4003I | Ethernet MTU setting modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                      | Informational |
| FQXSPNM4004I | Ethernet locally administered MAC address modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5]. | Informational |
| FQXSPNM4005I | Ethernet interface [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                | Informational |
| FQXSPNM4006I | Hostname set to [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                   | Informational |
| FQXSPNM4011I | ENET[[arg1]] DHCP-HSTN=[arg2], DN=[arg3], IP@=[arg4], SN=[arg5], GW@=[arg6], DNS1@=[arg7].                                | Informational |
| FQXSPNM4012I | ENET[[arg1]] IP-Cfg:HstName=[arg2], IP@=[arg3] ,NetMsk=[arg4], GW@=[arg5].                                                | Informational |
| FQXSPNM4013I | LAN: Ethernet[[arg1]] interface is no longer active.                                                                      | Informational |
| FQXSPNM4014I | LAN: Ethernet[[arg1]] interface is now active.                                                                            | Informational |
| FQXSPNM4016I | Domain name set to [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                | Informational |
| FQXSPNM4017I | Domain Source changed to [arg1] by user [arg2] from [arg3] at IP address [arg4].                                          | Informational |
| FQXSPNM4018I | DDNS setting changed to [arg1] by user [arg2] from [arg3] at IP address [arg4].                                           | Informational |
| FQXSPNM4019I | DDNS registration successful. The domain name is [arg1].                                                                  | Informational |
| FQXSPNM4020I | IPv6 enabled by user [arg1] from [arg2] at IP address [arg3].                                                             | Informational |
| FQXSPNM4021I | IPv6 disabled by user [arg1] from [arg2] at IP address [arg3].                                                            | Informational |
| FQXSPNM4022I | IPv6 static IP configuration enabled by user [arg1] from [arg2] at IP address [arg3].                                     | Informational |
| FQXSPNM4023I | IPv6 DHCP enabled by user [arg1] from [arg2] at IP address [arg3].                                                        | Informational |
| FQXSPNM4024I | IPv6 stateless auto-configuration enabled by user [arg1] from [arg2] at IP address [arg3].                                | Informational |
| FQXSPNM4025I | IPv6 static IP configuration disabled by user [arg1] from [arg2] at IP address [arg3].                                    | Informational |
| FQXSPNM4026I | IPv6 DHCP disabled by user [arg1] from [arg2] at IP address [arg3].                                                       | Informational |
| FQXSPNM4027I | IPv6 stateless auto-configuration disabled by user [arg1] from [arg2] at IP address [arg3].                               | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                                                                   | Severity      |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPNM4028I | ENET[[arg1]] IPv6-LinkLocal:HstName=[arg2], IP@=[arg3] ,Pref=[arg4].                                                                                                                                                                             | Informational |
| FQXSPNM4029I | ENET[[arg1]] IPv6-Static:HstName=[arg2], IP@=[arg3] ,Pref=[arg4], GW@=[arg5].                                                                                                                                                                    | Informational |
| FQXSPNM4030I | ENET[[arg1]] DHCPv6-HSTN=[arg2], DN=[arg3], IP@=[arg4], Pref=[arg5], DNS1@=[arg6].                                                                                                                                                               | Informational |
| FQXSPNM4031I | IPv6 static address of network interface modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                         | Informational |
| FQXSPNM4034I | SSH port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                                                   | Informational |
| FQXSPNM4035I | Web-HTTP port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                                              | Informational |
| FQXSPNM4036I | Web-HTTPS port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                                             | Informational |
| FQXSPNM4039I | SNMP Agent port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                                            | Informational |
| FQXSPNM4040I | SNMP Traps port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                                            | Informational |
| FQXSPNM4041I | Syslog port number for syslog receiver [arg1] is changed from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6].                                                                                                                  | Informational |
| FQXSPNM4042I | Remote Presence port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                                       | Informational |
| FQXSPNM4043I | SMTP Server set by user [arg1] to [arg2]:[arg3] from [arg4] at IP address [arg5].                                                                                                                                                                | Informational |
| FQXSPNM4045I | DNS servers set by user [arg1]: UseAdditionalServers=[arg2], PreferredDNStype=[arg3], IPv4Server1=[arg4], IPv4Server2=[arg5], IPv4Server3=[arg6], IPv6Server1=[arg7], IPv6Server2=[arg8], IPv6Server3=[arg9] from [arg10] at IP address [arg11]. | Informational |
| FQXSPNM4046I | LAN over USB [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                                             | Informational |
| FQXSPNM4047I | LAN over USB Port Forwarding set by user [arg1]: ExternalPort=[arg2], USB-LAN port=[arg3] from [arg4] at IP address [arg5].                                                                                                                      | Informational |
| FQXSPNM4048I | PXE boot requested by user [arg1] from [arg2] at IP address [arg3].                                                                                                                                                                              | Informational |
| FQXSPNM4049I | User [arg1] has initiated a TKLM Server Connection Test to check connectivity to server [arg2] from [arg3] at IP address [arg4].                                                                                                                 | Informational |
| FQXSPNM4051I | User [arg1] has set the SMTP Server reverse-path to [arg2] from [arg3] at IP address [arg4].                                                                                                                                                     | Informational |
| FQXSPNM4053I | DNS discovery of Lenovo XClarity Administrator has been [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                  | Informational |
| FQXSPNM4054I | The hostname from DHCP is [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                                | Informational |
| FQXSPNM4055I | The hostname from DHCP is invalid.                                                                                                                                                                                                               | Informational |
| FQXSPNM4056I | The NTP server address [arg1] is invalid.                                                                                                                                                                                                        | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                               | Severity      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPNM4057I | Security: IP address: [arg1] had [arg2] login failures, it will be blocked to access for [arg3] minutes.                                     | Informational |
| FQXSPNM4058I | IP address of network interface [arg1] is modified from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6].                    | Informational |
| FQXSPNM4059I | IP subnet mask of network interface [arg1] is modified from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6].                | Informational |
| FQXSPNM4060I | IP address of default gateway of network interface [arg1] is modified from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6]. | Informational |
| FQXSPNM4068I | The USB [arg1] is [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                    | Informational |
| FQXSPNM4069I | The LLDP service is [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                  | Informational |
| FQXSPNM4070I | Daisy mode is [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                        | Informational |
| FQXSPOS4000I | OS Watchdog response [arg1] by [arg2] from [arg3] at IP address [arg4].                                                                      | Informational |
| FQXSPOS4001I | Watchdog [arg1] Screen Capture Occurred.                                                                                                     | Informational |
| FQXSPOS4004I | Operating System status has changed to [arg1].                                                                                               | Informational |
| FQXSPOS4005I | Host Power-On password changed by user [arg1] from [arg2] at IP address [arg3].                                                              | Informational |
| FQXSPOS4006I | Host Power-On password cleared by user [arg1] from [arg2] at IP address [arg3].                                                              | Informational |
| FQXSPOS4007I | Host Admin password changed by user [arg1] from [arg2] at IP address [arg3].                                                                 | Informational |
| FQXSPOS4008I | Host Admin password cleared by user [arg1] from [arg2] at IP address [arg3].                                                                 | Informational |
| FQXSPOS4009I | OS Crash Video Captured.                                                                                                                     | Informational |
| FQXSPOS4011I | OS failure screen capture with hardware error is [arg1] by user [arg2] from [arg3] at IP address [arg4].                                     | Informational |
| FQXSPOS4012I | POST watchdog Screen Capture Occurred.                                                                                                       | Informational |
| FQXSPPP4000I | Attempting to [arg1] server [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                          | Informational |
| FQXSPPP4001I | Server Power Off Delay set to [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                        | Informational |
| FQXSPPP4002I | Server [arg1] scheduled for [arg2] at [arg3] by user [arg4] from [arg5] at IP address [arg6].                                                | Informational |
| FQXSPPP4003I | Server [arg1] scheduled for every [arg2] at [arg3] by user [arg4] from [arg5] at IP address [arg6].                                          | Informational |
| FQXSPPP4004I | Server [arg1] [arg2] cleared by user [arg3] from [arg4] at IP address [arg5].                                                                | Informational |
| FQXSPPP4005I | The power cap value changed from [arg1] watts to [arg2] watts by user [arg3] from [arg4] at IP address [arg5].                               | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                   | Severity      |
|--------------|------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPPP4011I | Power capping was activated by user [arg1] from [arg2] at IP address [arg3].                                     | Informational |
| FQXSPPP4012I | Power capping was deactivated by user [arg1] from [arg2] at IP address [arg3].                                   | Informational |
| FQXSPPP4020I | The measured power value has returned below the power cap value.                                                 | Informational |
| FQXSPPP4022I | The server was restarted for an unknown reason.                                                                  | Informational |
| FQXSPPP4023I | The server is restarted by chassis control command.                                                              | Informational |
| FQXSPPP4024I | The server was reset via push button.                                                                            | Informational |
| FQXSPPP4025I | The server was powered-up via power push button.                                                                 | Informational |
| FQXSPPP4026I | The server was restarted when the watchdog expired.                                                              | Informational |
| FQXSPPP4027I | The server was restarted for OEM reason.                                                                         | Informational |
| FQXSPPP4028I | The server was automatically powered on because the power restore policy is set to always on.                    | Informational |
| FQXSPPP4029I | The server was automatically powered on because the power restore policy is set to restore previous power state. | Informational |
| FQXSPPP4030I | The server was reset via Platform Event Filter.                                                                  | Informational |
| FQXSPPP4031I | The server was power-cycled via Platform Event Filter.                                                           | Informational |
| FQXSPPP4032I | The server was soft reset.                                                                                       | Informational |
| FQXSPPP4033I | The server was powered up via Real Time Clock (scheduled power on).                                              | Informational |
| FQXSPPP4034I | The server was powered off for an unknown reason.                                                                | Informational |
| FQXSPPP4035I | The server was powered off by chassis control command.                                                           | Informational |
| FQXSPPP4036I | The server was powered off via push button.                                                                      | Informational |
| FQXSPPP4037I | The server was powered off when the watchdog expired.                                                            | Informational |
| FQXSPPP4038I | The server stayed powered off because the power restore policy is set to always off.                             | Informational |
| FQXSPPP4039I | The server stayed powered off because the power restore policy is set to restore previous power state.           | Informational |
| FQXSPPP4040I | The server was powered off via Platform Event Filter.                                                            | Informational |
| FQXSPPP4041I | The server was powered off via Real Time Clock (scheduled power off).                                            | Informational |
| FQXSPPP4042I | Management Controller [arg1] reset was initiated due to Power-On-Reset.                                          | Informational |
| FQXSPPP4044I | Management Controller [arg1] reset was initiated by CMM.                                                         | Informational |
| FQXSPPP4047I | Management Controller [arg1] reset was initiated by user [arg2] from [arg3] at IP address [arg4].                | Informational |
| FQXSPPP4048I | Attempting to AC power cycle server [arg1] by user [arg2] from [arg3] at IP address [arg4].                      | Informational |
| FQXSPPP4049I | Management Controller [arg1] reset was initiated by Front Panel.                                                 | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                         | Severity      |
|--------------|--------------------------------------------------------------------------------------------------------|---------------|
| FQXSPPP4050I | Management Controller [arg1] reset was initiated to activate PFR Firmware.                             | Informational |
| FQXSPPP4054I | Unbalanced PSU config is detected, system is using less node PSU capacity.                             | Informational |
| FQXSPPR0000I | [BackplaneName] detected as present.                                                                   | Informational |
| FQXSPPR0003I | Front Panel detected as present.                                                                       | Informational |
| FQXSPPR0004I | TPM module detected as present.                                                                        | Informational |
| FQXSPPR2001I | [BackplaneName] detected as absent.                                                                    | Informational |
| FQXSPPR2003I | Front Panel detected as absent.                                                                        | Informational |
| FQXSPPR2004I | TPM module detected as absent.                                                                         | Informational |
| FQXSPPU2001I | An Over-Temperature Condition has been removed on Processor [ProcessorId].                             | Informational |
| FQXSPPU2002I | The Processor [ProcessorId] is no longer operating in a Degraded State.                                | Informational |
| FQXSPPU2007I | The System [ComputerSystemName] has detected a POST Error deassertion - CPU voltage mismatch.          | Informational |
| FQXSPPU2009I | Processor [ProcessorId] has Recovered from a Configuration Mismatch.                                   | Informational |
| FQXSPPU2015I | CPU feature mismatch is recovered.                                                                     | Informational |
| FQXSPPU2016I | CPUs has recovered from an Uncorrectable Error.                                                        | Informational |
| FQXSPPU2017I | Processor [ProcessorId] has recovered from a hard fault.                                               | Informational |
| FQXSPPW0001I | Power supply [PowerSupplyId] has been added.                                                           | Informational |
| FQXSPPW0002I | Power supply [PowerSupplyId] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]) has been added. | Informational |
| FQXSPPW0004I | The input to power supply [PowerSupplyId] has been lost or fallen out of range.                        | Informational |
| FQXSPPW0005I | Power supply [PowerSupplyId] is operating in an Input State that is out of range.                      | Informational |
| FQXSPPW0008I | Host power has been turned off.                                                                        | Informational |
| FQXSPPW0009I | Host power has been Power Cycled.                                                                      | Informational |
| FQXSPPW0011I | Host power has lost power.                                                                             | Informational |
| FQXSPPW0054I | PSU Mismatch has transitioned to normal state.                                                         | Informational |
| FQXSPPW0091I | Redundancy Power Resource has been restored.                                                           | Informational |
| FQXSPPW0129I | PSU [SensorName] failure has transitioned to normal state.                                             | Informational |
| FQXSPPW0130I | PSU [SensorName] prediction fault failure has transitioned to normal state.                            | Informational |
| FQXSPPW0131I | PSU [SensorName] input failure has transitioned to normal state.                                       | Informational |
| FQXSPPW2001I | Power supply [PowerSupplyId] has been removed.                                                         | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                              | Severity      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPPW2002I | Power supply [PowerSupplyId] has returned to OK status.                                                                     | Informational |
| FQXSPPW2003I | Failure no longer predicted on power supply [PowerSupplyId].                                                                | Informational |
| FQXSPPW2004I | Power supply [PowerSupplyId] has returned to a Normal Input State.                                                          | Informational |
| FQXSPPW2005I | Power supply [PowerSupplyId] has returned to a Normal Input State.                                                          | Informational |
| FQXSPPW2006I | Power supply [PowerSupplyId] has returned to a Normal Input State.                                                          | Informational |
| FQXSPPW2007I | Power supply [PowerSupplyId] Configuration is OK.                                                                           | Informational |
| FQXSPPW2008I | Host power has been turned on.                                                                                              | Informational |
| FQXSPPW2009I | Power supply [PowerSupplyId] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]) has been removed.                    | Informational |
| FQXSPPW2011I | Host power was restored.                                                                                                    | Informational |
| FQXSPPW2015I | Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]) has returned to OK status.            | Informational |
| FQXSPPW2017I | Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]) has returned to a normal input state. | Informational |
| FQXSPPW2031I | CMOS battery voltage going low (lower non-critical) has deasserted.                                                         | Informational |
| FQXSPPW2057I | PSU [SensorName] prediction fault failure has deasserted the transition from normal to non-critical state.                  | Informational |
| FQXSPPW2061I | PSU [SensorName] failure has transitioned to a less severe state from critical.                                             | Informational |
| FQXSPPW2062I | PSU Mismatch has transitioned to a less severe state from critical.                                                         | Informational |
| FQXSPPW2063I | SysBrd voltage fault has transitioned to a less severe state from critical.                                                 | Informational |
| FQXSPPW2101I | Redundancy Degraded for Power Resource has deasserted.                                                                      | Informational |
| FQXSPPW2104I | Non-redundant:Sufficient Resources from Redundancy Degraded or Fully Redundant for Power Resource has deasserted.           | Informational |
| FQXSPPW2110I | Non-redundant:Insufficient Resources for Power Resource has deasserted.                                                     | Informational |
| FQXSPPW2123I | PSU [SensorName] input failure has transitioned to a less severe state from critical.                                       | Informational |
| FQXSPPW2134I | CMOS battery voltage going low (lower critical) has deasserted.                                                             | Informational |
| FQXSPPW2135I | Recovered from invalid PSU redundancy config.                                                                               | Informational |
| FQXSPSD0000I | The [DriveName] has been added.                                                                                             | Informational |
| FQXSPSD0003I | Hot Spare enabled with drive [DriveLocation].                                                                               | Informational |
| FQXSPSD0005I | Hot Spare enabled for drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]).                       | Informational |
| FQXSPSD0007I | The [DriveName] is rebuilding.                                                                                              | Informational |
| FQXSPSD0008I | Array rebuild in progress on drive [DriveLocation] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]).               | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                                                | Severity      |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPSD2000I | The [DriveName] has been removed from unit [PhysicalPackageName].                                                                                                                                                             | Informational |
| FQXSPSD2001I | The [DriveName] has recovered from a fault.                                                                                                                                                                                   | Informational |
| FQXSPSD2002I | Failure no longer Predicted on [DriveName].                                                                                                                                                                                   | Informational |
| FQXSPSD2003I | Hot Spare disabled with drive [DriveLocation].                                                                                                                                                                                | Informational |
| FQXSPSD2007I | Rebuild completed on [DriveName].                                                                                                                                                                                             | Informational |
| FQXSPSD2008I | Drive [DriveLocation] in the enclosure/chassis(MTM-SN: [MachineSerialNumber]) has recovered from a fault.                                                                                                                     | Informational |
| FQXSPSD2011I | Failure no longer Predicted on drive [DriveLocation] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]).                                                                                                               | Informational |
| FQXSPSD2012I | Hot Spare disabled for drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]).                                                                                                                        | Informational |
| FQXSPSD2015I | Array rebuild completed on drive [DriveLocation] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]).                                                                                                                   | Informational |
| FQXSPSE2000I | The Chassis [ComputerSystemName] was closed.                                                                                                                                                                                  | Informational |
| FQXSPSE2010I | System guard changed to compliant status.                                                                                                                                                                                     | Informational |
| FQXSPSE4001I | Remote Login Successful. Login ID: [arg1] using [arg2] from [arg3] at IP address [arg4].                                                                                                                                      | Informational |
| FQXSPSE4002I | Security: Userid: [arg1] using [arg2] had [arg3] login failures from WEB client at IP address [arg4].                                                                                                                         | Informational |
| FQXSPSE4003I | Security: Login ID: [arg1] had [arg2] login failures from CLI at [arg3].                                                                                                                                                      | Informational |
| FQXSPSE4004I | Remote access attempt failed. Invalid userid or password received. Userid is [arg1] from WEB browser at IP address [arg2].                                                                                                    | Informational |
| FQXSPSE4007I | Security: Userid: [arg1] using [arg2] had [arg3] login failures from an SSH client at IP address [arg4].                                                                                                                      | Informational |
| FQXSPSE4008I | SNMPv1 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4], Address=[arg5] from [arg6] at IP address [arg7].                                                                                                            | Informational |
| FQXSPSE4009I | LDAP Server configuration set by user [arg1]: AuthenticonOnly=[arg2], UseDNS=[arg3], ForestName=[arg4], DomainName=[arg5], Server1=[arg6], Server2=[arg7], Server3=[arg8], Server4=[arg9] from [arg10] at IP address [arg11]. | Informational |
| FQXSPSE4010I | LDAP set by user [arg1]: Type=[arg2], RootDN=[arg3], UserSearchAttribute=[arg4], BindingMethod=[arg5], GroupFilter=[arg6], GroupSearchAttribute=[arg7], LoginAttribute=[arg8] from [arg9] at IP address [arg10].              | Informational |
| FQXSPSE4011I | Secure Web services (HTTPS) [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                           | Informational |
| FQXSPSE4013I | Secure LDAP [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                           | Informational |
| FQXSPSE4014I | SSH [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                                   | Informational |
| FQXSPSE4015I | Global Login General Settings set by user [arg1]: AuthenticationMethod=[arg2], LockoutPeriod=[arg3], SessionTimeout=[arg4] from [arg5] at IP address [arg6].                                                                  | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                                                                                                                                                                                      | Severity      |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPSE4016I | Global Login Account Security set by user [arg1]: ForceToChangePasswordOnFirstAccess=[arg2], ComplexPasswordRequired=[arg3], PasswordExpirationPeriod=[arg4], MinimumPasswordReuseCycle=[arg5], MinimumPasswordLength=[arg6], MinimumPasswordChangeInterval=[arg7], MaximumLoginFailures=[arg8], LockoutAfterMaxFailures=[arg9] from [arg10] at IP address [arg11]. | Informational |
| FQXSPSE4022I | User [arg1] for SNMPv3 agent set: AuthenticationProtocol=[arg2], PrivacyProtocol=[arg3], AccessType=[arg4] by user [arg5] from [arg6] at IP address [arg7].                                                                                                                                                                                                         | Informational |
| FQXSPSE4023I | SSH Client key added for user [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                                                                                                                                               | Informational |
| FQXSPSE4024I | SSH Client key imported for user [arg1] from [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                                                                                                                                                                | Informational |
| FQXSPSE4025I | SSH Client key removed from user [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                                                                                                                                            | Informational |
| FQXSPSE4028I | Security: Userid: [arg1] had [arg2] login failures from IPMI client at IP address [arg3].                                                                                                                                                                                                                                                                           | Informational |
| FQXSPSE4029I | Security: Userid: [arg1] had [arg2] login failures from SNMP client at IP address [arg3].                                                                                                                                                                                                                                                                           | Informational |
| FQXSPSE4032I | Login ID: [arg1] from [arg2] at IP address [arg3] has logged off.                                                                                                                                                                                                                                                                                                   | Informational |
| FQXSPSE4034I | User [arg1] has removed a certificate from [arg2] at IP address [arg3].                                                                                                                                                                                                                                                                                             | Informational |
| FQXSPSE4035I | A certificate has been revoked.                                                                                                                                                                                                                                                                                                                                     | Informational |
| FQXSPSE4036I | The [arg1] certificate is expired and has been removed.                                                                                                                                                                                                                                                                                                             | Informational |
| FQXSPSE4038I | Minimum TLS level modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                                                                                                                                                                   | Informational |
| FQXSPSE4039I | Temporary user account [arg1] is created by inband tool.                                                                                                                                                                                                                                                                                                            | Informational |
| FQXSPSE4040I | Temporary user account [arg1] expires.                                                                                                                                                                                                                                                                                                                              | Informational |
| FQXSPSE4042I | The third-party password function [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                                                                                                                                           | Informational |
| FQXSPSE4043I | Retrieving the third-party password [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                                                                                                                                         | Informational |
| FQXSPSE4044I | User [arg1] third-party hashed password has been [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                                                                                                                                                            | Informational |
| FQXSPSE4045I | The Salt of user [arg1] third-party password has been [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                                                                                                                                                       | Informational |
| FQXSPSE4046I | The third-party password of the user [arg1] has been retrieved by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                                                                                                                     | Informational |
| FQXSPSE4047I | Role [arg1] is [arg2] and assigned with custom privileges [arg3] by user [arg4] from [arg5] at IP address [arg6].                                                                                                                                                                                                                                                   | Informational |
| FQXSPSE4048I | Role [arg1] is removed by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                                                                                                                                                             | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                                  | Severity      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPSE4049I | Role [arg1] is assigned to user [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                         | Informational |
| FQXSPSE4050I | [arg1] sent IPMI command from [arg2], raw data: [arg3][arg4][arg5].                                                                                                                                             | Informational |
| FQXSPSE4051I | Management Controller [arg1] joined the neighbor group [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                  | Informational |
| FQXSPSE4052I | The password of neighbor group [arg1] is modified by [arg2] [arg3] from [arg4] at IP address [arg5].                                                                                                            | Informational |
| FQXSPSE4053I | Management Controller [arg1] left the neighbor group [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                    | Informational |
| FQXSPSE4054I | IPMI SEL wrapping mode is [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                               | Informational |
| FQXSPSE4055I | SED encryption is enabled by user [arg1] from [arg2] at IP address [arg3].                                                                                                                                      | Informational |
| FQXSPSE4056I | SED AK is [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                               | Informational |
| FQXSPSE4057I | User [arg1] created by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                            | Informational |
| FQXSPSE4058I | User [arg1] removed by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                            | Informational |
| FQXSPSE4059I | User [arg1] password modified by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                  | Informational |
| FQXSPSE4060I | User [arg1] role set to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                                 | Informational |
| FQXSPSE4061I | User [arg1] custom privileges set: [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                      | Informational |
| FQXSPSE4062I | The system guard snapshot is captured by user [arg1] from [arg2] at IP address [arg3].                                                                                                                          | Informational |
| FQXSPSE4063I | The system guard configuration is updated: status=[arg1], hardware inventory=[arg2] and action=[arg3] by user [arg4] from [arg5] at IP address [arg6].                                                          | Informational |
| FQXSPSE4064I | SNMPv3 engine ID is changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                              | Informational |
| FQXSPSE4065I | SFTP [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                                                                    | Informational |
| FQXSPSE4066I | Security mode is modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                | Informational |
| FQXSPSE4067I | User [arg1] accessible interfaces is set to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                             | Informational |
| FQXSPSE4068I | Security: Userid: [arg1] using [arg2] had [arg3] login failures from Redfish client at IP address [arg4].                                                                                                       | Informational |
| FQXSPSE4069I | LDAP set by user [arg1]: RootDN=[arg2], UIDSearchAttribute=[arg3], BindingMethod=[arg4], TargetName=[arg5], GroupFilter=[arg6], GroupAttribute=[arg7], LoginAttribute=[arg8] from [arg9] at IP address [arg10]. | Informational |
| FQXSPSE4074I | Security mode downgrades because the XCC3 Premier Upgrade key is expired or deleted.                                                                                                                            | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                  | Severity      |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPSE4079I | The Operator role is [arg1] to contain Remote Console Access permission by user [arg2] from [arg3] at IP address [arg4].                                                                        | Informational |
| FQXSPSE4080I | The user [arg1] attempts to clear CMOS from [arg2] at IP address [arg3].                                                                                                                        | Informational |
| FQXSPSE4081I | BMC returns the valid local cached key to UEFI for SED drives.                                                                                                                                  | Informational |
| FQXSPSE4082I | Remote key management server is inaccessible.                                                                                                                                                   | Informational |
| FQXSPSE4083I | The local cached key has expired and destroyed it.                                                                                                                                              | Informational |
| FQXSPSE4084I | Periodic connection to remote key management server succeeded.                                                                                                                                  | Informational |
| FQXSPSE4085I | Periodic connection to remote key management server failed.                                                                                                                                     | Informational |
| FQXSPSE4091I | SNMPv2 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4], Address=[arg5].                                                                                                               | Informational |
| FQXSPSE4092I | SNMPv1 Community-1 set by user [arg1]: Name=[arg2], AccessType=trap from [arg3] at IP address [arg4].                                                                                           | Informational |
| FQXSPSE4093I | SNMPv1 Community-1 set by user [arg1]: address=[arg2] from [arg3] at IP address [arg4].                                                                                                         | Informational |
| FQXSPSE4094I | SNMPv2 Community-1 set by user [arg1]: Name=[arg2], AccessType=trap from [arg3] at IP address [arg4].                                                                                           | Informational |
| FQXSPSE4095I | SNMPv2 Community-1 set by user [arg1]: address=[arg2] from [arg3] at IP address [arg4].                                                                                                         | Informational |
| FQXSPSE4096I | User [arg1] for SNMPv3 trap set: AuthenticationProtocol=[arg2], PrivacyProtocol=[arg3], HostforTraps=[arg4] by user [arg5] from [arg6] at IP address [arg7].                                    | Informational |
| FQXSPSE4097I | User [arg1] for SNMPv3 trap is deleted by user [arg2] from [arg3] at IP address [arg4].                                                                                                         | Informational |
| FQXSPSE4098I | Security: Userid: [arg1] failed to login from [arg2] at IP address [arg3].                                                                                                                      | Informational |
| FQXSPSE4129I | Security: Userid: [arg1] failed to login from SNMP client at IP address [arg2].                                                                                                                 | Informational |
| FQXSPSS4000I | Management Controller Test Alert Generated by [arg1] from [arg2] at IP address [arg3].                                                                                                          | Informational |
| FQXSPSS4001I | Server General Settings set by user [arg1]: Name=[arg2], Contact=[arg3], Location=[arg4], Room=[arg5], RackID=[arg6], Rack U-position=[arg7], Address=[arg8] from [arg9] at IP address [arg10]. | Informational |
| FQXSPSS4002I | License key for [arg1] added by user [arg2] from [arg3] at IP address [arg4].                                                                                                                   | Informational |
| FQXSPSS4003I | License key for [arg1] removed by user [arg2] from [arg3] at IP address [arg4].                                                                                                                 | Informational |
| FQXSPSS4004I | Test Call Home Generated by user [arg1] from [arg2] at IP address [arg3].                                                                                                                       | Informational |
| FQXSPSS4006I | Call Home to [arg1] failed to complete: [arg2].                                                                                                                                                 | Informational |
| FQXSPSS4007I | The BMC functionality tier is changed from [arg1] to [arg2].                                                                                                                                    | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                                          | Severity      |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPSS4008I | The UEFI setting has been changed by user [arg1] from address [arg2]. A total of [arg3] items were changed in the request.                                                                                              | Informational |
| FQXSPSS4009I | System enters LXPM maintenance mode.                                                                                                                                                                                    | Informational |
| FQXSPSS4010I | Test Audit Log generated by user [arg1] from [arg2] at IP address [arg3].                                                                                                                                               | Informational |
| FQXSPSS4011I | Fan speed boost setting is changed from [arg1] to [arg2].                                                                                                                                                               | Informational |
| FQXSPSS4012I | The [arg1] setting has been changed to [arg2] by user [arg3] from [arg4] at IP address [arg5].                                                                                                                          | Informational |
| FQXSPTR4001I | Date and Time set by user [arg1]: Date=[arg2], Time=[arg3], DST Auto-adjust=[arg4], Timezone=[arg5] from [arg6] at IP address [arg7].                                                                                   | Informational |
| FQXSPTR4002I | Synchronize time setting by user [arg1]: Mode=Sync with NTP Server, NTPServerHost1=[arg2],NTPServerHost2=[arg3],NTPServerHost3=[arg4],NTPServerHost4=[arg5],NTPUpdateFrequency=[arg6] from [arg7] at IP address [arg8]. | Informational |
| FQXSPTR4003I | Synchronize time setting by user [arg1]: Mode=Sync with server clock from [arg2] at IP address [arg3].                                                                                                                  | Informational |
| FQXSPUN0017I | The cooling liquid has stopped leaking and transitioned to normal state with sensor [DripName].                                                                                                                         | Informational |
| FQXSPUN0026I | Low Security Jumper is enabled.                                                                                                                                                                                         | Informational |
| FQXSPUN0048I | The RAID controller in PCI slot [PCILocation] in optimal status.                                                                                                                                                        | Informational |
| FQXSPUN0057I | The RAID controller in PCI slot [PCILocation] does not have a battery.                                                                                                                                                  | Informational |
| FQXSPUN0061I | System Maintenance Mode has asserted.                                                                                                                                                                                   | Informational |
| FQXSPUN0062I | SMI Timeout has asserted.                                                                                                                                                                                               | Informational |
| FQXSPUN0063I | PSU heavy load has asserted.                                                                                                                                                                                            | Informational |
| FQXSPUN2012I | BMC firmware corrupted has deasserted.                                                                                                                                                                                  | Informational |
| FQXSPUN2026I | Low Security Jumper is disabled.                                                                                                                                                                                        | Informational |
| FQXSPUN2049I | The RAID controller in PCI slot [PCILocation] is no longer in warning status.                                                                                                                                           | Informational |
| FQXSPUN2050I | The RAID controller in PCI slot [PCILocation] is no longer in critical status.                                                                                                                                          | Informational |
| FQXSPUN2057I | The RAID controller in PCI slot [PCILocation] has a battery now.                                                                                                                                                        | Informational |
| FQXSPUN2058I | The remaining life for all SSDs is above threshold [ThresholdValue].                                                                                                                                                    | Informational |
| FQXSPUN2061I | System Maintenance Mode has deasserted.                                                                                                                                                                                 | Informational |
| FQXSPUN2062I | SMI Timeout has deasserted.                                                                                                                                                                                             | Informational |
| FQXSPUN2063I | PSU heavy load has deasserted.                                                                                                                                                                                          | Informational |
| FQXSPUN2065I | UEFI firmware is automatically recovered from authentication failure.                                                                                                                                                   | Informational |
| FQXSPUN2067I | UEFI firmware is manually recovered from authentication failure.                                                                                                                                                        | Informational |
| FQXSPUN2068I | [DriveName] Mismatch has transitioned to a less severe state from critical.                                                                                                                                             | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                            | Severity      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSPUP0002I | A firmware or software change occurred on system [ComputerSystemName].                                                                                                                                    | Informational |
| FQXSPUP4006I | Auto promote primary XCC to backup is [arg1] by user [arg2] from [arg3] at IP address [arg4].                                                                                                             | Informational |
| FQXSPUP4007I | Violation access to XCC SPI flash is detected and isolated.                                                                                                                                               | Informational |
| FQXSPUP4008I | Violation access to UEFI SPI flash is detected and isolated.                                                                                                                                              | Informational |
| FQXSPUP4010I | Update [arg1] of [arg2] from [arg3] succeeded for user [arg4].                                                                                                                                            | Informational |
| FQXSPUP4011I | Update [arg1] of [arg2] from [arg3] failed for user [arg4].                                                                                                                                               | Informational |
| FQXSPWD0000I | Watchdog Timer expired for [WatchdogName].                                                                                                                                                                | Informational |
| FQXSPWD0001I | Reboot of system [ComputerSystemName] initiated by watchdog [WatchdogName].                                                                                                                               | Informational |
| FQXSPWD0002I | Powering off system [ComputerSystemName] initiated by watchdog [WatchdogName].                                                                                                                            | Informational |
| FQXSPWD0003I | Power cycle of system [ComputerSystemName] initiated by watchdog [WatchdogName].                                                                                                                          | Informational |
| FQXSPWD0004I | Watchdog Timer interrupt occurred for [WatchdogName].                                                                                                                                                     | Informational |
| FQXSPCA0000J | Fan [NumericSensorName] going low (lower non-critical) has asserted.                                                                                                                                      | Warning       |
| FQXSPCA0007J | Ambient temperature going high (upper non-critical) has asserted.                                                                                                                                         | Warning       |
| FQXSPCA0046J | DIMM [DIMMId] temperature going high (upper non-critical) has asserted.                                                                                                                                   | Warning       |
| FQXSPCA0049J | Pump tach [pumpFanIndex] going high (upper non-critical) has asserted.                                                                                                                                    | Warning       |
| FQXSPCP0001G | Device [DeviceName] mismatch with the system.                                                                                                                                                             | Warning       |
| FQXSPEA0003J | Link down is detected on port [PCIPortNumber] of the PCIe device [PCIDeviceName].                                                                                                                         | Warning       |
| FQXSPEM4043I | A [arg1] failure has been detected and need [arg2] to recover.                                                                                                                                            | Warning       |
| FQXSPIO0014J | Bus [BusName] is operating in a degraded state.                                                                                                                                                           | Warning       |
| FQXSPIO0035G | [DeviceName] is installed in wrong location.                                                                                                                                                              | Warning       |
| FQXSPIO0036G | Signal cable and power cable are misconnected for [DeviceName]. Should connect signal cable [RiserOrBPConnectorName1] to [MCIOorMXIOConnectName1], [RiserOrBPConnectorName2] to [MCIOorMXIOConnectName2]. | Warning       |
| FQXSPIO0037G | Signal cable and power cable are misconnected for [DeviceName]. Should connect signal cable [MCIOorMXIOConnectName].                                                                                      | Warning       |
| FQXSPIO0038G | Signal cable of [DeviceName] is not connected, Should connect to [MCIOorMXIOConnectName].                                                                                                                 | Warning       |
| FQXSPIO0039G | Signal cable of [DeviceName] is misconnected to [WrongConnectorName]. Should connect to [MCIOorMXIOConnectName].                                                                                          | Warning       |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                  | Severity |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| FQXSPIO0040G | Signal cable [SignalCableName] of [DeviceName] is not connected. Should connect to [MCIOorMXIOConnectName].                                     | Warning  |
| FQXSPIO0041G | Signal cable [SignalCableName] of [DeviceName] is misconnected to [WrongMCIOorMXIOConnectName]. Should connect to [RightMCIOorMXIOConnectName]. | Warning  |
| FQXSPIO2000J | The connector [PhysicalConnectorName] has been disconnected.                                                                                    | Warning  |
| FQXSPMA0010J | DIMM [DIMMId] on system [MemoryName] is throttled.                                                                                              | Warning  |
| FQXSPMA0039G | DIMM [DIMMID] is disabled.                                                                                                                      | Warning  |
| FQXSPNM4010I | DHCP[[arg1]] failure, no IP address assigned.                                                                                                   | Warning  |
| FQXSPPP4009I | The measured power value exceeded the power cap value.                                                                                          | Warning  |
| FQXSPPU0002G | Processor [ProcessorId] is operating in a Degraded State.                                                                                       | Warning  |
| FQXSPPU0010G | Processor [ProcessorId] is operating in a Degraded State due to [ElementSource].                                                                | Warning  |
| FQXSPPU0015G | CPU feature mismatch is detected.                                                                                                               | Warning  |
| FQXSPPW0003G | Failure predicted on power supply [PowerSupplyId].                                                                                              | Warning  |
| FQXSPPW0006I | Power supply [PowerSupplyId] has lost input.                                                                                                    | Warning  |
| FQXSPPW0007I | Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]) has lost input.                                           | Warning  |
| FQXSPPW0031J | CMOS battery voltage going low (lower non-critical) has asserted.                                                                               | Warning  |
| FQXSPPW0057J | PSU [SensorName] prediction fault failure has transitioned from normal to non-critical state.                                                   | Warning  |
| FQXSPPW0101J | Redundancy Degraded for Power Resource has asserted.                                                                                            | Warning  |
| FQXSPPW0104J | Non-redundant:Sufficient Resources from Redundancy Degraded or Fully Redundant for Power Resource has asserted.                                 | Warning  |
| FQXSPSD0002G | Failure Predicted on [DriveName].                                                                                                               | Warning  |
| FQXSPSD0003G | Failure Predicted on drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]).                                            | Warning  |
| FQXSPSE0000F | The Chassis [ComputerSystemName] was opened.                                                                                                    | Warning  |
| FQXSPSE0010J | System Guard detected inventory mismatch with trusted snapshot.                                                                                 | Warning  |
| FQXSPSE4006I | XCC detected an invalid SSL certificate in the Management Controller [arg1].                                                                    | Warning  |
| FQXSPSS0012G | [System] cannot detect [DeviceName].                                                                                                            | Warning  |
| FQXSPUN0009G | BMC firmware corruption is detected.                                                                                                            | Warning  |
| FQXSPUN0049J | The RAID controller in PCIe slot [PCILocation] is in warning status. At least one physical drive is in unconfigured bad state.                  | Warning  |
| FQXSPUN0051J | The RAID controller in PCIe slot [PCILocation] has asserted a warning. Foreign configuration is detected.                                       | Warning  |
| FQXSPUN0058J | The remaining life of [DriveName] is lower than the warning threshold ([ThresholdValue]).                                                       | Warning  |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                          | Severity |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|
| FQXSPUN0059J | RoT attestation has detected a failure.                                                                                                 | Warning  |
| FQXSPUN0060G | RoT mismatch has asserted.                                                                                                              | Warning  |
| FQXSPUN0065J | UEFI firmware authentication failure is detected.                                                                                       | Warning  |
| FQXSPUP0007L | BMC primary firmware is corrupted, auto fail over to backup.                                                                            | Warning  |
| FQXSPBR4003I | OS Watchdog Timer expired for [arg1].                                                                                                   | Error    |
| FQXSPBR4007I | Management Controller [arg1]: Configuration restoration from a file by user [arg2] failed to complete from [arg3] at IP address [arg4]. | Error    |
| FQXSPBR4008I | Management Controller [arg1]: Configuration restoration from a file by user [arg2] failed to start from [arg3] at IP address [arg4].    | Error    |
| FQXSPCA0002M | Fan [NumericSensorName] going low (lower critical) has asserted.                                                                        | Error    |
| FQXSPCA0009M | Ambient temperature going high (upper critical) has asserted.                                                                           | Error    |
| FQXSPCA0011N | Ambient temperature going high (upper non-recoverable) has asserted.                                                                    | Error    |
| FQXSPCA0016M | Fan Mismatch has transitioned to critical from a less severe state.                                                                     | Error    |
| FQXSPCA0017M | PCIe [SensorName] overtemperature has transitioned to critical from a less severe state.                                                | Error    |
| FQXSPCA0019N | PCIe [SensorName] overtemperature has transitioned to non-recoverable from a less severe state.                                         | Error    |
| FQXSPCA0040N | Liquid is leaking from open loop [CoolingSensorName].                                                                                   | Error    |
| FQXSPCA0041N | Liquid is leaking from closed loop [CoolingSensorName].                                                                                 | Error    |
| FQXSPCA0042M | Liquid leak detector for [DeviceType] is faulty.                                                                                        | Error    |
| FQXSPCA0047M | DIMM [DIMMId] temperature going high (upper critical) has asserted.                                                                     | Error    |
| FQXSPCA0048M | DIMM [DIMMId] temperature going high (upper non-recoverable) has asserted.                                                              | Error    |
| FQXSPCA0050M | Pump tach [pumpFanIndex] going high (upper critical) has asserted.                                                                      | Error    |
| FQXSPCA0051N | Pump tach [pumpFanIndex] going high (upper non-recoverable) has asserted.                                                               | Error    |
| FQXSPCA0052M | Pump tach [pumpFanIndex] going low (lower critical) has asserted.                                                                       | Error    |
| FQXSPFW0001N | Firmware BIOS (ROM) corruption was detected on system [ComputerSystemName] during POST.                                                 | Error    |
| FQXSPIO0004L | A bus timeout has occurred on bus [BusName].                                                                                            | Error    |
| FQXSPIO0006N | A software NMI has occurred on system [ComputerSystemName].                                                                             | Error    |
| FQXSPIO0011N | An Uncorrectable Error has occurred on PCIs.                                                                                            | Error    |
| FQXSPIO0013N | A Fatal Bus Error has occurred on bus [BusName].                                                                                        | Error    |
| FQXSPIO0024M | [BackplaneName] has invalid cabling configuration.                                                                                      | Error    |
| FQXSPMA0012M | An Over-Temperature Condition has been detected on the DIMM [DIMMId] on system [MemoryName].                                            | Error    |
| FQXSPMA0130N | Memory PMIC [MemoryPMICGroup] has transitioned to non-recoverable.                                                                      | Error    |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                               | Severity |
|--------------|--------------------------------------------------------------------------------------------------------------|----------|
| FQXSPOS4002I | Watchdog [arg1] Failed to Capture Screen.                                                                    | Error    |
| FQXSPOS4003I | Platform Watchdog Timer expired for [arg1].                                                                  | Error    |
| FQXSPOS4010I | OS Crash Video Capture Failed.                                                                               | Error    |
| FQXSPPU0001N | An Over-Temperature Condition has been detected on Processor [ProcessorId].                                  | Error    |
| FQXSPPU0007N | CPU voltage mismatch detected on [ProcessorName].                                                            | Error    |
| FQXSPPU0009N | Processor [ProcessorId] has a Configuration Mismatch.                                                        | Error    |
| FQXSPPU0016N | An Uncorrectable Error has occurred on CPUs.                                                                 | Error    |
| FQXSPPU0017N | A hard fault has occurred on processor [ProcessorId].                                                        | Error    |
| FQXSPPW0002L | Power supply [PowerSupplyId] has Failed.                                                                     | Error    |
| FQXSPPW0003L | Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber])has failed.             | Error    |
| FQXSPPW0007L | Power supply [PowerSupplyId] has a Configuration Mismatch.                                                   | Error    |
| FQXSPPW0061M | PSU [SensorName] failure has transitioned to critical from a less severe state.                              | Error    |
| FQXSPPW0062M | PSU mismatch has transitioned to critical from a less severe state.                                          | Error    |
| FQXSPPW0110M | Non-redundant:Insufficient Resources for Power Resource has asserted.                                        | Error    |
| FQXSPPW0123M | PSU [SensorName] input failure has transitioned to critical from a less severe state.                        | Error    |
| FQXSPPW0129N | CPU [ProcessorId] [VRName] has transitioned to non-recoverable.                                              | Error    |
| FQXSPPW0131N | Peripheral device [DeviceName] powergood has transitioned to non-recoverable.                                | Error    |
| FQXSPPW0132N | Fan [FanGroup] powergood has transitioned to non-recoverable.                                                | Error    |
| FQXSPPW0133N | MB AUX powergood has transitioned to non-recoverable.                                                        | Error    |
| FQXSPPW0134M | CMOS battery voltage going low (lower critical) has asserted.                                                | Error    |
| FQXSPPW0135J | Invalid redundancy config, current PSU config doesn't support Non-redundant mode.                            | Error    |
| FQXSPSD0001L | The [DriveName] has a fault.                                                                                 | Error    |
| FQXSPSD0002L | Drive [DriveLocation] in the enclosure/chassis(MTM-SN: [MachineSerialNumber]) has a fault.                   | Error    |
| FQXSPSE4000I | Certificate Authority [arg1] has detected a Certificate Error.                                               | Error    |
| FQXSPUN0050M | The RAID controller in PCIe slot [PCILocation] is in critical state. Volume [VolumeID] is offline.           | Error    |
| FQXSPUN0053M | The RAID controller in PCIe slot [PCILocation] is in critical status. At least one physical drive is failed. | Error    |
| FQXSPUN0054M | The RAID controller in PCIe slot [PCILocation] is in critical status. Volume [VolumeID] is degraded.         | Error    |

Table 2. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                      | Severity |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| FQXSPUN0055M | The RAID controller in PCIe slot [PCILocation] is in critical state. Battery is in non-optimal state.                                               | Error    |
| FQXSPUN0067M | Failed to automatically recover UEFI firmware from authentication failure.                                                                          | Error    |
| FQXSPUN0068M | [DriveName] Mismatch has transitioned to critical from a less severe state.                                                                         | Error    |
| FQXSPUN0069M | The remaining life of [DriveName] is lower than the critical threshold ([ThresholdValue]).                                                          | Error    |
| FQXSPUP4003I | [arg1] firmware mismatch internal to system [arg2]. Please attempt to flash the [arg3] firmware.                                                    | Error    |
| FQXSPUP4009I | Please ensure that the system is flashed with the correct [arg1] firmware. The Management Controller is unable to match the firmware to the server. | Error    |

## List of XClarity Controller events

This section lists all messages that can be sent from the XClarity Controller.

- **FQXSPBR4000I: Management Controller [arg1]: Configuration restored from a file by user [arg2] from [arg3] at IP address [arg4].**

This message is for the use case where a user restores a management controller configuration from a file.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0027

User Action:

Information only; no action is required.

- **FQXSPBR4002I: Management Controller [arg1] Reset was caused by restoring default values.**

This message is for the use case where a management controller has been reset due to a user restoring the configuration to default values.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0032

User Action:

Information only; no action is required.

- **FQXSPBR4003I: OS Watchdog Timer expired for [arg1].**

This message is for the use case when an implementation has detected OS watchdog timer expired

Severity: Error  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - OS Timeout  
SNMP Trap ID: 21  
CIM Prefix: IMM CIM ID: 0039

User Action:

Complete the following steps until the problem is solved:

1. Reconfigure the watchdog timer to a higher value.
  2. Make sure that the BMC Ethernet-over-USB interface is enabled.
  3. Reinstall the RNDIS or cdc\_ether device driver for the operating system.
  4. Disable the watchdog.
  5. Check the integrity of the installed operating system.
  6. If the problem persists, collect service data log.
  7. Contact Lenovo Support.
- **FQXSPBR4004I: Server timeouts set by user [arg1]: EnableOSWatchdog=[arg2], OSWatchdogTimeout=[arg3], EnableLoaderWatchdog=[arg4], LoaderTimeout=[arg5] from [arg6] at IP address [arg7].**

A user configures server timeouts.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0095

User Action:

Information only; no action is required.

- **FQXSPBR4005I: Management Controller [arg1]: Configuration saved to a file by user [arg2] from [arg3] at IP address [arg4].**

A user saves a management controller configuration to a file.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0109

User Action:

Information only; no action is required.

- **FQXSPBR4006I: Management Controller [arg1]: Configuration restoration from a file by user [arg2] completed from [arg3] at IP address [arg4].**

This message is for the use case where a user restores a management controller configuration from a file and it completes.

Severity: Info  
Serviceable: No

Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0136

User Action:

Information only; no action is required.

- **FQXSPBR4007I: Management Controller [arg1]: Configuration restoration from a file by user [arg2] failed to complete from [arg3] at IP address [arg4].**

This message is for the use case where a user restores a management controller configuration from a file and the restoration fails to complete.

Severity: Error  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0137

User Action:

Complete the following steps until the problem is solved:

1. Turn off the server and disconnect it from the power source. You must disconnect the server from AC power to reset the BMC.
2. After 45 seconds, reconnect the server to the power source and turn on the server.
3. Retry the operation.
4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

- **FQXSPBR4008I: Management Controller [arg1]: Configuration restoration from a file by user [arg2] failed to start from [arg3] at IP address [arg4].**

This message is for the use case where a user restores a management controller configuration from a file and the restoration fails to start.

Severity: Error  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0138

User Action:

Complete the following steps until the problem is solved:

1. Turn off the server and disconnect it from the power source. You must disconnect the server from AC power to reset the BMC.
2. After 45 seconds, reconnect the server to the power source and turn on the server.
3. Retry the operation.
4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

- **FQXSPBR4009I: Management Controller [arg1]: cloning configuration from neighbor server [arg2] by group name [arg3].**

This message is for the use case where a user synchronizes a management controller configuration by Federation.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0255

User Action:

Information only; no action is required.

- **FQXSPBR400AI: Management Controller [arg1]: cloning configuration from neighbor server [arg2] by group name [arg3] completed.**

This message is for the use case where a user synchronizes a management controller configuration by Federation and it completes.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0256

User Action:

Information only; no action is required.

- **FQXSPBR400BI: Management Controller [arg1]: cloning configuration from neighbor server [arg2] by group name [arg3] failed to complete.**

This message is for the use case where a user synchronizes a management controller configuration by Federation and the restoration fails to complete.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0257

User Action:

Information only; no action is required.

- **FQXSPBR400CI: Management Controller [arg1]: cloning configuration from neighbor server [arg2] by group name [arg3] failed to start.**

This message is for the use case where a user synchronizes a management controller configuration by Federation and the restoration fails to start.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22

CIM Prefix: IMM CIM ID: 0258

User Action:

Information only; no action is required.

- **FQXSPBR400DI: Neighbor group clone configuration was initiated by user [arg1] from [arg2] at IP address [arg3].**

This message is for the user initiated a Federation clone configuration.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0259

User Action:

Information only; no action is required.

- **FQXSPBR400EI: Neighbor group firmware update was initiated by user [arg1] from [arg2] at IP address [arg3].**

This message is for the user started a Federation update.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0260

User Action:

Information only; no action is required.

- **FQXSPBR400FI: The neighbor group management is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

Neighbor group management is enabled or disabled by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0272

User Action:

Information only; no action is required.

- **FQXSPCA0000J: Fan [NumericSensorName] going low (lower non-critical) has asserted.**

This message is for the use case when an implementation has detected a lower non-critical sensor going low has asserted.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Fan

SNMP Trap ID: 165  
CIM Prefix: PLAT CIM ID: 0476

User Action:

Complete the following steps until the problem is solved:

1. Open the battery clip and carefully take the CMOS battery out of the socket. Wait for 20 seconds, and install this battery back to the socket.
2. Replace the system CMOS battery with a new one that meets Lenovo's specifications.
3. If the problem persists, collect service data logs.
4. Contact Lenovo Support.
5. Note: The RTC / UEFI settings may be cleared if the CMOS battery is removed.

- **FQXSPCA0002M: Fan [NumericSensorName] going low (lower critical) has asserted.**

This message is for the use case when an implementation has detected a lower critical sensor going low has asserted.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: Yes  
Alert Category: Critical - Fan Failure  
SNMP Trap ID: 11  
CIM Prefix: PLAT CIM ID: 0480

User Action:

Complete the following steps until the problem is solved:

1. Reseat the failed fan reported.
2. Install the fan into another known good fan slot to see if the issue is resolved.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPCA0007J: Ambient temperature going high (upper non-critical) has asserted.**

This message is for the use case when an implementation has detected an upper non-critical sensor going high has asserted.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Temperature  
SNMP Trap ID: 12  
CIM Prefix: PLAT CIM ID: 0490

User Action:

Complete the following steps until the problem is solved:

1. Check the XCC event log for any fan or cooling related issues and address them first.
2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed in place and keep clean.
3. Make sure that the room temperature meets operating specifications.
4. Upgrade all system firmware and chassis firmware (if applicable) to the latest level.
5. If the problem persists, collect service data log.

6. Contact Lenovo Support.

- **FQXSPCA0009M: Ambient temperature going high (upper critical) has asserted.**

This message is for the use case when an implementation has detected an upper critical sensor going high has asserted.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0494

User Action:

Complete the following steps until the problem is solved:

1. Make sure that the data center Temperature environment is within 47°C degree.
2. Make sure that there is no hot air in front of the affected system.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPCA0011N: Ambient temperature going high (upper non-recoverable) has asserted.**

This message is for the use case when an implementation has detected an upper non-recoverable sensor going high has asserted.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0498

User Action:

Complete the following steps until the problem is solved:

1. Make sure that the data center Temperature environment is within 50°C degree.
2. Make sure that there is no hot air in front of the affected system.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPCA0012I: Fan mismatch is recovered.**

This message is for the use case when an implementation has detected that a sensor transitioned to the normal state.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Fan  
SNMP Trap ID: 165  
CIM Prefix: PLAT CIM ID: 0518

User Action:

Information only; no action is required.

- **FQXSPCA0013I: PCIe [SensorName] overtemperature has transitioned to normal state.**

This message is for the use case when an implementation has detected that a sensor transitioned to the normal state.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Temperature  
SNMP Trap ID: 12  
CIM Prefix: PLAT CIM ID: 0518

User Action:

Information only; no action is required.

- **FQXSPCA0016M: Fan Mismatch has transitioned to critical from a less severe state.**

This message is for the use case when an implementation has detected that a sensor transitioned to critical from less severe.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: Yes  
Alert Category: Critical - Fan Failure  
SNMP Trap ID: 11  
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

1. Make sure the type of fans installed meet the thermal requirements of the system configuration. Refer to "Thermal rules" in User Guide to select the correct type of system fans.
2. Reboot the XCC for fan detection.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPCA0017M: PCIe [SensorName] overtemperature has transitioned to critical from a less severe state.**

This message is for the use case when an implementation has detected that a sensor transitioned to critical from less severe.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

1. Check the XCC event log for any fan or cooling related issues and address them first.
2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed and are in place.
3. Make sure that the room temperature is within operating specifications.
4. Upgrade all system and chassis (if applicable) firmware to the latest level.

5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

- **FQXSPCA0019N: PCIe [SensorName] overtemperature has transitioned to non-recoverable from a less severe state.**

This message is for the use case when an implementation has detected that a sensor transitioned to non-recoverable from less severe.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0524

User Action:

Complete the following steps until the problem is solved:

1. Check the XCC event log for any fan or cooling related issues and address them first.
2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed and are in place.
3. Make sure that the room temperature is within operating specifications.
4. Upgrade all system and chassis (if applicable) firmware to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.

5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

- **FQXSPCA0040N: Liquid is leaking from open loop [CoolingSensorName].**

This message is for the use case when an implementation has detected that cooling liquid has been leaking.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0866

User Action:

Complete the following steps until the problem is solved:

1. Reboot XCC or do AC cycle.
2. If the problem persists, collect service data logs.
3. Contact Lenovo Support.

- **FQXSPCA0041N: Liquid is leaking from closed loop [CoolingSensorName].**

This message is for the use case when an implementation has detected that cooling liquid has been leaking.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No

Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0867

User Action:

Complete the following steps until the problem is solved:

1. Check whether there is any coolant leakage found on the system board assembly.
2. If yes, turn off the power, remove the AC power cable and contact Lenovo Support for part replacement.
3. If not, please reboot XCC or do AC cycle
4. If the problem persists, collect service data logs.
5. Contact Lenovo Support.

- **FQXSPCA0042M: Liquid leak detector for [DeviceType] is faulty.**

This message is for the use case when an implementation has detected that liquid leak detector fault has occurred.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0868

User Action:

Complete the following steps until the problem is solved:

1. Check if there is a de-assert event (FQXSPCA2042I) triggered.
2. If yes, please ignore this event.
3. If the problem persists, collect service data logs.
4. Contact Lenovo Support.

- **FQXSPCA0046J: DIMM [DIMMId] temperature going high (upper non-critical) has asserted.**

This message is for the use case when an implementation has detected an Upper Non-critical sensor going high has asserted.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Temperature  
SNMP Trap ID: 12  
CIM Prefix: PLAT CIM ID: 0877

User Action:

Complete the following steps until the problem is solved:

1. Check the XCC event log for any fan or cooling related issues and address them first.
2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed and are in place.
3. Make sure that the room temperature is within operating specifications.
4. Upgrade all system and chassis (if applicable) firmware to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.

5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

- **FQXSPCA0047M: DIMM [DIMMId] temperature going high (upper critical) has asserted.**

This message is for the use case when an implementation has detected an Upper critical sensor going high has asserted.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0879

User Action:

Complete the following steps until the problem is solved:

1. Check the XCC event log for any fan or cooling related issues and address them first.
2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed and are in place.
3. Make sure that the room temperature is within operating specifications.
4. Upgrade all system and chassis (if applicable) firmware to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.

5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

- **FQXSPCA0048M: DIMM [DIMMId] temperature going high (upper non-recoverable) has asserted.**

This message is for the use case when an implementation has detected an Upper non-recoverable sensor going high has asserted.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0881

User Action:

Complete the following steps until the problem is solved:

1. Check the XCC event log for any fan or cooling related issues and address them first.
2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed and are in place.
3. Make sure that the room temperature is within operating specifications.
4. Upgrade all system and chassis (if applicable) firmware to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.

5. If the problem persists, collect service data log.

6. Contact Lenovo Support.

- **FQXSPCA0049J: Pump tach [pumpFanIndex] going high (upper non-critical) has asserted.**

This message is for the use case when an implementation has detected pump device when tach is higher than non-critical threshold.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Fan  
SNMP Trap ID: 165  
CIM Prefix: PLAT CIM ID: 0883

User Action:

Complete the following steps until the problem is solved:

1. Reseat the pump.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPCA0050M: Pump tach [pumpFanIndex] going high (upper critical) has asserted.**

This message is for the use case when an implementation has detected pump device when tach is higher than upper critical threshold.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Fan Failure  
SNMP Trap ID: 11  
CIM Prefix: PLAT CIM ID: 0885

User Action:

Complete the following steps until the problem is solved:

1. Reseat the pump.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPCA0051N: Pump tach [pumpFanIndex] going high (upper non-recoverable) has asserted.**

This message is for the use case when an implementation has detected pump device when tach is higher than non-recoverable threshold.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Fan Failure  
SNMP Trap ID: 11  
CIM Prefix: PLAT CIM ID: 0887

User Action:

Complete the following steps until the problem is solved:

1. Reseat the pump.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPCA0052M: Pump tach [pumpFanIndex] going low (lower critical) has asserted.**

This message is for the use case when an implementation has detected pump device when tach is lower than critical threshold.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Fan Failure  
SNMP Trap ID: 11  
CIM Prefix: PLAT CIM ID: 0889

User Action:

Complete the following steps until the problem is solved:

1. Reseat the pump.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPCA2000I: Fan [NumericSensorName] going low (lower non-critical) has deasserted.**

This message is for the use case when an implementation has detected a lower non-critical sensor going low has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Fan  
SNMP Trap ID: 165  
CIM Prefix: PLAT CIM ID: 0477

User Action:

Information only; no action is required.

- **FQXSPCA2002I: Fan [NumericSensorName] going low (lower critical) has deasserted.**

This message is for the use case when an implementation has detected a lower critical sensor going low has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Fan Failure  
SNMP Trap ID: 11  
CIM Prefix: PLAT CIM ID: 0481

User Action:

Information only; no action is required.

- **FQXSPCA2007I: Ambient temperature going high (upper non-critical) has deasserted.**

This message is for the use case when an implementation has detected an upper non-critical sensor going high has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Temperature  
SNMP Trap ID: 12

CIM Prefix: PLAT CIM ID: 0491

User Action:

Information only; no action is required.

- **FQXSPCA2009I: Ambient temperature going high (upper critical) has deasserted.**

This message is for the use case when an implementation has detected an upper critical sensor going high has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0495

User Action:

Information only; no action is required.

- **FQXSPCA2011I: Ambient temperature going high (upper non-recoverable) has deasserted.**

This message is for the use case when an implementation has detected an upper non-recoverable sensor going high has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0499

User Action:

Information only; no action is required.

- **FQXSPCA2016I: Fan Mismatch has transitioned to a less severe state from critical.**

This message is for the use case when an implementation has detected that a sensor transitioned to less severe from critical.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Fan Failure  
SNMP Trap ID: 11  
CIM Prefix: PLAT CIM ID: 0523

User Action:

Information only; no action is required.

- **FQXSPCA2017I: PCIe [SensorName] overtemperature has transitioned to a less severe state from critical.**

This message is for the use case when an implementation has detected that a sensor transitioned to less severe from critical.

Severity: Info  
Serviceable: No  
Automatically notify Support: No

Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0523

User Action:

Information only; no action is required.

- **FQXSPCA2019I: PCIe [SensorName] overtemperature has deasserted the transition to non-recoverable from a less severe state.**

This message is for the use case when an implementation has detected that the sensor transitioned to non-recoverable from less severe has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0525

User Action:

Information only; no action is required.

- **FQXSPCA2042I: Liquid leak detector for [DeviceType] is recovered.**

This message is for the use case when an implementation has detected that liquid leak detector fault has recovered.

Severity: Info  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0869

User Action:

Information only; no action is required.

- **FQXSPCA2046I: DIMM [DIMMId] temperature going high (upper non-critical) has deasserted.**

This message is for the use case when an implementation has detected an Upper Non-critical sensor going high has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Temperature  
SNMP Trap ID: 12  
CIM Prefix: PLAT CIM ID: 0878

User Action:

Information only; no action is required.

- **FQXSPCA2047I: DIMM [DIMMId] temperature going high (upper critical) has deasserted.**

This message is for the use case when an implementation has detected an Upper critical sensor going high has deasserted.

Severity: Info

Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0880

User Action:

Information only; no action is required.

- **FQXSPCA2048I: DIMM [DIMMId] temperature going high (upper non-recoverable) has deasserted.**

This message is for the use case when an implementation has detected an Upper non-recoverable sensor going high has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0882

User Action:

Information only; no action is required.

- **FQXSPCA2049I: Pump tach [pumpFanIndex] going high (upper non-critical) has deasserted.**

This message is for the use case when an implementation has detected pump device when tach is lower than non-critical threshold.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Fan  
SNMP Trap ID: 165  
CIM Prefix: PLAT CIM ID: 0884

User Action:

Information only; no action is required.

- **FQXSPCA2050I: Pump tach [pumpFanIndex] going high (upper critical) has deasserted.**

This message is for the use case when an implementation has detected pump device when tach is lower than upper critical threshold.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Fan Failure  
SNMP Trap ID: 11  
CIM Prefix: PLAT CIM ID: 0886

User Action:

Information only; no action is required.

- **FQXSPCA2051I: Pump tach [pumpFanIndex] going high (upper non-recoverable) has deasserted.**

This message is for the use case when an implementation has detected pump device when tach is lower than non-recoverable threshold.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Fan Failure  
SNMP Trap ID: 11  
CIM Prefix: PLAT CIM ID: 0888

User Action:

Information only; no action is required.

- **FQXSPCA2052I: Pump tach [pumpFanIndex] going low (lower critical) has deasserted.**

This message is for the use case when an implementation has detected pump device when tach is higher than non-recoverable threshold.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Fan Failure  
SNMP Trap ID: 11  
CIM Prefix: PLAT CIM ID: 0890

User Action:

Information only; no action is required.

- **FQXSPCN4000I: Serial Redirection set by user [arg1]: Mode=[arg2], BaudRate=[arg3], StopBits=[arg4], Parity=[arg5], SessionTerminateSequence=[arg6] from [arg7] at IP address [arg8].**

A user configured the serial port mode.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0078

User Action:

Information only; no action is required.

- **FQXSPCN4002I: User [arg1] has terminated an active CLI console session from [arg2] at IP address [arg3].**

A user has terminated an active CLI console session.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0145

User Action:

Information only; no action is required.

- **FQXSPCN4004I: User [arg1] has created an active [arg2] console session from [arg3] at IP address [arg4].**

A user has created an IPMI/CLI console session.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0317

User Action:

Information only; no action is required.

- **FQXSPCN4005I: A [arg1] console session is timeout.**

An IPMI/CLI console session is timeout.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0318

User Action:

Information only; no action is required.

- **FQXSPCN4006I: User [arg1] has terminated an active IPMI console session from [arg2] at IP address [arg3].**

A user has terminated an active IPMI console session.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0319

User Action:

Information only; no action is required.

- **FQXSPCP0001G: Device [DeviceName] mismatch with the system.**

This message is for the use case when an implementation has detected that a device mismatch with the system.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0862

User Action:

Complete the following steps until the problem is solved:

1. Power off the server, disconnect the AC power cable and reconnect affected adapter and riser card.
2. If the problem persists, upgrade XCC, FPGA, and UEFI to the latest versions.
3. If the problem persists, collect service data logs.

4. Contact Lenovo Support.

- **FQXSPDM4000I: Inventory data changed for device [arg1], new device data hash=[arg2], new master data hash=[arg3].**

Something has caused the physical inventory to change.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0072

User Action:

Information only; no action is required.

- **FQXSPDM4003I: TKLM servers set by user [arg1]: TKLMServer1=[arg2] Port=[arg3], TKLMServer2=[arg4] Port=[arg5], TKLMServer3=[arg6] Port=[arg7], TKLMServer4=[arg8] Port=[arg9] from [arg10] at IP address [arg11].**

A user configured the TKLM servers.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0146

User Action:

Information only; no action is required.

- **FQXSPDM4004I: TKLM servers device group set by user [arg1]: TKLMServerDeviceGroup=[arg2] from [arg3] at IP address [arg4].**

A user configured the TKLM device group.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0147

User Action:

Information only; no action is required.

- **FQXSPDM4005I: User [arg1] has generated a new encryption key pair and installed a self-signed certificate for the TKLM client from [arg2] at IP address [arg3].**

A user generated a new encryption key pair and installed a self-signed certificate for the TKLM client.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0148

User Action:

Information only; no action is required.

- **FQXSPDM4006I: User [arg1] has generated a new encryption key and certificate signing request for the TKLM client from [arg2] at IP address [arg3].**

A user generated a new encryption key and certificate signing request for the TKLM client.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0149

User Action:

Information only; no action is required.

- **FQXSPDM4007I: User [arg1] has imported a signed certificate for the TKLM client from [arg2] from [arg3] at IP address [arg4].**

A user imported a signed certificate for the TKLM client.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0150

User Action:

Information only; no action is required.

- **FQXSPDM4008I: User [arg1] has imported a server certificate for the TKLM server from [arg2] at IP address [arg3].**

A user imported a server certificate for the TKLM server.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0151

User Action:

Information only; no action is required.

- **FQXSPDM4009I: User [arg1] has [arg2] file [arg3] from [arg4] at IP address [arg5].**

A user has mounted/unmounted file from a URL or server.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0162

User Action:

Information only; no action is required.

- **FQXSPDM4011I: EKMS server protocol set by user [arg1]: TKLMServerProtocol=[arg2] from [arg3] at IP address [arg4].**

A user configured the EKMS server protocol.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0293

User Action:

Information only; no action is required.

- **FQXSPDM4012I: User [arg1] has changed the polling configuration for the key management server: Polling enabled=[arg2], interval=[arg3].**

A user changed the polling configuration for the key management server.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0334

User Action:

Information only; no action is required.

- **FQXSPDM4013I: User [arg1] has changed the caching configuration for the key management server: Caching enabled=[arg2], timeout=[arg3].**

A user changed the caching configuration for the key management server.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0335

User Action:

Information only; no action is required.

- **FQXSPEA0003J: Link down is detected on port [PCIPortNumber] of the PCIe device [PCIDeviceName].**

This message is for the use case when an implementation has detected a link down of a PCIe device.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0520

User Action:

1. Information only; no action is required.
2. Note: This event will be set to Warning Severity for the LAN on Motherboard (LOM) interface and Informational Severity for all other Network Adapters present where link status can be monitored.

- **FQXSPEA2003I: Link up is detected on port [[1]] of the PCIe device [[2]] in slot [[3]].**

This message is for the use case when an implementation has detected that a link up of a PCIe device.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0521

User Action:

Information only; no action is required.

- **FQXSPEM4000I: The [arg1] on system [arg2] cleared by user [arg3] from [arg4] at IP address [arg5].**

This message is for the use case where a management controller event log on a system is cleared by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0020

User Action:

Information only; no action is required.

- **FQXSPEM4003I: LED [arg1] state changed to [arg2] by [arg3] from [arg4] at IP address [arg5].**

A user has modified the state of an LED.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0071

User Action:

Information only; no action is required.

- **FQXSPEM4004I: SNMP [arg1] enabled by user [arg2] from [arg3] at IP address [arg4].**

A user enabled SNMPv1 or SNMPv3 or Traps.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22

CIM Prefix: IMM CIM ID: 0073

User Action:

Information only; no action is required.

- **FQXSPeM4005I: SNMP [arg1] disabled by user [arg2] from [arg3] at IP address [arg4].**

A user disabled SNMPv1 or SNMPv3 or Traps.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0074

User Action:

Information only; no action is required.

- **FQXSPeM4006I: Alert Configuration Global Event Notification set by user [arg1]: RetryLimit=[arg2], RetryInterval=[arg3], EntryInterval=[arg4] from [arg5] at IP address [arg6].**

A user changes the global event notification settings.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0110

User Action:

Information only; no action is required.

- **FQXSPeM4007I: Alert Recipient Number [arg1] by syslog is updated: Name=[arg2], DeliveryMethod=[arg3], Address=[arg4], IncludeLog=[arg5], Enabled=[arg6], EnabledAlerts=-crt<[arg7]> -wrn<[arg8]> -sys<[arg9]> by user [arg10] from [arg11] at IP address [arg12].**

A user adds or updates a syslog alert recipient.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0111

User Action:

Information only; no action is required.

- **FQXSPeM4008I: SNMP Traps enabled by user [arg1]: EnabledAlerts=-crt<[arg2]> -wrn<[arg3]> -sys<[arg4]> from [arg5] at IP address [arg6].**

A user enabled the SNMP Traps configuration.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other

SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0112

User Action:

Information only; no action is required.

- **FQXSPeM4009I: The UEFI Definitions have been changed.**

UEFI Definitions change has been detected.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0152

User Action:

Information only; no action is required.

- **FQXSPeM4011I: XCC failed to log previous event [arg1].**

XCC failed to log a previous event.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0196

User Action:

Information only; no action is required.

- **FQXSPeM4012I: User [arg1] made system [arg2] Encapsulation lite Mode from [arg3] at IP address [arg4].**

Encapsulation lite mode status change.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0201

User Action:

Information only; no action is required.

- **FQXSPeM4028I: The port [arg1] of PCIe device [arg2] has link [arg3].**

A PCIe device linked.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - NIC Link up/down  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0220

User Action:

Information only; no action is required.

- **FQXSP4031I: SSD wear [arg1] threshold setting is changed from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6].**

SSD wear warning or critical threshold setting is changed by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0273

User Action:

Information only; no action is required.

- **FQXSP4041I: The SmartNIC in slot [arg1] encountered boot timeout.**

SmartNIC in a certain slot encountered boot timeout.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0312

User Action:

Information only; no action is required.

- **FQXSP4042I: The SmartNIC in slot [arg1] went through a crash dump.**

SmartNIC in a certain slot went through a crash dump.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0313

User Action:

Information only; no action is required.

- **FQXSP4043I: A [arg1] failure has been detected and need [arg2] to recover.**

A backplane failure has detected.

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: IMM CIM ID: 0320

User Action:

Information only; no action is required.

- **FQXSPPEM4046I: Alert Recipient Number [arg1] by email is updated: Name=[arg2], DeliveryMethod=[arg3], EmailAddress=[arg4], IncludeLog=[arg5], Enabled=[arg6], EnabledAlerts=-crt<[arg7]> -wrn<[arg8]> -sys<[arg9]> by user [arg10] from [arg11] at IP address [arg12].**

A user adds or updates an email alert recipient.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0352

User Action:

Information only; no action is required.

- **FQXSPPEM4047I: LED [arg1] state changed to [arg2] with physical button.**

A user physically depress the location LED button to change the state of the LED.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0356

User Action:

Information only; no action is required.

- **FQXSPFC4000I: The bare metal connection process has been started.**

Bare metal connection process has been started.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0143

User Action:

Information only; no action is required.

- **FQXSPFC4001I: The bare metal update application reports a status of [arg1].**

Bare metal update application reports a status.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0144

User Action:

Information only; no action is required.

- **FQXSPFW0001N: Firmware BIOS (ROM) corruption was detected on system [ComputerSystemName] during POST.**

Firmware BIOS (ROM) corruption was detected on the system during POST. The computer system object path element contains the CIM object path to the computer system.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0850

User Action:

Complete the following steps until the problem is solved:

1. DC cycle the system.
2. Flash UEFI to latest version.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPFW0004I: UEFI advanced memory test is running.**

This message is for the use case when an implementation has detected that system firmware progress has occurred.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0188

User Action:

Information only; no action is required.

- **FQXSPFW0005I: UEFI advanced memory test is completed.**

This message is for the use case when an implementation has detected that system firmware progress has occurred.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0188

User Action:

Information only; no action is required.

- **FQXSPFW0006I: UEFI advanced memory test is interrupted.**

This message is for the use case when an implementation has detected that system firmware progress has occurred.

Severity: Info  
Serviceable: No

Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0188

User Action:

Information only; no action is required.

- **FQXSPFW0007I: UEFI advanced memory test encountered a hang.**

This message is for the use case when an implementation has detected that system firmware progress has occurred.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0188

User Action:

Complete the following steps until the problem is solved:

1. Make sure the LXPM is on the latest version
2. Re-run the advanced memory test.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPFW2001I: The System [ComputerSystemName] has detected a POST Error deassertion - firmware(BIOS) ROM corruption detected.**

This message is for the use case when an implementation has detected that POST error has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0185

User Action:

Information only; no action is required.

- **FQXSPIO0000I: The connector [PhysicalConnectorName] has been detected as present or connected.**

This message is for the use case when an implementation has detected that a connector has been connected.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0264

User Action:

Information only; no action is required.

- **FQXSPIO0004L: A bus timeout has occurred on bus [BusName].**

This message is for the use case when an implementation has detected a bus timeout.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0224

User Action:

Complete the following steps until the problem is solved:

1. Reseat the processor.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPIO0005N: An I/O Channel Check NMI has occurred on system [ComputerSystemName].**

This message is for the use case when an implementation has detected a I/O channel check NMI.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0226

User Action:

Information only; no action is required.

- **FQXSPIO0006N: A software NMI has occurred on system [ComputerSystemName].**

This message is for the use case when an implementation has detected a software NMI.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0228

User Action:

Complete the following steps until the problem is solved:

1. Make sure that the reported device is in Lenovo server's SPP list.
2. Make sure that all the sub-system drivers use the latest version to avoid notable issues.
3. Make sure that all the sub-system components use the latest version of firmware to avoid notable issues.
4. If the problem persists, collect service data log and OS memory dump.
5. Contact Lenovo Support.

- **FQXSPIO0010I: A Correctable Bus Error has occurred on bus [BusName].**

This message is for the use case when an implementation has detected a bus correctable error.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0238

User Action:

Information only; no action is required.

- **FQXSPIO0011N: An Uncorrectable Error has occurred on PCIs.**

This message is for the use case when an implementation has detected a bus uncorrectable error.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: Yes  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0240

User Action:

Complete the following steps until the problem is solved:

1. Check Lenovo Support (<http://support.lenovo.com/>) for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
2. Upgrade all system firmware and chassis firmware (if applicable) to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported by the cluster solution before the update.

3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPIO0013N: A Fatal Bus Error has occurred on bus [BusName].**

This message is for the use case when an implementation has detected a bus fatal error.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0244

User Action:

Complete the following steps until the problem is solved:

1. Check Lenovo Support (<http://support.lenovo.com/>) for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
2. Upgrade all system firmware and chassis firmware (if applicable) to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported by the cluster solution before the update.

3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPIO0014J: Bus [BusName] is operating in a degraded state.**

This message is for the use case when an implementation has detected a bus is degraded.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0246

User Action:

Complete the following steps until the problem is solved:

1. Check Lenovo Support (<http://support.lenovo.com/>) for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
2. Upgrade all system firmware and chassis firmware (if applicable) to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported by the cluster solution before the update.

3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPIO0024M: [BackplaneName] has invalid cabling configuration.**

This message is for the use case when invalid cabling configuration is detected on a backplane.

Severity: Error  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0895

User Action:

Complete the following steps until the problem is solved:

1. Power off the server, disconnect the AC power cable and reconnect the signal cable or power cable of the affected backplane.
2. Refer to the E3.S drive backplane connection label attached on the chassis to check the cable connection.
3. If the problem persists, update the Drive Backplane and Boot Kit PSOC Firmware to the latest version.
4. If the problem persists, upgrade XCC, FPGA, and UEFI to the latest versions.
5. If the problem persists, collect service data logs.
6. Contact Lenovo Support.

- **FQXSPIO0032I: Device [DeviceType] [DeviceIndex] is installed.**

This message is for the use case when an implementation has detected that a device has installed.

Severity: Info  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0859

User Action:

Information only; no action is required.

- **FQXSPIO0033I: Device [DeviceType] [DeviceIndex] is uninstalled**

This message is for the use case when an implementation has detected that a device has uninstalled.

Severity: Info  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0860

User Action:

Information only; no action is required.

- **FQXSPIO0034I: Connector [ConnectorName] is linked to [DeviceType] [DeviceIndex].**

This message is for the use case when an implementation has detected that a connector has linked.

Severity: Info  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0861

User Action:

Information only; no action is required.

- **FQXSPIO0035G: [DeviceName] is installed in wrong location.**

This message is for the use case when an implementation has detected that a device has been installed in wrong location.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0863

User Action:

Complete the following steps until the problem is solved:

1. Power off the server, disconnect the AC power cable and reconnect affected adapter and riser card.
2. If the problem persists, upgrade XCC, FPGA, and UEFI to the latest versions.
3. If the problem persists, collect service data logs.
4. Contact Lenovo Support.

- **FQXSPIO0036G: Signal cable and power cable are misconnected for [DeviceName]. Should connect signal cable [RiserOrBPConnectorName1] to [MCIOorMXIOConnectName1], [RiserOrBPConnectorName2] to [MCIOorMXIOConnectName2].**

This message is for the use case when an implementation has detected that a device cable has been misconnected.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0864

User Action:

Complete the following steps until the problem is solved:

1. Power off the server, disconnect the AC power cable and reconnect the signal cable or power cable of the affected riser card.
2. Refer to the reported message and Cable Routing Guide to connect the signal cable or power cable to the correct connector.
3. If the problem persists, upgrade XCC, FPGA, and UEFI to the latest versions.
4. If the problem persists, collect service data logs.
5. Contact Lenovo Support.

- **FQXSPIO0037G: Signal cable and power cable are misconnected for [DeviceName]. Should connect signal cable [MCIOorMXIOConnectName].**

This message is for the use case when an implementation has detected that a device cable has been misconnected.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0864

User Action:

Complete the following steps until the problem is solved:

1. Power off the server, disconnect the AC power cable and reconnect the signal cable or power cable of the affected riser card.
2. Refer to the reported message and Cable Routing Guide to connect the signal cable or power cable to the correct connector.
3. If the problem persists, upgrade XCC, FPGA, and UEFI to the latest versions.
4. If the problem persists, collect service data logs.
5. Contact Lenovo Support.

- **FQXSPIO0038G: Signal cable of [DeviceName] is not connected, Should connect to [MCIOorMXIOConnectName].**

This message is for the use case when an implementation has detected that a signal cable of device has not been connected.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0897

User Action:

Complete the following steps until the problem is solved:

1. Power off the server, disconnect the AC power cable and reconnect the signal cable or power cable of the affected riser card.
  2. Refer to the reported message and Cable Routing Guide to connect the signal cable or power cable to the correct connector.
  3. If the problem persists, upgrade XCC, FPGA, and UEFI to the latest versions.
  4. If the problem persists, collect service data logs.
  5. Contact Lenovo Support.
- **FQXSPIO0039G: Signal cable of [DeviceName] is misconnected to [WrongConnectorName]. Should connect to [MCIOorMXIOConnectName].**

This message is for the use case when an implementation has detected that a signal cable of device has been misconnected.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0898

User Action:

Complete the following steps until the problem is solved:

1. Power off the server, disconnect the AC power cable and reconnect the signal cable or power cable of the affected riser card.
  2. Refer to the reported message and Cable Routing Guide to connect the signal cable or power cable to the correct connector.
  3. If the problem persists, upgrade XCC, FPGA, and UEFI to the latest versions.
  4. If the problem persists, collect service data logs.
  5. Contact Lenovo Support.
- **FQXSPIO0040G: Signal cable [SignalCableName] of [DeviceName] is not connected. Should connect to [MCIOorMXIOConnectName].**

This message is for the use case when an implementation has detected that a signal cable of device has not been connected.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0899

User Action:

Complete the following steps until the problem is solved:

1. Power off the server, disconnect the AC power cable and reconnect the signal cable or power cable of the affected riser card.
2. Refer to the reported message and Cable Routing Guide to connect the signal cable or power cable to the correct connector.
3. If the problem persists, upgrade XCC, FPGA, and UEFI to the latest versions.

4. If the problem persists, collect service data logs.
5. Contact Lenovo Support.

- **FQXSPIO0041G: Signal cable [SignalCableName] of [DeviceName] is misconnected to [WrongMCIOorMXIOConnectName]. Should connect to [RightMCIOorMXIOConnectName].**

This message is for the use case when an implementation has detected that a signal cable of device has been misconnected.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0900

User Action:

Complete the following steps until the problem is solved:

1. Power off the server, disconnect the AC power cable and reconnect the signal cable or power cable of the affected riser card.
2. Refer to the reported message and Cable Routing Guide to connect the signal cable or power cable to the correct connector.
3. If the problem persists, upgrade XCC, FPGA, and UEFI to the latest versions.
4. If the problem persists, collect service data logs.
5. Contact Lenovo Support.

- **FQXSPIO2000J: The connector [PhysicalConnectorName] has been disconnected.**

This message is for the use case when an implementation has detected that a connector was disconnected.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0265

User Action:

Complete the following steps until the problem is solved:

1. Re-install COM Port Card/VGA connector and cable.
2. Check Lenovo Support for known service bulletins and Tech Tips.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPIO2004I: Bus [BusName] has recovered from a bus timeout.**

This message is for the use case when an implementation has detected that a system has recovered from a bus timeout.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50

CIM Prefix: PLAT CIM ID: 0225

User Action:

Information only; no action is required.

- **FQXSPIO2005I: System [ComputerSystemName] has recovered from I/O Channel Check NMI.**

This message is for the use case when an implementation has detected a software NMI has been recovered.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0230

User Action:

Information only; no action is required.

- **FQXSPIO2006I: System [ComputerSystemName] has recovered from software NMI.**

This message is for the use case when an implementation has detected a Software NMI has been recovered.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0230

User Action:

Information only; no action is required.

- **FQXSPIO2010I: Bus [BusName] has recovered from a Correctable Bus Error.**

This message is for the use case when an implementation has detected that a system has recovered from a bus correctable error.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0239

User Action:

Information only; no action is required.

- **FQXSPIO2011I: PCIs has recovered from an Uncorrectable Error.**

This message is for the use case when an implementation has detected a that a system has recovered from a bus uncorrectable error.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other

SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0241

User Action:

Information only; no action is required.

- **FQXSPIO2013I: Bus [BusName] has recovered from a Fatal Bus Error.**

This message is for the use case when an implementation has detected that a system has recovered from a bus fatal error.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0245

User Action:

Information only; no action is required.

- **FQXSPIO2014I: Bus [BusName] is no longer operating in a degraded state.**

This message is for the use case when an implementation has detected a bus is no longer degraded.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0247

User Action:

Information only; no action is required.

- **FQXSPMA0010J: DIMM [DIMMId] on system [MemoryName] is throttled.**

This message is for the use case when an implementation has detected memory has been throttled.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0142

User Action:

Complete the following steps until the problem is solved:

1. Check the XCC event log for any fan or cooling related issues and address them first.
2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed and are in place.
3. Make sure that the room temperature is within operating specifications.
4. Upgrade all system and chassis (if applicable) firmware to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.

5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

- **FQXSPMA0012M: An Over-Temperature Condition has been detected on the DIMM [DIMMId] on system [MemoryName].**

This message is for the use case when an implementation has detected an over-temperature condition for memory that has been detected.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0146

User Action:

Complete the following steps until the problem is solved:

1. Check the event log of system management module and xClarity Controller for any fan or cooling related issues.
2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are in place and correctly installed.
3. Make sure that the room temperature is within operating specifications.
4. Make sure that the DIMM and Drive baffles are in place if applicable.
5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

- **FQXSPMA0025I: BMC LAN failover from dedicate to shared.**

This message is for the use case when an implementation has detected a sensor has asserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0508

User Action:

Information only; no action is required.

- **FQXSPMA0039G: DIMM [DIMMID] is disabled.**

This message is for the use case when an implementation has detected a sensor has asserted.

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Memory  
SNMP Trap ID: 43  
CIM Prefix: PLAT CIM ID: 0508

User Action:

Complete the following steps until the problem is solved:

1. Check if there is any other memory related message reported prior to this event.

2. If the DIMM configuration was changed prior to this failure, verify that the DIMMs are installed in the correct population sequence.
3. If there is any DIMM POST test failed, reseal the DIMM failed the POST memory test and the DIMMs on adjacent slots if populated. Boot to F1 setup and enable the DIMM. Reboot the system.
4. If the DIMMs have been upgraded just prior to the issue, update UEFI to the latest version.
5. If the problem persists, collect service data logs.
6. Contact Lenovo Support.

- **FQXSPMA0130N: Memory PMIC [MemoryPMICGroup] has transitioned to non-recoverable.**

This message is for the use case when an implementation has detected a memory PMIC non-recoverable fault has occurred.

Severity: Error  
 Serviceable: Yes  
 Automatically notify Support: No  
 Alert Category: Critical - Memory  
 SNMP Trap ID: 41  
 CIM Prefix: PLAT CIM ID: 0854

User Action:

Complete the following steps:

1. remove A/C power and any recently installed components.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPMA2010I: DIMM [DIMMId] on system [MemoryName] is no longer throttled.**

This message is for the use case when an implementation has detected memory is no longer throttled.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: PLAT CIM ID: 0143

User Action:

Information only; no action is required.

- **FQXSPMA2012I: An Over-Temperature Condition has been removed on the dimm [DIMMId] on system [MemoryName].**

This message is for the use case when an implementation has detected an over-temperature condition for memory that has been removed.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: Critical - Temperature  
 SNMP Trap ID: 0  
 CIM Prefix: PLAT CIM ID: 0147

User Action:

Information only; no action is required.

- **FQXSPMA2025I: BMC LAN recovers back from shared to dedicate.**

This message is for the use case when an implementation has detected a sensor has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 43  
CIM Prefix: PLAT CIM ID: 0509

User Action:

Information only; no action is required.

- **FQXSPMA2037I: DIMMs has recovered from an Uncorrectable Error.**

This message is for the use case when an implementation has detected a that a system has recovered from a bus uncorrectable error.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Memory  
SNMP Trap ID: 41  
CIM Prefix: PLAT CIM ID: 0241

User Action:

Information only; no action is required.

- **FQXSPMA2039I: DIMM [DIMMID] is enabled.**

This message is for the use case when an implementation has detected a sensor has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Memory  
SNMP Trap ID: 43  
CIM Prefix: PLAT CIM ID: 0509

User Action:

Information only; no action is required.

- **FQXSPNM4000I: Management Controller [arg1] Network Initialization Complete.**

This message is for the use case where a management controller network has completed initialization.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0001

User Action:

Information only; no action is required.

- **FQXSPNM4001I: Ethernet Data Rate modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

This message is for the use case where a user modifies the Ethernet port data rate.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0003

User Action:

Information only; no action is required.

- **FQXSPNM4002I: Ethernet Duplex setting modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

This message is for the use case where a user modifies the Ethernet port duplex setting.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0004

User Action:

Information only; no action is required.

- **FQXSPNM4003I: Ethernet MTU setting modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

This message is for the use case where a user modifies the Ethernet port MTU setting.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0005

User Action:

Information only; no action is required.

- **FQXSPNM4004I: Ethernet locally administered MAC address modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

This message is for the use case where a user modifies the Ethernet port MAC address setting.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0006

User Action:

Information only; no action is required.

- **FQXSPNM4005I: Ethernet interface [arg1] by user [arg2] from [arg3] at IP address [arg4].**

This message is for the use case where a user enabled or disabled the ethernet interface.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0007

User Action:

Information only; no action is required.

- **FQXSPNM4006I: Hostname set to [arg1] by user [arg2] from [arg3] at IP address [arg4].**

This message is for the use case where user modifies the hostname of a management controller.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0008

User Action:

Information only; no action is required.

- **FQXSPNM4010I: DHCP[[arg1]] failure, no IP address assigned.**

This message is for the use case where a DHCP server fails to assign an IP address to a management controller.

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0013

User Action:

Complete the following steps until the problem is solved:

1. Make sure that the BMC network cable is connected.
2. Make sure that there is a DHCP server on the network that can assign an IP address to the BMC.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPNM4011I: ENET[[arg1]] DHCP-HSTN=[arg2], DN=[arg3], IP@=[arg4], SN=[arg5], GW@=[arg6], DNS1@=[arg7].**

This message is for the use case where a management controller IP address and configuration has been assigned by the DHCP server.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0022

User Action:

Information only; no action is required.

- **FQXSPNM4012I: ENET[[arg1]] IP-Cfg:HstName=[arg2], IP@=[arg3] ,NetMsk=[arg4], GW@=[arg5].**

This message is for the use case where a management controller IP address and configuration has been assigned statically using user data.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0023

User Action:

Information only; no action is required.

- **FQXSPNM4013I: LAN: Ethernet[[arg1]] interface is no longer active.**

This message is for the use case where a management controller ethernet interface is no longer active.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0024

User Action:

Information only; no action is required.

- **FQXSPNM4014I: LAN: Ethernet[[arg1]] interface is now active.**

This message is for the use case where a management controller ethernet interface is now active.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0025

User Action:

Information only; no action is required.

- **FQXSPNM4016I: Domain name set to [arg1] by user [arg2] from [arg3] at IP address [arg4].**

Domain name set by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0043

User Action:

Information only; no action is required.

- **FQXSPNM4017I: Domain Source changed to [arg1] by user [arg2] from [arg3] at IP address [arg4].**

Domain source changed by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0044

User Action:

Information only; no action is required.

- **FQXSPNM4018I: DDNS setting changed to [arg1] by user [arg2] from [arg3] at IP address [arg4].**

DDNS setting changed by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0045

User Action:

Information only; no action is required.

- **FQXSPNM4019I: DDNS registration successful. The domain name is [arg1].**

DDNS registration and values.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0046

User Action:

Information only; no action is required.

- **FQXSPNM4020I: IPv6 enabled by user [arg1] from [arg2] at IP address [arg3].**

IPv6 protocol is enabled by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0047

User Action:

Information only; no action is required.

- **FQXSPNM4021I: IPv6 disabled by user [arg1] from [arg2] at IP address [arg3].**

IPv6 protocol is disabled by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0048

User Action:

Information only; no action is required.

- **FQXSPNM4022I: IPv6 static IP configuration enabled by user [arg1] from [arg2] at IP address [arg3].**

IPv6 static address assignment method is enabled by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0049

User Action:

Information only; no action is required.

- **FQXSPNM4023I: IPv6 DHCP enabled by user [arg1] from [arg2] at IP address [arg3].**

IPv6 DHCP assignment method is enabled by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0050

User Action:

Information only; no action is required.

- **FQXSPNM4024I: IPv6 stateless auto-configuration enabled by user [arg1] from [arg2] at IP address [arg3].**

IPv6 stateless auto-assignment method is enabled by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0051

User Action:

Information only; no action is required.

- **FQXSPNM4025I: IPv6 static IP configuration disabled by user [arg1] from [arg2] at IP address [arg3].**

IPv6 static assignment method is disabled by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0052

User Action:

Information only; no action is required.

- **FQXSPNM4026I: IPv6 DHCP disabled by user [arg1] from [arg2] at IP address [arg3].**

IPv6 DHCP assignment method is disabled by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0053

User Action:

Information only; no action is required.

- **FQXSPNM4027I: IPv6 stateless auto-configuration disabled by user [arg1] from [arg2] at IP address [arg3].**

IPv6 stateless auto-assignment method is disabled by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0054

User Action:

Information only; no action is required.

- **FQXSPNM4028I: ENET[[arg1]] IPv6-LinkLocal:HstName=[arg2], IP@=[arg3] ,Pref=[arg4].**

IPv6 link local address is active.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0055

User Action:

Information only; no action is required.

- **FQXSPNM4029I: ENET[[arg1]] IPv6-Static:HstName=[arg2], IP@=[arg3] ,Pref=[arg4], GW@=[arg5].**

IPv6 static address is active.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0056

User Action:

Information only; no action is required.

- **FQXSPNM4030I: ENET[[arg1]] DHCPv6-HSTN=[arg2], DN=[arg3], IP@=[arg4], Pref=[arg5], DNS1@=[arg6].**

IPv6 DHCP-assigned address is active.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0057

User Action:

Information only; no action is required.

- **FQXSPNM4031I: IPv6 static address of network interface modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

A user modifies the IPv6 static address of a management controller.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0058

User Action:

Information only; no action is required.

- **FQXSPNM4034I: SSH port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

A user has modified the SSH port number.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0062

User Action:

Information only; no action is required.

- **FQXSPNM4035I: Web-HTTP port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

A user has modified the Web HTTP port number.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0063

User Action:

Information only; no action is required.

- **FQXSPNM4036I: Web-HTTPS port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

A user has modified the Web HTTPS port number.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0064

User Action:

Information only; no action is required.

- **FQXSPNM4039I: SNMP Agent port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

A user has modified the SNMP Agent port number.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0067

User Action:

Information only; no action is required.

- **FQXSPNM4040I: SNMP Traps port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

A user has modified the SNMP Traps port number.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0068

User Action:

Information only; no action is required.

- **FQXSPNM4041I: Syslog port number for syslog receiver [arg1] is changed from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6].**

A user has modified the syslog receiver port number.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0069

User Action:

Information only; no action is required.

- **FQXSPNM4042I: Remote Presence port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

A user has modified the Remote Presence port number.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0070

User Action:

Information only; no action is required.

- **FQXSPNM4043I: SMTP Server set by user [arg1] to [arg2]:[arg3] from [arg4] at IP address [arg5].**

A user configured the SMTP server.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0086

User Action:

Information only; no action is required.

- **FQXSPNM4045I: DNS servers set by user [arg1]: UseAdditionalServers=[arg2], PreferredDNStype=[arg3], IPv4Server1=[arg4], IPv4Server2=[arg5], IPv4Server3=[arg6], IPv6Server1=[arg7], IPv6Server2=[arg8], IPv6Server3=[arg9] from [arg10] at IP address [arg11].**

A user configures the DNS servers.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0088

User Action:

Information only; no action is required.

- **FQXSPNM4046I: LAN over USB [arg1] by user [arg2] from [arg3] at IP address [arg4].**

A user configured USB-LAN.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0089

User Action:

Information only; no action is required.

- **FQXSPNM4047I: LAN over USB Port Forwarding set by user [arg1]: ExternalPort=[arg2], USB-LAN port=[arg3] from [arg4] at IP address [arg5].**

A user configured USB-LAN port forwarding.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0090

User Action:

Information only; no action is required.

- **FQXSPNM4048I: PXE boot requested by user [arg1] from [arg2] at IP address [arg3].**

PXE boot requested.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0129

User Action:

Information only; no action is required.

- **FQXSPNM4049I: User [arg1] has initiated a TKLM Server Connection Test to check connectivity to server [arg2] from [arg3] at IP address [arg4].**

A user initiated a TKLM server connection test.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0159

User Action:

Information only; no action is required.

- **FQXSPNM4051I: User [arg1] has set the SMTP Server reverse-path to [arg2] from [arg3] at IP address [arg4].**

A user set SMTP Server reverse-path address.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0163

User Action:

Information only; no action is required.

- **FQXSPNM4053I: DNS discovery of Lenovo XClarity Administrator has been [arg1] by user [arg2] from [arg3] at IP address [arg4].**

DNS discovery of Lenovo XClarity Administrator.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0217

User Action:

Information only; no action is required.

- **FQXSPNM4054I: The hostname from DHCP is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

This message is for getting hostname from DHCP.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - IMM Network event  
 SNMP Trap ID: 37  
 CIM Prefix: IMM CIM ID: 0244

User Action:

Information only; no action is required.

- **FQXSPNM4055I: The hostname from DHCP is invalid.**

This message is for hostname from DHCP is invalid.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - IMM Network event  
 SNMP Trap ID: 37  
 CIM Prefix: IMM CIM ID: 0245

User Action:

Information only; no action is required.

- **FQXSPNM4056I: The NTP server address [arg1] is invalid.**

Report NTP server is invalid.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0249

User Action:

Information only; no action is required.

- **FQXSPNM4057I: Security: IP address: [arg1] had [arg2] login failures, it will be blocked to access for [arg3] minutes.**

This message is for the use case where IP address is blocking.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0250

User Action:

Information only; no action is required.

- **FQXSPNM4058I: IP address of network interface [arg1] is modified from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6].**

This message is for the use case where user modifies the IP address of a management controller.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0286

User Action:

Information only; no action is required.

- **FQXSPNM4059I: IP subnet mask of network interface [arg1] is modified from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6].**

This message is for the use case where a user modifies the IP subnet mask of a management controller.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0287

User Action:

Information only; no action is required.

- **FQXSPNM4060I: IP address of default gateway of network interface [arg1] is modified from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6].**

This message is for the use case where a user modifies the default gateway IP address of a management controller.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0288

User Action:

Information only; no action is required.

- **FQXSPNM4068I: The USB [arg1] is [arg2] by user [arg3] from [arg4] at IP address [arg5].**

Enable or disable a certain USB port.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0355

User Action:

Information only; no action is required.

- **FQXSPNM4069I: The LLDP service is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

Enable or disable LLDP service.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0357

User Action:

Information only; no action is required.

- **FQXSPNM4070I: Daisy mode is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

Enable or disable Daisy mode.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0358

User Action:

Information only; no action is required.

- **FQXSPOS4000I: OS Watchdog response [arg1] by [arg2] from [arg3] at IP address [arg4].**

This message is for the use case where an OS Watchdog has been enabled or disabled by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0012

User Action:

Information only; no action is required.

- **FQXSPOS4001I: Watchdog [arg1] Screen Capture Occurred.**

This message is for the use case where an operating system error has occurred, and the screen was captured.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0028

User Action:

Complete the following steps until the problem is solved:

1. If there was no operating-system error:
  - a. Reconfigure the watchdog timer to a higher value.
  - b. Make sure that the BMC Ethernet-over-USB interface is enabled.
  - c. Reinstall the RNDIS or cdc\_ether device driver for the operating system.
  - d. Disable the watchdog.
2. If there was an operating-system error, check the integrity of the installed operating system.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPOS4002I: Watchdog [arg1] Failed to Capture Screen.**

This message is for the use case where an operating system error has occurred, and the screen capture failed.

Severity: Error  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0029

User Action:

Complete the following steps until the problem is solved:

1. Reconfigure the watchdog timer to a higher value.
2. Make sure that the BMC Ethernet over USB interface is enabled.
3. Reinstall the RNDIS or cdc\_ether device driver for the operating system.
4. Disable the watchdog. Check the integrity of the installed operating system.

5. Update the BMC firmware. Important: Some cluster solutions require specific code levels or coordinated code updates. If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before you update the code.
6. If the problem persists, collect service data log.
7. Contact Lenovo Support.

- **FQXSPOS4003I: Platform Watchdog Timer expired for [arg1].**

An implementation has detected an OS Loader Watchdog Timer Expired.

Severity: Error  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Loader timeout  
SNMP Trap ID: 26  
CIM Prefix: IMM CIM ID: 0060

User Action:

Complete the following steps until the problem is solved:

1. Reconfigure the watchdog timer to a higher value.
2. Make sure that the BMC Ethernet over USB interface is enabled.
3. Reinstall the RNDIS or cdc\_ether device driver for the operating system.
4. Disable the watchdog.
5. Check the integrity of the installed operating system.
6. If the problem persists, collect service data log.
7. Contact Lenovo Support.

- **FQXSPOS4004I: Operating System status has changed to [arg1].**

Operating System status change.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0191

User Action:

Information only; no action is required.

- **FQXSPOS4005I: Host Power-On password changed by user [arg1] from [arg2] at IP address [arg3].**

This message is for the use case where host power-on password changed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0231

User Action:

Information only; no action is required.

- **FQXSPOS4006I: Host Power-On password cleared by user [arg1] from [arg2] at IP address [arg3].**

This message is for the use case where host power-on password cleared.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0232

User Action:

Information only; no action is required.

- **FQXSPOS4007I: Host Admin password changed by user [arg1] from [arg2] at IP address [arg3].**

This message is for the use case where host admin password changed.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0233

User Action:

Information only; no action is required.

- **FQXSPOS4008I: Host Admin password cleared by user [arg1] from [arg2] at IP address [arg3].**

This message is for the use case where host admin password cleared.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0234

User Action:

Information only; no action is required.

- **FQXSPOS4009I: OS Crash Video Captured.**

This message is for the use case where OS crash video captured.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0235

User Action:

Information only; no action is required.

- **FQXSPOS4010I: OS Crash Video Capture Failed.**

This message is for the use case where OS Crash Video Capture failed.

Severity: Error  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0236

User Action:

Complete the following steps until the problem is solved:

1. Check if the OS watchdog is enabled.
2. Check if the crash video recording is enabled.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSP0S4011I: OS failure screen capture with hardware error is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

OS failure screen capture with hardware error is enabled or disabled by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0280

User Action:

Information only; no action is required.

- **FQXSP0S4012I: POST watchdog Screen Capture Occurred.**

This message is for the use case where an operating system error has occurred, and the screen was captured.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0302

User Action:

Information only; no action is required.

- **FQXSPPP4000I: Attempting to [arg1] server [arg2] by user [arg3] from [arg4] at IP address [arg5].**

This message is for the use case where a user is using the management controller to perform a power function on the system.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0015

User Action:

Information only; no action is required.

- **FQXSPPP4001I: Server Power Off Delay set to [arg1] by user [arg2] from [arg3] at IP address [arg4].**

A user configured the server power-off delay.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0081

User Action:

Information only; no action is required.

- **FQXSPPP4002I: Server [arg1] scheduled for [arg2] at [arg3] by user [arg4] from [arg5] at IP address [arg6].**

A user configured a server power action at a specific time.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0082

User Action:

Information only; no action is required.

- **FQXSPPP4003I: Server [arg1] scheduled for every [arg2] at [arg3] by user [arg4] from [arg5] at IP address [arg6].**

A user configured a recurring server power action.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0083

User Action:

Information only; no action is required.

- **FQXSPPP4004I: Server [arg1] [arg2] cleared by user [arg3] from [arg4] at IP address [arg5].**

A user cleared a server power action.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0084

User Action:

Information only; no action is required.

- **FQXSPPP4005I: The power cap value changed from [arg1] watts to [arg2] watts by user [arg3] from [arg4] at IP address [arg5].**

Power cap values changed by a user.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0113

User Action:

Information only; no action is required.

- **FQXSPPP4009I: The measured power value exceeded the power cap value.**

Power exceeded cap.

Severity: Warning  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: Warning - Power  
 SNMP Trap ID: 164  
 CIM Prefix: IMM CIM ID: 0117

User Action:

Information only; no action is required.

- **FQXSPPP4011I: Power capping was activated by user [arg1] from [arg2] at IP address [arg3].**

Power capping activated by a user.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0119

User Action:

Information only; no action is required.

- **FQXSPPP4012I: Power capping was deactivated by user [arg1] from [arg2] at IP address [arg3].**

Power capping deactivated by a user.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0120

User Action:

Information only; no action is required.

- **FQXSPPP4020I: The measured power value has returned below the power cap value.**

Power exceeded cap recovered.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Power  
SNMP Trap ID: 164  
CIM Prefix: IMM CIM ID: 0130

User Action:

Information only; no action is required.

- **FQXSPPP4022I: The server was restarted for an unknown reason.**

The server was restarted for an unknown reason.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0166

User Action:

Information only; no action is required.

- **FQXSPPP4023I: The server is restarted by chassis control command.**

Server is restarted by chassis control command.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0167

User Action:

Information only; no action is required.

- **FQXSPPP4024I: The server was reset via push button.**

The server was reset via the power push button.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0168

User Action:

Information only; no action is required.

- **FQXSPPP4025I: The server was powered-up via power push button.**

The server was power-up via the power push button.

Severity: Info  
Serviceable: No

Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0169

User Action:

Information only; no action is required.

- **FQXSPPP4026I: The server was restarted when the watchdog expired.**

The server was restarted when the watchdog expired.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0170

User Action:

Information only; no action is required.

- **FQXSPPP4027I: The server was restarted for OEM reason.**

The server was restarted for an OEM reason.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0171

User Action:

Information only; no action is required.

- **FQXSPPP4028I: The server was automatically powered on because the power restore policy is set to always on.**

The server was automatically powered on because the power restore policy is set to always on.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0172

User Action:

Information only; no action is required.

- **FQXSPPP4029I: The server was automatically powered on because the power restore policy is set to restore previous power state.**

The server was automatically powered on because the power restore policy is set to restore previous power state.

Severity: Info  
Serviceable: No

Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0173

User Action:

Information only; no action is required.

- **FQXSPPP4030I: The server was reset via Platform Event Filter.**

The server was reset via platform event filter.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0174

User Action:

Information only; no action is required.

- **FQXSPPP4031I: The server was power-cycled via Platform Event Filter.**

The server was power-cycled via platform event filter.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0175

User Action:

Information only; no action is required.

- **FQXSPPP4032I: The server was soft reset.**

The server made a soft reset.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0176

User Action:

Information only; no action is required.

- **FQXSPPP4033I: The server was powered up via Real Time Clock (scheduled power on).**

The server was powered up via real time clock (scheduled power on).

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22

CIM Prefix: IMM CIM ID: 0177

User Action:

Information only; no action is required.

- **FQXSPPP4034I: The server was powered off for an unknown reason.**

The server was powered off for an unknown reason.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0178

User Action:

Information only; no action is required.

- **FQXSPPP4035I: The server was powered off by chassis control command.**

The server was powered off by chassis control command.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0179

User Action:

Information only; no action is required.

- **FQXSPPP4036I: The server was powered off via push button.**

The server was powered off via the power push button.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0180

User Action:

Information only; no action is required.

- **FQXSPPP4037I: The server was powered off when the watchdog expired.**

The server was powered off when the watchdog expired.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0181

User Action:

Information only; no action is required.

- **FQXSPPP4038I: The server stayed powered off because the power restore policy is set to always off.**

The server stayed powered off because the power restore policy is set to always off.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0182

User Action:

Information only; no action is required.

- **FQXSPPP4039I: The server stayed powered off because the power restore policy is set to restore previous power state.**

The server stayed powered off because the power restore policy is set to restore previous power state.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0183

User Action:

Information only; no action is required.

- **FQXSPPP4040I: The server was powered off via Platform Event Filter.**

The server was power-off via platform event filter.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0184

User Action:

Information only; no action is required.

- **FQXSPPP4041I: The server was powered off via Real Time Clock (scheduled power off).**

The server was powered off via real time clock (scheduled power off).

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0185

User Action:

Information only; no action is required.

- **FQXSPPP4042I: Management Controller [arg1] reset was initiated due to Power-On-Reset.**

Management controller reset was initiated due to Power-On-Reset.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0186

User Action:

Information only; no action is required.

- **FQXSPPP4044I: Management Controller [arg1] reset was initiated by CMM.**

Management controller reset was initiated by CMM.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0188

User Action:

Information only; no action is required.

- **FQXSPPP4047I: Management Controller [arg1] reset was initiated by user [arg2] from [arg3] at IP address [arg4].**

This message is for the use case where a management controller reset is initiated by a user.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0021

User Action:

Information only; no action is required.

- **FQXSPPP4048I: Attempting to AC power cycle server [arg1] by user [arg2] from [arg3] at IP address [arg4].**

AC power cycle server.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0227

User Action:

Information only; no action is required.

- **FQXSPPP4049I: Management Controller [arg1] reset was initiated by Front Panel.**

Management controller reset was initiated by front panel.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0252

User Action:

Information only; no action is required.

- **FQXSPPP4050I: Management Controller [arg1] reset was initiated to activate PFR Firmware.**

Management controller reset was initiated to activate PFR Firmware.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0253

User Action:

Information only; no action is required.

- **FQXSPPP4054I: Unbalanced PSU config is detected, system is using less node PSU capacity.**

This message is for the use case where user installed unbalanced PSUs.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0316

User Action:

Information only; no action is required.

- **FQXSPPR0000I: [BackplaneName] detected as present.**

This message is for the use case when an implementation has detected a managed element is now present.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0390

User Action:

Information only; no action is required.

- **FQXSPPR0003I: Front Panel detected as present.**

This message is for the use case when an implementation has detected a managed element is now present.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0390

User Action:

Information only; no action is required.

- **FQXSPPR0004I: TPM module detected as present.**

This message is for the use case when an implementation has detected a managed element is now present.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0390

User Action:

Information only; no action is required.

- **FQXSPPR2001I: [BackplaneName] detected as absent.**

This message is for the use case when an implementation has detected a managed element is absent.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0392

User Action:

Information only; no action is required.

- **FQXSPPR2003I: Front Panel detected as absent.**

This message is for the use case when an implementation has detected a managed element is absent.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0392

User Action:

Information only; no action is required.

- **FQXSPPR2004I: TPM module detected as absent.**

This message is for the use case when an implementation has detected a managed element is absent.

Severity: Info  
Serviceable: No

Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0392

User Action:

Information only; no action is required.

- **FQXSPPU0001N: An Over-Temperature Condition has been detected on Processor [ProcessorId].**

This message is for the use case when an implementation has detected an over-temperature condition detected for the processor.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0036

User Action:

Complete the following steps until the problem is solved:

1. Check the XCC event log for any fan or cooling related issues and address them first.
2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed and are in place.
3. Make sure that the room temperature is within operating specifications.
4. Upgrade all system and chassis (if applicable) firmware to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.

5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

- **FQXSPPU0002G: Processor [ProcessorId] is operating in a Degraded State.**

This message is for the use case when an implementation has detected a processor is running in the degraded state.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - CPU  
SNMP Trap ID: 42  
CIM Prefix: PLAT CIM ID: 0038

User Action:

Complete the following steps until the problem is solved:

1. Check the XCC event log for any fan or cooling related issues and address them first.
2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed and are in place.
3. Make sure that the room temperature is within operating specifications.
4. Upgrade all system and chassis (if applicable) firmware to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.

5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

- **FQXSPPU0007N: CPU voltage mismatch detected on [ProcessorName].**

This message is for the use case when an implementation has detected that a CPU voltage mismatch with the socket voltage.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - CPU  
SNMP Trap ID: 40  
CIM Prefix: PLAT CIM ID: 0050

User Action:

This is a UEFI detected event. The UEFI(POST) error code for this event can be found in the logged BMC message text. Please refer to the UEFI(POST) error code in the "UEFI(POST) error code" section of the Information Center for the appropriate user response.

- **FQXSPPU0009N: Processor [ProcessorId] has a Configuration Mismatch.**

This message is for the use case when an implementation has detected that a processor configuration mismatch has occurred.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - CPU  
SNMP Trap ID: 40  
CIM Prefix: PLAT CIM ID: 0062

User Action:

Complete the following steps until the problem is solved:

1. This message could occur with messages about other processor configuration problems. Resolve those messages first.
2. If the problem persists, ensure that matching processors are installed (i.e., matching option part numbers, etc.).
3. Verify that the processors are installed in the correct sockets according to the service information for this product. If not, correct that problem.
4. Check Lenovo Support site for an applicable service bulletin or UEFI firmware update that applies to this processor error.
5. If the problem persists, collect service data logs.
6. Contact Lenovo Support.

- **FQXSPPU0010G: Processor [ProcessorId] is operating in a Degraded State due to [ElementSource].**

This message is for the use case when an implementation has detected a processor is running in the degraded state.

Severity: Warning  
Serviceable: Yes

Automatically notify Support: No  
Alert Category: Warning - CPU  
SNMP Trap ID: 42  
CIM Prefix: PLAT CIM ID: 0038

User Action:

Complete the following steps until the problem is solved:

1. Check the XCC event log for any fan or cooling related issues and address them first.
2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed and are in place.
3. Make sure that the room temperature is within operating specifications.
4. Upgrade all system and chassis (if applicable) firmware to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.

5. If the problem persists, collect service data logs.
6. Contact Lenovo Support.

- **FQXSPPU0015G: CPU feature mismatch is detected.**

This message is for the use case when an implementation has detected a sensor has asserted.

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - CPU  
SNMP Trap ID: 42  
CIM Prefix: PLAT CIM ID: 0508

User Action:

Complete the following steps until the problem is solved:

1. Check if all CPUs have the same on demand capabilities enabled. If XCC reports the status of the feature in "Pending" state, then reboot A/C cycle the server.
2. Retrieve the SDSi activation code from Lenovo LKMs portal and reload using XCC GUI.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPPU0016N: An Uncorrectable Error has occurred on CPUs.**

This message is for the use case when an implementation has detected a bus uncorrectable error.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: Yes  
Alert Category: Critical - CPU  
SNMP Trap ID: 40  
CIM Prefix: PLAT CIM ID: 0240

User Action:

Complete the following steps until the problem is solved:

1. Check Lenovo Support site (<https://support.lenovo.com/>) for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
2. Upgrade all system firmware and chassis firmware (if applicable) to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported by the cluster solution before the update.

3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPPU0017N: A hard fault has occurred on processor [ProcessorId].**

This message is for the use case when an implementation has detected that a processor hard fault has occurred.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - CPU  
SNMP Trap ID: 40  
CIM Prefix: PLAT CIM ID: 0851

User Action:

Complete the following steps until the problem is solved:

1. Perform virtual system reseal or A/C power cycle.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPPU2001I: An Over-Temperature Condition has been removed on Processor [ProcessorId].**

This message is for the use case when an implementation has detected a over-temperature condition has been removed for the processor.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Temperature  
SNMP Trap ID: 0  
CIM Prefix: PLAT CIM ID: 0037

User Action:

Information only; no action is required.

- **FQXSPPU2002I: The Processor [ProcessorId] is no longer operating in a Degraded State.**

This message is for the use case when an implementation has detected a processor is no longer running in the degraded state.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - CPU  
SNMP Trap ID: 42  
CIM Prefix: PLAT CIM ID: 0039

User Action:

Information only; no action is required.

- **FQXSPPU2007I: The System [ComputerSystemName] has detected a POST Error deassertion - CPU voltage mismatch.**

This message is for the use case when an implementation has detected that POST error has deasserted.

Severity: Info  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - CPU  
SNMP Trap ID: 40  
CIM Prefix: PLAT CIM ID: 0185

User Action:

Information only; no action is required.

- **FQXSPPU2009I: Processor [ProcessorId] has Recovered from a Configuration Mismatch.**

This message is for the use case when an implementation has recovered from a processor configuration mismatch.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - CPU  
SNMP Trap ID: 40  
CIM Prefix: PLAT CIM ID: 0063

User Action:

Information only; no action is required.

- **FQXSPPU2015I: CPU feature mismatch is recovered.**

This message is for the use case when an implementation has detected a sensor has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0509

User Action:

Information only; no action is required.

- **FQXSPPU2016I: CPUs has recovered from an Uncorrectable Error.**

This message is for the use case when an implementation has detected a that a system has recovered from a bus uncorrectable error.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - CPU  
SNMP Trap ID: 40  
CIM Prefix: PLAT CIM ID: 0241

User Action:

Information only; no action is required.

- **FQXSPPU2017I: Processor [ProcessorId] has recovered from a hard fault.**

This message is for the use case when an implementation has recovered from a hard fault.

Severity: Info

Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - CPU  
SNMP Trap ID: 40  
CIM Prefix: PLAT CIM ID: 0852

User Action:

Information only; no action is required.

- **FQXSPPW0001I: Power supply [PowerSupplyId] has been added.**

This message is for the use case when an implementation has detected that a power supply unit has been added.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0084

User Action:

Information only; no action is required.

- **FQXSPPW0002I: Power supply [PowerSupplyId] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]) has been added.**

This message is for the use case when an implementation has detected a power supply unit in the enclosure has been added.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0084

User Action:

Information only; no action is required.

- **FQXSPPW0002L: Power supply [PowerSupplyId] has Failed.**

This message is for the use case when an implementation has detected that a power supply unit has failed.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Power  
SNMP Trap ID: 4  
CIM Prefix: PLAT CIM ID: 0086

User Action:

Complete the following steps until the problem is solved:

1. For CRPS Premium:
  - a. Check the LEDs on the PSU. If IN LED is green and OUT LED is yellow, remove and re-install power supply unit.

- b. If the problem persists, collect service data log manually and contact Lenovo Support.
2. For CRPS:
  - a. Check the LED on the PSU. If the LED is yellow, remove and re-install power supply unit.
  - b. If the problem persists, collect service data log manually and contact Lenovo Support.

- **FQXSPPW0003G: Failure predicted on power supply [PowerSupplyId].**

This message is for the use case when an implementation has detected that a power supply unit failure is predicted.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Power  
SNMP Trap ID: 164  
CIM Prefix: PLAT CIM ID: 0088

User Action:

Complete the following steps until the problem is solved:

1. Reseat the power supply.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPPW0003L: Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]) has failed.**

This message is for the use case when an implementation has detected that a power supply unit has failed.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: Yes  
Alert Category: Critical - Power  
SNMP Trap ID: 4  
CIM Prefix: PLAT CIM ID: 0086

User Action:

Complete the following steps until the problem is solved:

1. Check the LEDs on the PSU:
  - a. If AC LED is not lit, check power cord and input voltage.
  - b. If DC LED is not lit, remove and re-install power supply.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPPW0004I: The input to power supply [PowerSupplyId] has been lost or fallen out of range.**

This message is for the use case when an implementation has detected that a power supply unit input is lost or out of range.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22

CIM Prefix: PLAT CIM ID: 0096

User Action:

Information only; no action is required.

- **FQXSPPW0005I: Power supply [PowerSupplyId] is operating in an Input State that is out of range.**

This message is for the use case when an implementation has detected that a power supply unit has input out of range.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0098

User Action:

Information only; no action is required.

- **FQXSPPW0006I: Power supply [PowerSupplyId] has lost input.**

This message is for the use case when an implementation has detected that a power supply unit has input that has been lost.

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Power  
SNMP Trap ID: 164  
CIM Prefix: PLAT CIM ID: 0100

User Action:

Complete the following steps until the problem is solved:

1. For CRPS Premium:
  - a. Check the LEDs on the PSU. If IN and OUT LED are not lit, check power cord and input voltage.
  - b. If the problem persists, collect service data log.
  - c. Contact Lenovo Support.
2. For CRPS:
  - a. Check the LED on the PSU. If one PSU LED is green and the other PSU LED is yellow, check power cord and input voltage.
  - b. If the problem persists, collect service data log.
  - c. Contact Lenovo Support.

- **FQXSPPW0007I: Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]) has lost input.**

This message is for the use case when an implementation has detected that a power supply unit has input that has been lost.

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Power  
SNMP Trap ID: 164

CIM Prefix: PLAT CIM ID: 0100

User Action:

Complete the following steps until the problem is solved:

1. Check if the storage enclosure has lost input power.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPPW0007L: Power supply [PowerSupplyId] has a Configuration Mismatch.**

This message is for the use case when an implementation has detected that a power supply unit with a configuration error.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Power  
SNMP Trap ID: 4  
CIM Prefix: PLAT CIM ID: 0104

User Action:

Complete the following steps until the problem is solved:

1. Check if the PSUs are the same power rating (wattage).
2. Check if the PSUs are the same efficiency level.
3. Check if the PSUs are supported by the platform.
4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

- **FQXSPPW0008I: Host power has been turned off.**

This message is for the use case when an implementation has detected that a power supply unit has been disabled.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Power Off  
SNMP Trap ID: 23  
CIM Prefix: PLAT CIM ID: 0106

User Action:

Information only; no action is required.

- **FQXSPPW0009I: Host power has been Power Cycled.**

This message is for the use case when an implementation has detected that a power supply unit has been power cycled.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0108

User Action:

Information only; no action is required.

- **FQXSPPW0011I: Host power has lost power.**

This message is for the use case when an implementation has detected that a power supply unit has lost power.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0112

User Action:

Information only; no action is required.

- **FQXSPPW0031J: CMOS battery voltage going low (lower non-critical) has asserted.**

This message is for the use case when an implementation has detected a lower non-critical sensor going low has asserted.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Voltage  
SNMP Trap ID: 13  
CIM Prefix: PLAT CIM ID: 0476

User Action:

Complete the following steps until the problem is solved:

1. Remove the CMOS battery for 20 seconds and then install it back.
2. Replace the system CMOS battery.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.
5. Note: RTC / UEFI settings may be cleared if the CMOS battery is removed.

- **FQXSPPW0054I: PSU Mismatch has transitioned to normal state.**

This message is for the use case when an implementation has detected that a sensor transitioned to the normal state.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Power  
SNMP Trap ID: 164  
CIM Prefix: PLAT CIM ID: 0518

User Action:

Information only; no action is required.

- **FQXSPPW0057J: PSU [SensorName] prediction fault failure has transitioned from normal to non-critical state.**

This message is for the use case when an implementation has detected that a sensor transitioned to non-critical from normal.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Power  
SNMP Trap ID: 164  
CIM Prefix: PLAT CIM ID: 0520

User Action:

Complete the following steps until the problem is solved:

1. For CRPS Premium:
  - a. Check the PSU LEDs. If IN LED is blinking and OUT LED is green, check the power cord and input voltage.
  - b. If the problem persists, collect service data log.
  - c. Contact Lenovo Support.
2. For CRPS:
  - a. Check the LED on the PSU. If the LED is blinking yellow, check power cord and input voltage.
  - b. If the problem persists, collect service data logs.
  - c. Contact Lenovo Support.

- **FQXSPPW0061M: PSU [SensorName] failure has transitioned to critical from a less severe state.**

This message is for the use case when an implementation has detected that a sensor transitioned to critical from less severe.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Power  
SNMP Trap ID: 4  
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

1. For CRPS Premium:
  - a. Check the LEDs on the PSU. If IN LED is green and OUT LED is yellow, remove and re-install power supply unit.
  - b. If the problem persists, collect service data log.
  - c. Contact Lenovo Support.
2. For CRPS:
  - a. Check the LED on the PSU. If the LED is yellow, remove and re-install power supply unit.
  - b. If the problem persists, collect service data log.
  - c. Contact Lenovo Support.

- **FQXSPPW0062M: PSU mismatch has transitioned to critical from a less severe state.**

This message is for the use case when an implementation has detected that a sensor transitioned to critical from less severe.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No

Alert Category: Critical - Power  
SNMP Trap ID: 4  
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

1. Check if the PSUs are the same power rating (wattage).
2. Check if the PSUs are the same efficiency level.
3. Check if the PSUs are supported by the platform.
4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

- **FQXSPPW0091I: Redundancy Power Resource has been restored.**

This message is for the use case when an implementation has detected redundancy was restored.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Redundant Power Supply  
SNMP Trap ID: 9  
CIM Prefix: PLAT CIM ID: 0561

User Action:

Information only; no action is required.

- **FQXSPPW0101J: Redundancy Degraded for Power Resource has asserted.**

This message is for the use case when redundancy degraded has asserted.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Redundant Power Supply  
SNMP Trap ID: 10  
CIM Prefix: PLAT CIM ID: 0804

User Action:

Complete the following steps until the problem is solved:

1. Check if one of the power supplies is missing, failed, or not installed properly. If so, reinstall it.
2. Check the maximum power supply rate and power capping policy. If any power supply unit does not meet the requirements, change the power supply unit or modify the power capping mechanism.
3. Upgrade all system firmware and chassis firmware (if applicable) to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported by the cluster solution before the update.

4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

- **FQXSPPW0104J: Non-redundant:Sufficient Resources from Redundancy Degraded or Fully Redundant for Power Resource has asserted.**

This message is for the use case when a redundancy set has transitioned from Redundancy Degraded or Fully Redundant to Non-redundant:Sufficient.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Redundant Power Supply  
SNMP Trap ID: 10  
CIM Prefix: PLAT CIM ID: 0806

User Action:

Complete the following steps until the problem is solved:

1. For CRPS Premium:
  - a. Check the PSU LEDs:
  - b. If IN and OUT LED are not lit, check the power cord and input voltage.
  - c. If IN LED is green and DC LED is yellow or not lit, remove and then reinstall the power supply unit.
  - d. If the problem persists, collect service data log.
  - e. Contact Lenovo Support.
2. For CRPS:
  - a. Check the LED on the PSU:
  - b. If PSU LED is yellow, check power cord and input voltage.
  - c. If PSU LED is still yellow, remove and re-install power supply unit.
  - d. If the problem persists, collect service data log.
  - e. Contact Lenovo Support.

- **FQXSPW0110M: Non-redundant:Insufficient Resources for Power Resource has asserted.**

This message is for the use case when a redundancy set has transitioned to Non-redundant: Insufficient Resources.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Redundant Power Supply  
SNMP Trap ID: 9  
CIM Prefix: PLAT CIM ID: 0810

User Action:

Complete the following steps until the problem is solved:

1. Check if one of the power supplies is missing, failed, or not installed properly. If so, reinstall it.
2. Check the maximum power supply rate and power capping policy. If any power supply unit does not meet the requirements, change the power supply unit or modify the power capping mechanism.
3. Upgrade all system firmware and chassis firmware (if applicable) to the latest level.

**Note:** If the device is part of a cluster solution, verify that the latest level of code is supported by the cluster solution before the update.

4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

- **FQXSPW0123M: PSU [SensorName] input failure has transitioned to critical from a less severe state.**

This message is for the use case when an implementation has detected that a sensor transitioned to critical from less severe.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Power  
SNMP Trap ID: 4  
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

1. For CRPS Premium:
  - a. Check the LEDs on the PSU. If IN and OUT LED are not lit, check power cord and input voltage.
  - b. If the problem persists, collect service data log.
  - c. Contact Lenovo Support.
2. For CRPS:
  - a. Check the LED on the PSU. If one PSU LED is green and the other PSU LED is yellow, check power cord and input voltage.
  - b. If the problem persists, collect service data log.
  - c. Contact Lenovo Support.

- **FQXSPPW0129I: PSU [SensorName] failure has transitioned to normal state.**

This message is for the use case when an implementation has detected that a sensor transitioned to the normal state.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Power  
SNMP Trap ID: 164  
CIM Prefix: PLAT CIM ID: 0518

User Action:

Information only; no action is required.

- **FQXSPPW0129N: CPU [ProcessorId] [VRName] has transitioned to non-recoverable.**

This message is for the use case when an implementation has detected that a processor non-recoverable fault has occurred.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Voltage  
SNMP Trap ID: 1  
CIM Prefix: PLAT CIM ID: 0853

User Action:

Complete the following steps until the problem is solved:

1. Perform virtual system reseal or A/C power cycle.
2. If the error persists, remove A/C power and any recently installed components.
3. If the system successfully powers on, complete the following steps:

- a. Check the ServerProven website (<https://serverproven.lenovo.com/>) to make sure that recently installed components are compatible with the system.
- b. Inspect the previously installed components for physical damage and fix it.
- c. If the system does not successfully power on or if this is not the first occurrence of this problem, go to step 4.
4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

- **FQXSPPW0130I: PSU [SensorName] prediction fault failure has transitioned to normal state.**

This message is for the use case when an implementation has detected that a sensor transitioned to the normal state.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: Warning - Power  
 SNMP Trap ID: 164  
 CIM Prefix: PLAT CIM ID: 0518

User Action:

Information only; no action is required.

- **FQXSPPW0131I: PSU [SensorName] input failure has transitioned to normal state.**

This message is for the use case when an implementation has detected that a sensor transitioned to the normal state.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: Warning - Power  
 SNMP Trap ID: 164  
 CIM Prefix: PLAT CIM ID: 0518

User Action:

Information only; no action is required.

- **FQXSPPW0131N: Peripheral device [DeviceName] powergood has transitioned to non-recoverable.**

This message is for the use case when an implementation has detected that a peripheral device non-recoverable fault has occurred.

Severity: Error  
 Serviceable: Yes  
 Automatically notify Support: No  
 Alert Category: Critical - Voltage  
 SNMP Trap ID: 1  
 CIM Prefix: PLAT CIM ID: 0855

User Action:

Complete the following steps until the problem is solved:

1. Perform virtual system reseal or A/C power cycle.
2. If the error persists, remove A/C power and any recently installed components.

3. If the system successfully powers on, complete the following steps:
  - a. Check the ServerProven website (<https://serverproven.lenovo.com/>) to make sure that recently installed components are compatible with the system.
  - b. Inspect the previously installed components for physical damage and fix it.
  - c. If the system does not successfully power on or if this is not the first occurrence of this problem, go to step 4.
4. If the system has stand-by power, collect service data logs.
5. Contact Lenovo Support.

- **FQXSPPW0132N: Fan [FanGroup] powergood has transitioned to non-recoverable.**

This message is for the use case when an implementation has detected a fan non-recoverable fault has occurred.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Voltage  
SNMP Trap ID: 1  
CIM Prefix: PLAT CIM ID: 0856

User Action:

Complete the following steps until the problem is solved:

1. Perform virtual system reseal or A/C power cycle.
2. If the error persists, remove A/C power and any recently installed components.
3. If the system successfully powers on, complete the following steps:
  - a. Check the ServerProven website (<https://serverproven.lenovo.com/>) to make sure that recently installed components are compatible with the system.
  - b. Inspect the previously installed components for physical damage and fix it.
  - c. If the system does not successfully power on or if this is not the first occurrence of this problem, go to step 4.
4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

- **FQXSPPW0133N: MB AUX powergood has transitioned to non-recoverable.**

This message is for the use case when an implementation has detected a MB AUX non-recoverable fault has occurred.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Voltage  
SNMP Trap ID: 1  
CIM Prefix: PLAT CIM ID: 0857

User Action:

Complete the following steps until the problem is solved::

1. Perform a virtual system reseal or A/C power cycle.
2. If the error persists, remove A/C power and any recently installed components.
3. If the system successfully powers on, complete the following steps:

- a. Check the ServerProven website (<https://serverproven.lenovo.com/>) to make sure that recently installed components are compatible with the system.
  - b. Inspect the previously installed components for physical damage and fix it.
  - c. If the system does not successfully power on or if this is not the first occurrence of this problem, go to step 4.
4. If the problem persists, collect service data log.
  5. Contact Lenovo Support.

- **FQXSPW0134M: CMOS battery voltage going low (lower critical) has asserted.**

This message is for the use case when an implementation has detected a lower critical sensor going low has asserted.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Voltage  
SNMP Trap ID: 1  
CIM Prefix: PLAT CIM ID: 0480

User Action:

Complete the following steps until the problem is solved:

1. Open the battery clip and carefully take the CMOS battery out of the socket. Wait for 20 seconds, and install this battery back to the socket.
2. Replace the system CMOS battery with a new one that meets Lenovo's specifications.
3. If the problem persists, collect service data logs.
4. Contact Lenovo Support.
5. Note: The RTC / UEFI settings may be cleared if the CMOS battery is removed.

- **FQXSPW0135J: Invalid redundancy config, current PSU config doesn't support Non-redundant mode.**

This message is for the use case when redundancy failed has asserted

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Redundant Power Supply  
SNMP Trap ID: 10  
CIM Prefix: PLAT CIM ID: 0901

User Action:

Complete the following steps until the problem is solved:

1. Check if the PSUs are installed correctly.
2. Check if the PSUs are supported by the platform.
3. If the problem persists, upgrade XCC, FPGA, and UEFI to the latest versions.
4. If the problem persists, collect the service data logs.
5. Contact Lenovo Support.
6. Note: This event is reported if only one CRPS PSU is installed on the system because CRPS PSU only supports the redundant mode.

- **FQXSPW2001I: Power supply [PowerSupplyId] has been removed.**

This message is for the use case when an implementation has detected that a power supply unit has been removed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0085

User Action:

Information only; no action is required.

- **FQXSPPW2002I: Power supply [PowerSupplyId] has returned to OK status.**

This message is for the use case when an implementation has detected that a power supply unit returns to normal operational status.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Power  
SNMP Trap ID: 4  
CIM Prefix: PLAT CIM ID: 0087

User Action:

Information only; no action is required.

- **FQXSPPW2003I: Failure no longer predicted on power supply [PowerSupplyId].**

This message is for the use case when an implementation has detected that a power supply unit failure is no longer predicted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Power  
SNMP Trap ID: 164  
CIM Prefix: PLAT CIM ID: 0089

User Action:

Information only; no action is required.

- **FQXSPPW2004I: Power supply [PowerSupplyId] has returned to a Normal Input State.**

This message is for the use case when an implementation has detected that a power supply unit that has input that has returned to normal.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0099

User Action:

Information only; no action is required.

- **FQXSPPW2005I: Power supply [PowerSupplyId] has returned to a Normal Input State.**

This message is for the use case when an implementation has detected that a power supply unit that has input that has returned to normal.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0099

User Action:

Information only; no action is required.

- **FQXSPPW2006I: Power supply [PowerSupplyId] has returned to a Normal Input State.**

This message is for the use case when an implementation has detected that a power supply unit that has input that has returned to normal.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0099

User Action:

Information only; no action is required.

- **FQXSPPW2007I: Power supply [PowerSupplyId] Configuration is OK.**

This message is for the use case when an implementation when a power supply unit configuration is OK.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Power  
SNMP Trap ID: 4  
CIM Prefix: PLAT CIM ID: 0105

User Action:

Information only; no action is required.

- **FQXSPPW2008I: Host power has been turned on.**

This message is for the use case when an implementation has detected that a power supply unit has been enabled.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Power On  
SNMP Trap ID: 24  
CIM Prefix: PLAT CIM ID: 0107

User Action:

Information only; no action is required.

- **FQXSPPW2009I: Power supply [PowerSupplyId] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]) has been removed.**

This message is for the use case when an implementation has detected that a power supply unit has been removed.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: PLAT CIM ID: 0085

User Action:

Information only; no action is required.

- **FQXSPPW2011I: Host power was restored.**

This message is for the use case when an implementation has detected a power was restore to the Power Unit.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: PLAT CIM ID: 0113

User Action:

Information only; no action is required.

- **FQXSPPW2015I: Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber])has returned to OK status.**

This message is for the use case when an implementation has detected that a power supply unit returns to normal operational status.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: Critical - Power  
 SNMP Trap ID: 4  
 CIM Prefix: PLAT CIM ID: 0087

User Action:

Information only; no action is required.

- **FQXSPPW2017I: Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber])has returned to a normal input state.**

This message is for the use case when an implementation has detected that a power supply unit that has input that has returned to normal.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: PLAT CIM ID: 0099

User Action:

Information only; no action is required.

- **FQXSPPW2031I: CMOS battery voltage going low (lower non-critical) has deasserted.**

This message is for the use case when an implementation has detected a lower non-critical sensor going low has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Voltage  
SNMP Trap ID: 13  
CIM Prefix: PLAT CIM ID: 0477

User Action:

Information only; no action is required.

- **FQXSPPW2057I: PSU [SensorName] prediction fault failure has deasserted the transition from normal to non-critical state.**

This message is for the use case when an implementation has detected that a sensor has deasserted a transition to non-critical from normal.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Power  
SNMP Trap ID: 164  
CIM Prefix: PLAT CIM ID: 0521

User Action:

Information only; no action is required.

- **FQXSPPW2061I: PSU [SensorName] failure has transitioned to a less severe state from critical.**

This message is for the use case when an implementation has detected that a sensor transitioned to less severe from critical.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Power  
SNMP Trap ID: 4  
CIM Prefix: PLAT CIM ID: 0523

User Action:

Information only; no action is required.

- **FQXSPPW2062I: PSU Mismatch has transitioned to a less severe state from critical.**

This message is for the use case when an implementation has detected that a sensor transitioned to less severe from critical.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Power

SNMP Trap ID: 4  
CIM Prefix: PLAT CIM ID: 0523

User Action:

Information only; no action is required.

- **FQXSPPW2063I: SysBrd voltage fault has transitioned to a less severe state from critical.**

This message is for the use case when an implementation has detected that a sensor transitioned to less severe from critical.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Voltage  
SNMP Trap ID: 1  
CIM Prefix: PLAT CIM ID: 0523

User Action:

Information only; no action is required.

- **FQXSPPW2101I: Redundancy Degraded for Power Resource has deasserted.**

This message is for the use case when redundancy degraded has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Redundant Power Supply  
SNMP Trap ID: 10  
CIM Prefix: PLAT CIM ID: 0805

User Action:

Information only; no action is required.

- **FQXSPPW2104I: Non-redundant:Sufficient Resources from Redundancy Degraded or Fully Redundant for Power Resource has deasserted.**

This message is for the use case when a redundancy set has transitioned from Non-redundant:Sufficient Resources.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Redundant Power Supply  
SNMP Trap ID: 10  
CIM Prefix: PLAT CIM ID: 0807

User Action:

Information only; no action is required.

- **FQXSPPW2110I: Non-redundant:Insufficient Resources for Power Resource has deasserted.**

This message is for the use case when a redundancy set has transitioned from Non-redundant:Insufficient Resources.

Severity: Info  
Serviceable: No  
Automatically notify Support: No

Alert Category: Critical - Redundant Power Supply  
SNMP Trap ID: 9  
CIM Prefix: PLAT CIM ID: 0811

User Action:

Information only; no action is required.

- **FQXSPPW2123I: PSU [SensorName] input failure has transitioned to a less severe state from critical.**

This message is for the use case when an implementation has detected that a sensor transitioned to less severe from critical.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Power  
SNMP Trap ID: 4  
CIM Prefix: PLAT CIM ID: 0523

User Action:

Information only; no action is required.

- **FQXSPPW2134I: CMOS battery voltage going low (lower critical) has deasserted.**

This message is for the use case when an implementation has detected a lower critical sensor going low has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Voltage  
SNMP Trap ID: 1  
CIM Prefix: PLAT CIM ID: 0481

User Action:

Information only; no action is required.

- **FQXSPPW2135I: Recovered from invalid PSU redundancy config.**

This message is for the use case when redundancy failed has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Redundant Power Supply  
SNMP Trap ID: 10  
CIM Prefix: PLAT CIM ID: 0902

User Action:

Information only; no action is required.

- **FQXSPSD0000I: The [DriveName] has been added.**

This message is for the use case when an implementation has detected that a drive has been added.

Severity: Info  
Serviceable: No  
Automatically notify Support: No

Alert Category: System - Drive Hotplug  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0162

User Action:

Information only; no action is required.

- **FQXSPSD0001L: The [DriveName] has a fault.**

This message is for the use case when an implementation has detected that a drive was disabled due to a fault.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: Yes  
Alert Category: Critical - Hard Disk drive  
SNMP Trap ID: 5  
CIM Prefix: PLAT CIM ID: 0164

User Action:

Complete the following steps until the problem is solved:

1. Reboot the system and confirm that the drive is still in failed state.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPSD0002G: Failure Predicted on [DriveName].**

This message is for the use case when an implementation has detected an array failure is predicted.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: Yes  
Alert Category: System - Predicted Failure  
SNMP Trap ID: 27  
CIM Prefix: PLAT CIM ID: 0168

User Action:

Complete the following steps until the problem is solved:

1. Reseat the drive.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPSD0002L: Drive [DriveLocation] in the enclosure/chassis(MTM-SN: [MachineSerialNumber]) has a fault.**

This message is for the use case when an implementation has detected that a drive was disabled due to a fault.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: Yes  
Alert Category: Critical - Hard Disk drive  
SNMP Trap ID: 5  
CIM Prefix: PLAT CIM ID: 0164

User Action:

Complete the following steps until the problem is solved:

1. Check Lenovo Support (<http://support.lenovo.com/>) for service bulletins and Tech Tips and firmware update related to your drive.
2. Look for any other RAID-related errors.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPSD0003G: Failure Predicted on drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]).**

This message is for the use case when an implementation has detected an array failure is predicted.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: Yes  
Alert Category: System - Predicted Failure  
SNMP Trap ID: 27  
CIM Prefix: PLAT CIM ID: 0168

User Action:

Complete the following steps until the problem is solved:

1. Reseat the drive.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPSD0003I: Hot Spare enabled with drive [DriveLocation].**

This message is for the use case when an implementation has detected a Hot Spare has been enabled.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0170

User Action:

Information only; no action is required.

- **FQXSPSD0005I: Hot Spare enabled for drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]).**

This message is for the use case when an implementation has detected a Hot Spare has been enabled.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0170

User Action:

Information only; no action is required.

- **FQXSPSD0007I: The [DriveName] is rebuilding.**

This message is for the use case when an implementation has detected that an array rebuild is in progress.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0178

User Action:

Information only; no action is required.

- **FQXSPSD0008I: Array rebuild in progress on drive [DriveLocation] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]).**

This message is for the use case when an implementation has detected that an array rebuild is in progress.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0178

User Action:

Information only; no action is required.

- **FQXSPSD2000I: The [DriveName] has been removed from unit [PhysicalPackageName].**

This message is for the use case when an implementation has detected that a drive has been removed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Drive Hotplug  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0163

User Action:

Complete the following steps until the problem is solved:

1. If the drive was intentionally removed, make sure that there is a filler in the drive bay.
2. Make sure that the drive is correctly seated.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPSD2001I: The [DriveName] has recovered from a fault.**

This message is for the use case when an implementation has detected that a drive was enabled.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Hard Disk drive  
SNMP Trap ID: 5  
CIM Prefix: PLAT CIM ID: 0167

User Action:

Information only; no action is required.

- **FQXSPSD2002I: Failure no longer Predicted on [DriveName].**

This message is for the use case when an implementation has detected an array failure is no longer predicted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Predicted Failure  
SNMP Trap ID: 27  
CIM Prefix: PLAT CIM ID: 0169

User Action:

Information only; no action is required.

- **FQXSPSD2003I: Hot Spare disabled with drive [DriveLocation].**

This message is for the use case when an implementation has detected a Hot Spare has been disabled.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0171

User Action:

Information only; no action is required.

- **FQXSPSD2007I: Rebuild completed on [DriveName].**

This message is for the use case when an implementation has detected that an array rebuild has completed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0179

User Action:

Information only; no action is required.

- **FQXSPSD2008I: Drive [DriveLocation] in the enclosure/chassis(MTM-SN: [MachineSerialNumber]) has recovered from a fault.**

This message is for the use case when an implementation has detected that a drive was enabled.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Hard Disk drive  
SNMP Trap ID: 5  
CIM Prefix: PLAT CIM ID: 0167

User Action:

Information only; no action is required.

- **FQXSPSD2011I: Failure no longer Predicted on drive [DriveLocation] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]).**

This message is for the use case when an implementation has detected an array failure is no longer predicted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Predicted Failure  
SNMP Trap ID: 27  
CIM Prefix: PLAT CIM ID: 0169

User Action:

Information only; no action is required.

- **FQXSPSD2012I: Hot Spare disabled for drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]).**

This message is for the use case when an implementation has detected a Hot Spare has been disabled.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0171

User Action:

Information only; no action is required.

- **FQXSPSD2015I: Array rebuild completed on drive [DriveLocation] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]).**

This message is for the use case when an implementation has detected that an array rebuild has completed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0179

User Action:

Information only; no action is required.

- **FQXSPSE0000F: The Chassis [ComputerSystemName] was opened.**

This message is for the use case when the chassis has been opened.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other

SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0004

User Action:

Complete the following steps until the problem is solved:

1. Reseat the chassis cover.
2. Check if the intrusion switch is present. If yes, inspect intrusion switch cable for damage and make sure that it is not loose.
3. Check the active events and confirm that the "chassis sensor" has de-asserted.
4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

- **FQXSPSE0010J: System Guard detected inventory mismatch with trusted snapshot.**

This message is for the use case when an implementation has detected that System Guard detected inventory mismatch with trusted snapshot.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0520

User Action:

Complete the following steps until the problem is solved:

1. If the user sets up the server for the first time after receiving the order, check with the seller whether there was a hardware change made since the system left Lenovo manufacturing. If the hardware change is expected, ignore this message or deassert the event as described in step 4. If the hardware change is not expected, report the issue to the seller.
2. If the user enables the System Guard feature after initial setup of hardware, check whether there are any hardware changes or hardware errors. If yes, resolve them first.
3. If the user enables the feature with the policy "Prevent OS booting (only on CPU and DIMM event)", UEFI boot would stop during POST and promote user input with warning on the POST screen. See System Guard User Guide for details.
4. To acknowledge the inventory change of hardware components, the user can disable System Guard, or manually capture a snapshot (after POST has completed) from XCC UI. See System Guard User Guide for details.
5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

- **FQXSPSE2000I: The Chassis [ComputerSystemName] was closed.**

This message is for the use case when a chassis has been closed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0005

User Action:

Information only; no action is required.

- **FQXSPSE2010I: System guard changed to compliant status.**

This message is for the use case when an implementation has detected that System Guard changed to compliant status.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0521

User Action:

Information only; no action is required.

- **FQXSPSE4000I: Certificate Authority [arg1] has detected a Certificate Error.**

This message is for the use case when there is an error with an SSL Server, SSL Client, or SSL Trusted CA Certificate.

Severity: Error  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0002

User Action:

Complete the following steps until the problem is solved:

1. Make sure that the certificate that you are importing is correct and properly generated.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPSE4001I: Remote Login Successful. Login ID: [arg1] using [arg2] from [arg3] at IP address [arg4].**

This message is for the use case where a user successfully logs in to a management controller.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0014

User Action:

Information only; no action is required.

- **FQXSPSE4002I: Security: Userid: [arg1] using [arg2] had [arg3] login failures from WEB client at IP address [arg4].**

This message is for the use case where a user has failed to log in to a management controller from a web browser.

Severity: Info  
Serviceable: No

Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0016

User Action:

Information only; no action is required.

- **FQXSPSE4003I: Security: Login ID: [arg1] had [arg2] login failures from CLI at [arg3].**

This message is for the use case where a user has failed to log in to a management controller from the legacy CLI.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0017

User Action:

Information only; no action is required.

- **FQXSPSE4004I: Remote access attempt failed. Invalid userid or password received. Userid is [arg1] from WEB browser at IP address [arg2].**

This message is for the use case where a remote user has failed to establish a remote control session from a web browser session.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0018

User Action:

Complete the following steps until the problem is solved:

1. Make sure that the correct login ID and password are being used.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPSE4006I: XCC detected an invalid SSL certificate in the Management Controller [arg1].**

This message is for the use case where a management controller has detected invalid SSL data in the configuration data and is clearing the configuration data region and disabling the SSL.

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0034

User Action:

Complete the following steps until the problem is solved:

1. Make sure that the certificate that you are importing is correct and properly generated / certificate CSR is correct
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPSE4007I: Security: Userid: [arg1] using [arg2] had [arg3] login failures from an SSH client at IP address [arg4].**

This message is for the use case where a user has failed to log in to a management controller from SSH.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Remote Login  
 SNMP Trap ID: 30  
 CIM Prefix: IMM CIM ID: 0041

User Action:

Complete the following steps until the problem is solved:

1. Make sure that the correct login ID and password are being used.
2. Have the system administrator reset the login ID or password.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPSE4008I: SNMPv1 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4], Address=[arg5] from [arg6] at IP address [arg7].**

A user changed the SNMP community string.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0075

User Action:

Information only; no action is required.

- **FQXSPSE4009I: LDAP Server configuration set by user [arg1]: AuthenticationOnly=[arg2], UseDNS=[arg3], ForestName=[arg4], DomainName=[arg5], Server1=[arg6], Server2=[arg7], Server3=[arg8], Server4=[arg9] from [arg10] at IP address [arg11].**

A user changed the LDAP server configuration.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0076

User Action:

Information only; no action is required.

- **FQXSPSE4010I: LDAP set by user [arg1]: Type=[arg2], RootDN=[arg3], UserSearchAttribute=[arg4], BindingMethod=[arg5], GroupFilter=[arg6], GroupSearchAttribute=[arg7], LoginAttribute=[arg8] from [arg9] at IP address [arg10].**

A user configured an LDAP Miscellaneous setting.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0077

User Action:

Information only; no action is required.

- **FQXSPSE4011I: Secure Web services (HTTPS) [arg1] by user [arg2] from [arg3] at IP address [arg4].**

A user enables or disables Secure web services.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0091

User Action:

Information only; no action is required.

- **FQXSPSE4013I: Secure LDAP [arg1] by user [arg2] from [arg3] at IP address [arg4].**

A user enables or disables Secure LDAP services.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0093

User Action:

Information only; no action is required.

- **FQXSPSE4014I: SSH [arg1] by user [arg2] from [arg3] at IP address [arg4].**

A user enables or disables SSH services.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0094

User Action:

Information only; no action is required.

- **FQXSPSE4015I: Global Login General Settings set by user [arg1]: AuthenticationMethod=[arg2], LockoutPeriod=[arg3], SessionTimeout=[arg4] from [arg5] at IP address [arg6].**

A user changes the Global Login General Settings.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0098

User Action:

Information only; no action is required.

- **FQXSPSE4016I: Global Login Account Security set by user [arg1]: ForceToChangePasswordOnFirstAccess=[arg2], ComplexPasswordRequired=[arg3], PasswordExpirationPeriod=[arg4], MinimumPasswordReuseCycle=[arg5], MinimumPasswordLength=[arg6], MinimumPasswordChangeInterval=[arg7], MaxmumLoginFailures=[arg8], LockoutAfterMaxFailures=[arg9] from [arg10] at IP address [arg11].**

A user changes the Global Login Account Security Settings.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0099

User Action:

Information only; no action is required.

- **FQXSPSE4022I: User [arg1] for SNMPv3 agent set: AuthenticationProtocol=[arg2], PrivacyProtocol=[arg3], AccessType=[arg4] by user [arg5] from [arg6] at IP address [arg7].**

A user account SNMPv3 settings changed.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0105

User Action:

Information only; no action is required.

- **FQXSPSE4023I: SSH Client key added for user [arg1] by user [arg2] from [arg3] at IP address [arg4].**

A user locally defined an SSH Client key.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0106

User Action:

Information only; no action is required.

- **FQXSPSE4024I: SSH Client key imported for user [arg1] from [arg2] by user [arg3] from [arg4] at IP address [arg5].**

A user imported an SSH Client key.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0107

User Action:

Information only; no action is required.

- **FQXSPSE4025I: SSH Client key removed from user [arg1] by user [arg2] from [arg3] at IP address [arg4].**

A user removed an SSH Client key.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0108

User Action:

Information only; no action is required.

- **FQXSPSE4028I: Security: Userid: [arg1] had [arg2] login failures from IPMI client at IP address [arg3].**

This message is for the use case where a user has failed to log in to a management controller from IPMI.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0153

User Action:

Information only; no action is required.

- **FQXSPSE4029I: Security: Userid: [arg1] had [arg2] login failures from SNMP client at IP address [arg3].**

This message is for the use case where a user has failed to access a management controller from SNMP.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0154

User Action:

Information only; no action is required.

- **FQXSPSE4032I: Login ID: [arg1] from [arg2] at IP address [arg3] has logged off.**

This message is for the use case where a user has logged off a management controller.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0157

User Action:

Information only; no action is required.

- **FQXSPSE4034I: User [arg1] has removed a certificate from [arg2] at IP address [arg3].**

A user removed a certificate.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0164

User Action:

Information only; no action is required.

- **FQXSPSE4035I: A certificate has been revoked.**

A certificate has been revoked.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0165

User Action:

Information only; no action is required.

- **FQXSPSE4036I: The [arg1] certificate is expired and has been removed.**

Expired certificate has been removed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0190

User Action:

Information only; no action is required.

- **FQXSPSE4038I: Minimum TLS level modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

Minimum TLS level modified.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0219

User Action:

Information only; no action is required.

- **FQXSPSE4039I: Temporary user account [arg1] is created by inband tool.**

A temporary user account is created.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0228

User Action:

Information only; no action is required.

- **FQXSPSE4040I: Temporary user account [arg1] expires.**

A temporary user account expires.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0229

User Action:

Information only; no action is required.

- **FQXSPSE4042I: The third-party password function [arg1] by user [arg2] from [arg3] at IP address [arg4].**

This message is for the use case where a user successfully switches the third-party password function.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0238

User Action:

Information only; no action is required.

- **FQXSPSE4043I: Retrieving the third-party password [arg1] by user [arg2] from [arg3] at IP address [arg4].**

This message is for the use case where a user successfully switches the retrieving the third-party password.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0239

User Action:

Information only; no action is required.

- **FQXSPSE4044I: User [arg1] third-party hashed password has been [arg2] by user [arg3] from [arg4] at IP address [arg5].**

This message is for the use case where a user successfully manages the third-party hashed password.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0240

User Action:

Information only; no action is required.

- **FQXSPSE4045I: The Salt of user [arg1] third-party password has been [arg2] by user [arg3] from [arg4] at IP address [arg5].**

This message is for the use case where a user successfully manages the third-party password salt.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0241

User Action:

Information only; no action is required.

- **FQXSPSE4046I: The third-party password of the user [arg1] has been retrieved by user [arg2] from [arg3] at IP address [arg4].**

This message is for the use case where a user successfully retrieving the third-party password.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0242

User Action:

Information only; no action is required.

- **FQXSPSE4047I: Role [arg1] is [arg2] and assigned with custom privileges [arg3] by user [arg4] from [arg5] at IP address [arg6].**

A role is created, modified and assigned.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0246

User Action:

Information only; no action is required.

- **FQXSPSE4048I: Role [arg1] is removed by user [arg2] from [arg3] at IP address [arg4].**

A role is removed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0247

User Action:

Information only; no action is required.

- **FQXSPSE4049I: Role [arg1] is assigned to user [arg2] by user [arg3] from [arg4] at IP address [arg5].**

A role is assigned.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0248

User Action:

Information only; no action is required.

- **FQXSPSE4050I: [arg1] sent IPMI command from [arg2], raw data: [arg3][arg4][arg5].**

This message is for the use case where IPMI command to be sent.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0251

User Action:

Information only; no action is required.

- **FQXSPSE4051I: Management Controller [arg1] joined the neighbor group [arg2] by user [arg3] from [arg4] at IP address [arg5].**

This message is for the use case where MC joins a group.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0261

User Action:

Information only; no action is required.

- **FQXSPSE4052I: The password of neighbor group [arg1] is modified by [arg2] [arg3] from [arg4] at IP address [arg5].**

This message is for the use case where the group user password is modified.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0262

User Action:

Information only; no action is required.

- **FQXSPSE4053I: Management Controller [arg1] left the neighbor group [arg2] by user [arg3] from [arg4] at IP address [arg5].**

This message is for the use case where MC leaves a group.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0263

User Action:

Information only; no action is required.

- **FQXSPSE4054I: IPMI SEL wrapping mode is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

IPMI SEL wrapping mode is changed.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0264

User Action:

Information only; no action is required.

- **FQXSPSE4055I: SED encryption is enabled by user [arg1] from [arg2] at IP address [arg3].**

SED encryption is enabled.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0265

User Action:

Information only; no action is required.

- **FQXSPSE4056I: SED AK is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

SED AK is regenerated or recovered.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0266

User Action:

Information only; no action is required.

- **FQXSPSE4057I: User [arg1] created by user [arg2] from [arg3] at IP address [arg4].**

A user account was created by a user.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0267

User Action:

Information only; no action is required.

- **FQXSPSE4058I: User [arg1] removed by user [arg2] from [arg3] at IP address [arg4].**

A user account was deleted by a user.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0268

User Action:

Information only; no action is required.

- **FQXSPSE4059I: User [arg1] password modified by user [arg2] from [arg3] at IP address [arg4].**

A user account was changed by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0269

User Action:

Information only; no action is required.

- **FQXSPSE4060I: User [arg1] role set to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

A user account role assigned by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0270

User Action:

Information only; no action is required.

- **FQXSPSE4061I: User [arg1] custom privileges set: [arg2] by user [arg3] from [arg4] at IP address [arg5].**

User account privileges assigned by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0271

User Action:

Information only; no action is required.

- **FQXSPSE4062I: The system guard snapshot is captured by user [arg1] from [arg2] at IP address [arg3].**

The system guard snapshot is captured by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0278

User Action:

Information only; no action is required.

- **FQXSPSE4063I: The system guard configuration is updated: status=[arg1], hardware inventory=[arg2] and action=[arg3] by user [arg4] from [arg5] at IP address [arg6].**

The system guard configuration is updated by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0279

User Action:

Information only; no action is required.

- **FQXSPSE4064I: SNMPv3 engine ID is changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

SNMPv3 engine ID changed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0282

User Action:

Information only; no action is required.

- **FQXSPSE4065I: SFTP [arg1] by user [arg2] from [arg3] at IP address [arg4].**

A user enables and disables SFTP service.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0283

User Action:

Information only; no action is required.

- **FQXSPSE4066I: Security mode is modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

Security mode modified by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0284

User Action:

Information only; no action is required.

- **FQXSPSE4067I: User [arg1] accessible interfaces is set to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

User account accessible interfaces assigned by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0285

User Action:

Information only; no action is required.

- **FQXSPSE4068I: Security: Userid: [arg1] using [arg2] had [arg3] login failures from Redfish client at IP address [arg4].**

This message is for the use case where a user has failed to log in to a management controller from Redfish.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0289

User Action:

Information only; no action is required.

- **FQXSPSE4069I: LDAP set by user [arg1]: RootDN=[arg2], UIDSearchAttribute=[arg3], BindingMethod=[arg4], TargetName=[arg5], GroupFilter=[arg6], GroupAttribute=[arg7], LoginAttribute=[arg8] from [arg9] at IP address [arg10].**

A user configured an LDAP Miscellaneous setting.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0290

User Action:

Information only; no action is required.

- **FQXSPSE4074I: Security mode downgrades because the XCC3 Premier Upgrade key is expired or deleted.**

This message is for the use case where security mode downgrades because XCC3 Premier Upgrade key is expired or deleted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0300

User Action:

Information only; no action is required.

- **FQXSPSE4079I: The Operator role is [arg1] to contain Remote Console Access permission by user [arg2] from [arg3] at IP address [arg4].**

Update privilege to enable/disable Operator to access Remote Console.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0322

User Action:

Information only; no action is required.

- **FQXSPSE4080I: The user [arg1] attempts to clear CMOS from [arg2] at IP address [arg3].**

A user attempts to clear CMOS.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0323

User Action:

Information only; no action is required.

- **FQXSPSE4081I: BMC returns the valid local cached key to UEFI for SED drives.**

This message is for the use case where BMC returns the local cached key to UEFI for SED drives.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0327

User Action:

Information only; no action is required.

- **FQXSPSE4082I: Remote key management server is inaccessible.**

This message is for the use case where remote key management server is inaccessible.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0330

User Action:

Information only; no action is required.

- **FQXSPSE4083I: The local cached key has expired and destroyed it.**

This message is for the use case where the local cached key has expired and been destroyed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0331

User Action:

Information only; no action is required.

- **FQXSPSE4084I: Periodic connection to remote key management server succeeded.**

This message is for the use case where the remote key management server poll function has succeeded.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0332

User Action:

Information only; no action is required.

- **FQXSPSE4085I: Periodic connection to remote key management server failed.**

This message is for the use case where the remote key management server poll function has failed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0333

User Action:

Information only; no action is required.

- **FQXSPSE4091I: SNMPv2 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4], Address=[arg5].**

A user changed the SNMP community string.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0339

User Action:

Information only; no action is required.

- **FQXSPSE4092I: SNMPv1 Community-1 set by user [arg1]: Name=[arg2], AccessType=trap from [arg3] at IP address [arg4].**

A user changed the SNMPv1 community name.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0345

User Action:

Information only; no action is required.

- **FQXSPSE4093I: SNMPv1 Community-1 set by user [arg1]: address=[arg2] from [arg3] at IP address [arg4].**

A user changed the SNMPv1 community address.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0346

User Action:

Information only; no action is required.

- **FQXSPSE4094I: SNMPv2 Community-1 set by user [arg1]: Name=[arg2], AccessType=trap from [arg3] at IP address [arg4].**

A user changed the SNMPv2 community name.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0347

User Action:

Information only; no action is required.

- **FQXSPSE4095I: SNMPv2 Community-1 set by user [arg1]: address=[arg2] from [arg3] at IP address [arg4].**

A user changed the SNMPv1 community address.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0348

User Action:

Information only; no action is required.

- **FQXSPSE4096I: User [arg1] for SNMPv3 trap set: AuthenticationProtocol=[arg2], PrivacyProtocol=[arg3], HostforTraps=[arg4] by user [arg5] from [arg6] at IP address [arg7].**

SNMPv3 trap user settings is changed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0350

User Action:

Information only; no action is required.

- **FQXSPSE4097I: User [arg1] for SNMPv3 trap is deleted by user [arg2] from [arg3] at IP address [arg4].**

SNMPv3 trap user is deleted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0351

User Action:

Information only; no action is required.

- **FQXSPSE4098I: Security: Userid: [arg1] failed to login from [arg2] at IP address [arg3].**

This message is for the use case where a non-local user has failed to access a management controller by SSH, Web, Redfish and IPMI over Lan.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0353

User Action:

Information only; no action is required.

- **FQXSPSE4129I: Security: Userid: [arg1] failed to login from SNMP client at IP address [arg2].**

This message is for the use case where a user has failed to access a management controller from SNMP.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0349

User Action:

Information only; no action is required.

- **FQXSPSS0012G: [System] cannot detect [DeviceName].**

This message is for the use case when an implementation has detected that a device cannot be detected.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0865

User Action:

Complete the following steps until the problem is solved:

1. Power off the server, disconnect the AC power cable and reconnect affected adapter and riser card.
2. If the problem persists, upgrade XCC, FPGA, and UEFI to the latest versions.
3. If the problem persists, collect service data logs.
4. Contact Lenovo Support.

- **FQXSPSS4000I: Management Controller Test Alert Generated by [arg1] from [arg2] at IP address [arg3].**

This message is for the use case where a user has generated a Test Alert.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0040

User Action:

Information only; no action is required.

- **FQXSPSS4001I: Server General Settings set by user [arg1]: Name=[arg2], Contact=[arg3], Location=[arg4], Room=[arg5], RackID=[arg6], Rack U-position=[arg7], Address=[arg8] from [arg9] at IP address [arg10].**

A user configured the Location setting.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0080

User Action:

Information only; no action is required.

- **FQXSPSS4002I: License key for [arg1] added by user [arg2] from [arg3] at IP address [arg4].**

A user installs License Key.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0096

User Action:

Information only; no action is required.

- **FQXSPSS4003I: License key for [arg1] removed by user [arg2] from [arg3] at IP address [arg4].**

A user removes a License Key.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0097

User Action:

Information only; no action is required.

- **FQXSPSS4004I: Test Call Home Generated by user [arg1] from [arg2] at IP address [arg3].**

Test Call Home generated by a user.

Severity: Info  
Serviceable: No  
Automatically notify Support: Yes  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0134

User Action:

Information only; no action is required.

- **FQXSPSS4006I: Call Home to [arg1] failed to complete: [arg2].**

Call Home failed to complete.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0195

User Action:

Information only; no action is required.

- **FQXSPSS4007I: The BMC functionality tier is changed from [arg1] to [arg2].**

Tier changed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0222

User Action:

Information only; no action is required.

- **FQXSPSS4008I: The UEFI setting has been changed by user [arg1] from address [arg2]. A total of [arg3] items were changed in the request.**

The setting has been changed by a user.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0225

User Action:

Information only; no action is required.

- **FQXSPSS4009I: System enters LXPM maintenance mode.**

The system enters maintenance mode.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0226

User Action:

Information only; no action is required.

- **FQXSPSS4010I: Test Audit Log generated by user [arg1] from [arg2] at IP address [arg3].**

This message is for the use case where test Audit Log is generated.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0237

User Action:

Information only; no action is required.

- **FQXSPSS4011I: Fan speed boost setting is changed from [arg1] to [arg2].**

The setting of fan speed boost is changed.

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0254

User Action:

Information only; no action is required.

- **FQXSPSS4012I: The [arg1] setting has been changed to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

The setting has been changed by user.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0354

User Action:

Information only; no action is required.

- **FQXSPTR4001I: Date and Time set by user [arg1]: Date=[arg2], Time=[arg3], DST Auto-adjust=[arg4], Timezone=[arg5] from [arg6] at IP address [arg7].**

A user configured the Date and Time settings.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0079

User Action:

Information only; no action is required.

- **FQXSPTR4002I: Synchronize time setting by user [arg1]: Mode=Sync with NTP Server, NTPServerHost1=[arg2],NTPServerHost2=[arg3],NTPServerHost3=[arg4],NTPServerHost4=[arg5], NTPUpdateFrequency=[arg6] from [arg7] at IP address [arg8].**

A user configured the Date and Time synchronize settings.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0085

User Action:

Information only; no action is required.

- **FQXSPTR4003I: Synchronize time setting by user [arg1]: Mode=Sync with server clock from [arg2] at IP address [arg3].**

A user configured the Date and Time synchronize settings.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0224

User Action:

Information only; no action is required.

- **FQXSPUN0009G: BMC firmware corruption is detected.**

This message is for the use case when an implementation has detected a sensor has asserted.

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0508

User Action:

Complete the following steps until the problem is solved:

1. Try to access the XCC by original IP. If networking does not have response, try to access the XCC by default IP directly through dedicated XCC management port. If none of the above external IP worked, try the in band IP: 169.254.95.120 with lanoverusb enabled in OS.
2. If XCC is accessible by the following the item#1, update the XCC both primary/2nd bank FW.
3. If XCC is not accessible, reboot the system.
4. Press F1 or use LXPM to do XCC firmware update.
5. If the problem persists, collect service data logs.
6. Contact Lenovo Support.

- **FQXSPUN0017I: The cooling liquid has stopped leaking and transitioned to normal state with sensor [DripName].**

This message is for the use case when an implementation has detected liquid is not leaking anymore for chassis drip or tray drip.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0894

User Action:

Information only; no action is required.

- **FQXSPUN0026I: Low Security Jumper is enabled.**

This message is for the use case when an implementation has detected a device was inserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0536

User Action:

Information only; no action is required.

- **FQXSPUN0048I: The RAID controller in PCI slot [PCILocation] in optimal status.**

This message is for the use case when an implementation has detected that a sensor transitioned to the normal state.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0518

User Action:

Information only; no action is required.

- **FQXSPUN0049J: The RAID controller in PCIe slot [PCILocation] is in warning status. At least one physical drive is in unconfigured bad state.**

This message is for the use case when an implementation has detected that a sensor transitioned to non-critical from normal.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0520

User Action:

Complete the following steps until the problem is solved:

1. Review RAID logs to understand why the drive is on U\_BAD state.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPUN0050M: The RAID controller in PCIe slot [PCILocation] is in critical state. Volume [VolumeID] is offline.**

This message is for the use case when an implementation has detected that a sensor transitioned to critical from less severe.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

1. Check if the configured drives are present and they are properly connected.
2. Go to system setup and check if the devices are displayed in UEFI/XCC.
3. Ensure that the drives are spun-up and have power supplied to them.
4. If there is a backplane, check the connectors to ensure that power is being supplied to the drives.
5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

- **FQXSPUN0051J: The RAID controller in PCIe slot [PCILocation] has asserted a warning. Foreign configuration is detected.**

This message is for the use case when an implementation has detected that a sensor transitioned to non-critical from normal.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0520

User Action:

Complete the following steps until the problem is solved:

1. This is a general event when a sensor (any type) transitions from normal to a non-critical state.  
Monitor the sensor and if it transitions to critical state,
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPUN0053M: The RAID controller in PCIe slot [PCILocation] is in critical status. At least one physical drive is failed.**

This message is for the use case when an implementation has detected that a sensor transitioned to critical from less severe.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

1. Reseat the drive.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPUN0054M: The RAID controller in PCIe slot [PCILocation] is in critical status. Volume [VolumeID] is degraded.**

This message is for the use case when an implementation has detected that a sensor transitioned to critical from less severe.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

1. Reseat the drive.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPUN0055M: The RAID controller in PCIe slot [PCILocation] is in critical state. Battery is in non-optimal state.**

This message is for the use case when an implementation has detected that a sensor transitioned to critical from less severe.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

1. Check whether a RAID battery is installed and attached.
2. If no RAID battery is installed, please ignore this message.
3. If a RAID battery is installed, check the RAID battery for air flow obstruction and ensure that battery cables are properly connected.
4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

- **FQXSPUN0057I: The RAID controller in PCI slot [PCILocation] does not have a battery.**

This message is for the use case when an implementation has detected a RAID controller does not have a battery.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0532

User Action:

Information only; no action is required.

- **FQXSPUN0058J: The remaining life of [DriveName] is lower than the warning threshold ([ThresholdValue]).**

This message is for the use case when an implementation has detected the remaining life of any one of the drives in the system is lower than the defined threshold.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0520

User Action:

Complete the following steps until the problem is solved:

1. Reseat the drive.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPUN0059J: RoT attestation has detected a failure.**

This message is for the use case when an implementation has detected that a sensor transitioned to non-critical from normal.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0520

User Action:

Complete the following steps until the problem is solved:

1. Perform virtual system reseal or A/C power cycle.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPUN0060G: RoT mismatch has asserted.**

This message is for the use case when an implementation has detected a sensor has asserted.

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0508

User Action:

Complete the following steps until the problem is solved:

1. Check whether the system I/O board was moved from another system.
2. If yes, move the original one back.
3. If the problem persists, collect service data logs.
4. Contact Lenovo Support.

- **FQXSPUN0061I: System Maintenance Mode has asserted.**

This message is for the use case when an implementation has detected a sensor has asserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0508

User Action:

Information only; no action is required.

- **FQXSPUN0062I: SMI Timeout has asserted.**

This message is for the use case when an implementation has detected a sensor has asserted.

Severity: Info  
Serviceable: No

Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0508

User Action:

Complete the following steps until the problem is solved:

1. If the server is constantly rebooting, perform a virtual reseal or A/C cycle on the server.
2. If the problem persists, collect service data logs.
3. Contact Lenovo Support.

- **FQXSPUN0063I: PSU heavy load has asserted.**

This message is for the use case when an implementation has detected a sensor has asserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0508

User Action:

Information only; no action is required.

- **FQXSPUN0065J: UEFI firmware authentication failure is detected.**

This message is for the use case when an implementation has detected that a fatal motherboard failure in the system.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0520

User Action:

Complete the following steps until the problem is solved:

1. Check if there is a de-asserted event (FQXSPUN2065I) triggered after this event is asserted before entering the OS.
2. If yes, ignore this event because this problem is fixed by a recovery algorithm.
3. If not, Update UEFI firmware to the latest version and power cycle the system.

**Note:** Check XCC minimum dependency documented in change history before loading new UEFI build.

4. If the problem persists, update XCC firmware to the latest version and A/C power cycle the system.
5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

- **FQXSPUN0067M: Failed to automatically recover UEFI firmware from authentication failure.**

This message is for the use case when an implementation has detected that a sensor transitioned to critical from less severe.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

1. Update UEFI firmware and power cycle the system.

**Note:** Check XCC minimum dependency documented in change history before loading new UEFI build.

2. If the problem persists, update XCC firmware to the latest and A/C power cycle the system.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPUN0068M: [DriveName] Mismatch has transitioned to critical from a less severe state.**

This message is for the use case when an implementation has detected that a sensor transitioned to critical from less severe.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

1. Make sure that the type of drives is supported by the system configuration and is correct for the specific drive slot.
2. Power off the system and do virtual AC cycle through XCC/BMC.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPUN0069M: The remaining life of [DriveName] is lower than the critical threshold ([ThresholdValue]).**

This message is for the use case when an implementation has detected the remaining life of any one of the drives in the system is lower than the defined threshold.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0520

User Action:

Complete the following steps until the problem is solved:

1. Reseat the drive.

2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPUN2012I: BMC firmware corrupted has deasserted.**

This message is for the use case when an implementation has detected a sensor has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0509

User Action:

Information only; no action is required.

- **FQXSPUN2026I: Low Security Jumper is disabled.**

This message is for the use case when an implementation has detected a device was removed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0537

User Action:

Information only; no action is required.

- **FQXSPUN2049I: The RAID controller in PCI slot [PCILocation] is no longer in warning status.**

This message is for the use case when an implementation has detected that a sensor has deasserted and transitioned to non-critical from normal.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0521

User Action:

Information only; no action is required.

- **FQXSPUN2050I: The RAID controller in PCI slot [PCILocation] is no longer in critical status.**

This message is for the use case when an implementation has detected that a sensor transitioned to less severe from critical.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0523

User Action:

Information only; no action is required.

- **FQXSPUN2057I: The RAID controller in PCI slot [PCILocation] has a battery now.**

This message is for the use case when an implementation has detected that a RAID controller has a battery.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0533

User Action:

Information only; no action is required.

- **FQXSPUN2058I: The remaining life for all SSDs is above threshold [ThresholdValue].**

This message is for the use case when an implementation has detected that the remaining life for all SSDs is above threshold.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0521

User Action:

Information only; no action is required.

- **FQXSPUN2061I: System Maintenance Mode has deasserted.**

This message is for the use case when an implementation has detected that a sensor acoustic mode has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0509

User Action:

Information only; no action is required.

- **FQXSPUN2062I: SMI Timeout has deasserted.**

This message is for the use case when an implementation has detected that a sensor acoustic mode has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0509

User Action:

Information only; no action is required.

- **FQXSPUN2063I: PSU heavy load has deasserted.**

This message is for the use case when an implementation has detected that a sensor acoustic mode has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0509

User Action:

Information only; no action is required.

- **FQXSPUN2065I: UEFI firmware is automatically recovered from authentication failure.**

This message is for the use case when an implementation has detected that UEFI firmware is automatically recovered from authentication failure.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0521

User Action:

Information only; no action is required.

- **FQXSPUN2067I: UEFI firmware is manually recovered from authentication failure.**

This message is for the use case when an implementation has detected that a sensor transitioned to less severe from critical.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0523

User Action:

Information only; no action is required.

- **FQXSPUN2068I: [DriveName] Mismatch has transitioned to a less severe state from critical.**

This message is for the use case when an implementation has detected that a sensor transitioned to less severe from critical.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0523

User Action:

Information only; no action is required.

- **FQXSPUP0002I: A firmware or software change occurred on system [ComputerSystemName].**

This message is for the use case when an implementation has detected that the firmware or software changed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0438

User Action:

Complete the following steps until the problem is solved:

1. Update primary XCC firmware image and restart management controller (XCC).
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPUP0007L: BMC primary firmware is corrupted, auto fail over to backup.**

This message is for the use case when an implementation has detected an Invalid/Unsupported Firmware/Software Version.

Severity: Warning  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0446

User Action:

Complete the following steps until the problem is solved:

1. Flash XCC firmware to the latest level and reboot system.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.
4. Note: The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up the TPM Encryption Recovery Key.

- **FQXSPUP4003I: [arg1] firmware mismatch internal to system [arg2]. Please attempt to flash the [arg3] firmware.**

This message is for the use case where a specific type of firmware mismatch has been detected.

Severity: Error  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0042

User Action:

Complete the following steps until the problem is solved:

1. AC cycle the system.

2. Reflash XCC/BMC firmware to the latest version.

**Note:** Some cluster solutions require specific code levels or coordinated code updates. If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before you update the code.

3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPUP4006I: Auto promote primary XCC to backup is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

Auto promote primary XCC to backup is enabled or disabled.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0281

User Action:

Information only; no action is required.

- **FQXSPUP4007I: Violation access to XCC SPI flash is detected and isolated.**

This message is for the use case where violation access to XCC SPI flash is detected and isolated.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0298

User Action:

Complete the following steps until the problem is solved:

1. Check for presence of hardware tampering or unauthorized physical access to the server.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPUP4008I: Violation access to UEFI SPI flash is detected and isolated.**

This message is for the use case where violation access to UEFI SPI flash is detected and isolated.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0299

User Action:

Complete the following steps until the problem is solved:

1. Check for presence of hardware tampering, unauthorized physical access to the server, or presence of any malware in host OS trying to write to UEFI flash memory.
2. If the problem persists, collect service data log.

3. Contact Lenovo Support.

- **FQXSPUP4009I: Please ensure that the system is flashed with the correct [arg1] firmware. The Management Controller is unable to match the firmware to the server.**

This message is for the use case where a firmware version does not match the server.

Severity: Error  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0324

User Action:

Complete the following steps until the problem is solved:

1. Check the firmware package is correct.
2. Reboot XCC and flash the firmware again.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPUP4010I: Update [arg1] of [arg2] from [arg3] succeeded for user [arg4].**

This message is for the use case where a user has successfully flashed the firmware component (MC Main Application, MC Boot ROM, BIOS, Diagnostics, System Power Backplane, Remote Expansion Enclosure Power Backplane, Integrated System Management).

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0325

User Action:

Information only; no action is required.

- **FQXSPUP4011I: Update [arg1] of [arg2] from [arg3] failed for user [arg4].**

This message is for the use case where a user has not flashed the firmware component from the interface and IP address due to a failure.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0326

User Action:

Information only; no action is required.

- **FQXSPWD0000I: Watchdog Timer expired for [WatchdogName].**

This message is for the use case when an implementation has detected a Watchdog Timer Expired.

Severity: Info  
Serviceable: No

Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0368

User Action:

Information only; no action is required.

- **FQXSPWD0001I: Reboot of system [ComputerSystemName] initiated by watchdog [WatchdogName].**

This message is for the use case when an implementation has detected that a reboot by Watchdog occurred.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0370

User Action:

Information only; no action is required.

- **FQXSPWD0002I: Powering off system [ComputerSystemName] initiated by watchdog [WatchdogName].**

This message is for the use case when an implementation has detected that a power-off by Watchdog has occurred.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0372

User Action:

Information only; no action is required.

- **FQXSPWD0003I: Power cycle of system [ComputerSystemName] initiated by watchdog [WatchdogName].**

This message is for the use case when an implementation has detected that a power-cycle by Watchdog occurred.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0374

User Action:

Information only; no action is required.

- **FQXSPWD0004I: Watchdog Timer interrupt occurred for [WatchdogName].**

This message is for the use case when an implementation has detected that a Watchdog Timer interrupt occurred.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0376

User Action:

Information only; no action is required.



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## Chapter 3. UEFI events

UEFI error messages can be generated when the server starts up (POST) or while the server is running. UEFI error messages are logged in the Lenovo XClarity Controller event log in the server.

For each event code, the following fields are displayed:

### Event identifier

An identifier that uniquely identifies an event.

### Event description

The logged message string that appears for an event.

### Explanation

Provides additional information to explain why the event occurred.

### Severity

An indication of the level of concern for the condition. The severity is abbreviated in the event log to the first character. The following severities can be displayed:

- **Informational.** The event was recorded for audit purposes, usually a user action or a change of states that is normal behavior.
- **Warning.** The event is not as severe as an error, but if possible, the condition should be corrected before it becomes an error. It might also be a condition that requires additional monitoring or maintenance.
- **Error.** The event is a failure or critical condition that impairs service or an expected function.

### User Action

Indicates what actions you should perform to solve the event. Perform the steps listed in this section in the order shown until the problem is solved. If you cannot solve the problem after performing all steps, contact Lenovo Support.

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## UEFI events organized by severity

The following table lists all UEFI events, organized by severity (Information, Error, and Warning).

Table 3. Events organized by severity

| Event ID     | Message String                                                                                                                                           | Severity      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSFIO0005I | An intra-board UPI has been disabled on the link between processor [arg1] port [arg2] and processor [arg3]port [arg4] because of UPI topology downgrade. | Informational |
| FQXSFIO0006I | An inter-board UPI has been disabled on the link between processor [arg1] port [arg2] and processor [arg3]port [arg4] because of UPI topology downgrade. | Informational |
| FQXSFIO0021I | PCIe DPC software triggering occurred in physical [arg1] number [arg2].                                                                                  | Informational |
| FQXSFMA0001I | DIMM [arg1] Disable has been recovered. [arg2]                                                                                                           | Informational |
| FQXSFMA0006I | [arg1] DIMM [arg2] has been detected, the DIMM serial number is [arg3].                                                                                  | Informational |

Table 3. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                      | Severity      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSFMA0007I | [arg1] DIMM number [arg2] has been replaced. [arg3]                                                                                                 | Informational |
| FQXSFMA0008I | DIMM [arg1] POST memory test failure has been recovered. [arg2]                                                                                     | Informational |
| FQXSFMA0009I | Invalid memory configuration for Mirror Mode has been recovered.                                                                                    | Informational |
| FQXSFMA0026I | DIMM [arg1] Self-healing, attempt post-package repair (PPR) succeeded. [arg2]                                                                       | Informational |
| FQXSFMA0027I | Invalid memory configuration (unsupported DIMM Population) recovered.                                                                               | Informational |
| FQXSFMA0029I | The PFA of DIMM [arg1] has been deasserted after applying PPR for this DIMM. [arg2]                                                                 | Informational |
| FQXSFMA0052I | DIMM [arg1] has been disabled due to the error on DIMM [arg2].[arg3]                                                                                | Informational |
| FQXSFMA0053I | DIMM [arg1] re-enabled due to memory module combination updating.                                                                                   | Informational |
| FQXSFMA0056I | Uncorrected memory error occurred on DIMM [arg1] has been deasserted after performing post package repair. DIMM identifier is [arg2].               | Informational |
| FQXSFMA0063I | A correctable memory error handled by ADDDC on DIMM [arg1]. DIMM identifier is [arg2].                                                              | Informational |
| FQXSFMA0065I | Multi-bit CE of DIMM [arg1] has been deasserted after performing post package repair. DIMM identifier is [arg2].                                    | Informational |
| FQXSFMA0067I | Errors per row counter threshold limit exceeded on DIMM [arg1] has been deasserted after performing post package repair. DIMM identifier is [arg2]. | Informational |
| FQXSFMA0079I | NVRAM [arg1] corruption detected and recovered.                                                                                                     | Informational |
| FQXSFMA0080I | Runtime soft post package repair succeeded on DIMM [arg1].[arg2]                                                                                    | Informational |
| FQXSFMA0096I | Memory mode has been recovered to [arg1].                                                                                                           | Informational |
| FQXSFP00025I | The default system settings have been restored.                                                                                                     | Informational |
| FQXSFP04034I | TPM Firmware recovery is finished, rebooting system to take effect.                                                                                 | Informational |
| FQXSFP04038I | TPM Firmware recovery successful.                                                                                                                   | Informational |
| FQXSFP04041I | TPM Firmware update is in progress. Please DO NOT power off or reset system.                                                                        | Informational |
| FQXSFP04042I | TPM Firmware update is finished, rebooting system to take effect.                                                                                   | Informational |
| FQXSFP04044I | The current TPM firmware version could not support TPM version toggling.                                                                            | Informational |
| FQXSFP04062I | CPU debugging is deactivated.                                                                                                                       | Informational |
| FQXSFP04080I | Host Power-On password has been changed.                                                                                                            | Informational |
| FQXSFP04081I | Host Power-On password has been cleared.                                                                                                            | Informational |
| FQXSFP04082I | Host Admin password has been changed.                                                                                                               | Informational |
| FQXSFP04083I | Host Admin password has been cleared.                                                                                                               | Informational |
| FQXSFP04084I | Host boot order has been changed.                                                                                                                   | Informational |

Table 3. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                                                             | Severity      |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FQXSFP4092I  | UEFI extra setting [arg1] is replaced by UEFI normal setting [arg2] after updating UEFI to [arg3].                                                                                                                                         | Informational |
| FQXSFP4094I  | UEFI extra settings exposure config file import successfully.                                                                                                                                                                              | Informational |
| FQXSFP4096I  | UEFI extra settings exposure config file is deleted and all UEFI extra settings are unset.                                                                                                                                                 | Informational |
| FQXSFSR0002I | [arg1] GPT corruption recovered, DiskGUID: [arg2]                                                                                                                                                                                          | Informational |
| FQXSFSR0003I | Boot OS successfully.                                                                                                                                                                                                                      | Informational |
| FQXSFI00008M | An intra-board UPI dynamic link width reduction has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].                                                                                       | Warning       |
| FQXSFI00009M | An inter-board UPI dynamic link width reduction has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].                                                                                       | Warning       |
| FQXSFI00021J | PCIe Error Recovery has occurred in physical [arg1] number [arg2]. The [arg3] may not operate correctly.                                                                                                                                   | Warning       |
| FQXSFI00022J | PCIe Link Width has degraded from [arg1] to [arg2] in physical [arg3] number [arg4].                                                                                                                                                       | Warning       |
| FQXSFI00023J | PCIe Link Speed has degraded from [arg1] to [arg2] in physical [arg3] number [arg4].                                                                                                                                                       | Warning       |
| FQXSFI00024I | An error has been detected by the IEH on processor [arg1]. The type of IEH is [arg2]. The index of the IEH is [arg3]. The value of lehErrorStatus register is [arg4]. Please check error logs for additional downstream device error data. | Warning       |
| FQXSFI00025I | An error has been detected by the IIO on processor [arg1]. The index of the IIO stack is [arg2]. The type of IIO Internal Error is [arg3]. Please check error logs for additional downstream device error data.                            | Warning       |
| FQXSFI00036G | PCIe Correctable Error Threshold limit has been exceeded at Segment 0x[arg1] Bus 0x[arg2] Device 0x[arg3] Function 0x[arg4]. The Vendor ID for the device is 0x[arg5] and the Device ID is 0x[arg6]. The physical [arg7] number is [arg8]. | Warning       |
| FQXSFI00041J | PCIe Leaky Bucket Event : [arg1] occurred at Segment [arg2] Bus [arg3] Device [arg4] Function [arg5]. The physical [arg6] number is [arg7].                                                                                                | Warning       |
| FQXSFMA0026G | Multi-bit CE occurred on DIMM [arg1], need to restart the system for DIMM Self-healing to attempt post package repair (PPR).[arg2]                                                                                                         | Warning       |
| FQXSFMA0027G | Multi-bit CE occurred on DIMM [arg1] different rows.[arg2]                                                                                                                                                                                 | Warning       |
| FQXSFMA0027M | DIMM [arg1] Self-healing, attempt post-package repair (PPR) failed. [arg2]                                                                                                                                                                 | Warning       |
| FQXSFMA0028M | The number of post-package repair (PPR) attempts has reached the limit on DIMM [arg1]. [arg2]                                                                                                                                              | Warning       |
| FQXSFMA0029G | DIMM [arg1] Self-healing, attempt post-package repair (PPR) failed: Spare rows for repair are out of resource. [arg2]                                                                                                                      | Warning       |
| FQXSFMA0047M | SPD CRC checking failed on DIMM [arg1]. [arg2]                                                                                                                                                                                             | Warning       |

Table 3. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                                               | Severity |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| FQXSFMA0048M | DIMM [arg1] disabled due to PMIC failure during POST, DIMM identifier is [arg2].                                                                                                                                             | Warning  |
| FQXSFMA0049M | DIMM [arg1] disabled due to memory module power failure. DIMM [arg2] detected and good, DIMM [arg3] not detected.                                                                                                            | Warning  |
| FQXSFMA0050G | DRAM PFA threshold limit exceeded on DIMM [arg1] sub-channel [arg2] Rank [arg3] DRAM [arg4], DIMM identifier is [arg5].                                                                                                      | Warning  |
| FQXSFMA0053G | An uncorrected memory error has been recovered by mirror on DIMM [arg1] at address [arg2].[arg3]                                                                                                                             | Warning  |
| FQXSFMA0053M | DIMM [arg1] not defective but disabled due to unsupported memory module combination on CPU [arg2].                                                                                                                           | Warning  |
| FQXSFMA0054G | Mirror failover operation was successful. DIMM [arg1] has failed over to the mirrored DIMM [arg2].[arg3]                                                                                                                     | Warning  |
| FQXSFMA0055G | Mirror failover operation is skipped and page retire for uncorrectable error (at [arg1]) on DIMM [arg2] is reported to OS. [arg3]                                                                                            | Warning  |
| FQXSFMA0057G | Page Retire PFA Threshold limit exceeded on DIMM [arg1] at address [arg2].[arg3] [arg4]                                                                                                                                      | Warning  |
| FQXSFMA0064M | DIMM [arg1] disabled due to memory module power failure. DIMM [arg2] detected and good.                                                                                                                                      | Warning  |
| FQXSFMA0067G | Errors per row counter threshold limit exceeded on DIMM [arg1] sub-channel [arg2] Rank [arg3] DRAM [arg4], need to restart the system for DIMM Self-healing to attempt post package repair (PPR), DIMM identifier is [arg5]. | Warning  |
| FQXSFMA0076M | DIMM [arg1] is not supported, DIMM identifier is [arg2].                                                                                                                                                                     | Warning  |
| FQXSFMA0081M | Runtime soft post package repair failed on DIMM [arg1], need to restart system to attempt boot time post package repair.[arg2]                                                                                               | Warning  |
| FQXSFMA0094K | CMM device at Bay [arg1] is failed to be active.                                                                                                                                                                             | Warning  |
| FQXSFMA0095K | Current combination of DIMM and CMM devices does not fulfill the requirements of Heterogeneous Interleave.                                                                                                                   | Warning  |
| FQXSFMA0096K | Force memory mode from Heterogeneous Interleave to 1LM + Vol.                                                                                                                                                                | Warning  |
| FQXSFMA0097K | Force memory mode from Flat Memory Mode to 1LM + Vol.                                                                                                                                                                        | Warning  |
| FQXSFP00023G | Secure Boot Image Verification Failure Warning.                                                                                                                                                                              | Warning  |
| FQXSFP00039G | 3rd party option rom of PCIe physical [arg1] number [arg2] failed secure boot verification.                                                                                                                                  | Warning  |
| FQXSFP00040G | Secure boot keys were reset to factory default.                                                                                                                                                                              | Warning  |
| FQXSFP00062F | System uncorrected recoverable error happened in Processor [arg1] Core [arg2] MC bank [arg3] with MC Status [arg4], MC Address [arg5], and MC Misc [arg6].                                                                   | Warning  |
| FQXSFP04033F | TPM Firmware recovery is in progress. Please DO NOT power off or reset system.                                                                                                                                               | Warning  |
| FQXSFP04035M | TPM Firmware recovery failed. TPM chip may be damaged.                                                                                                                                                                       | Warning  |
| FQXSFP04040M | TPM selftest has failed.                                                                                                                                                                                                     | Warning  |

Table 3. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                                                             | Severity |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| FQXSFPU4050G | Failed to update TPM Firmware.                                                                                                                                                                                                             | Warning  |
| FQXSFPU4051G | Undefined TPM_POLICY found.                                                                                                                                                                                                                | Warning  |
| FQXSFPU4052G | TPM_POLICY is not locked.                                                                                                                                                                                                                  | Warning  |
| FQXSFPU4053G | System TPM_POLICY does not match the planar.                                                                                                                                                                                               | Warning  |
| FQXSFPU4062M | CPU debugging is activated.                                                                                                                                                                                                                | Warning  |
| FQXSFPU4086G | UEFI extra setting [arg1] is not found in current UEFI [arg2].                                                                                                                                                                             | Warning  |
| FQXSFPU4087G | UEFI extra setting [arg1] value [arg2] is invalid in current UEFI [arg3].                                                                                                                                                                  | Warning  |
| FQXSFPU4088G | Custom default[arg1] is not present, unable to append custom default for UEFI extra setting [arg2].                                                                                                                                        | Warning  |
| FQXSFPU4089G | UEFI extra setting [arg1] value [arg2] for custom default[arg3] is invalid in current UEFI [arg4].                                                                                                                                         | Warning  |
| FQXSFPU4090G | UEFI extra setting [arg1] is not found after updating UEFI to [arg2].                                                                                                                                                                      | Warning  |
| FQXSFPU4091G | UEFI extra setting [arg1] value is changed from [arg2] to [arg3] after updating UEFI to [arg4].                                                                                                                                            | Warning  |
| FQXSFPU4093G | UEFI setting [arg1] value [arg2] of custom default[arg3] is invalid in current UEFI [arg4].                                                                                                                                                | Warning  |
| FQXSFPU4095G | UEFI extra settings exposure config file import failed.                                                                                                                                                                                    | Warning  |
| FQXSFPW0001L | CMOS has been cleared.                                                                                                                                                                                                                     | Warning  |
| FQXSFSR0001M | [arg1] GPT corruption detected, DiskGUID: [arg2]                                                                                                                                                                                           | Warning  |
| FQXSFSR0003G | The number of boot attempts has been exceeded. No bootable device found.                                                                                                                                                                   | Warning  |
| FQXSFTR0001L | An invalid date and time have been detected.                                                                                                                                                                                               | Warning  |
| FQXSFIO0005M | An intra-board UPI failure has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].                                                                                                            | Error    |
| FQXSFIO0006M | An inter-board UPI failure has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].                                                                                                            | Error    |
| FQXSFIO0013M | New added PCI device(s) at [arg1] triggered [arg2] out of resource.                                                                                                                                                                        | Error    |
| FQXSFIO0024M | An error has been detected by the IEH on processor [arg1]. The type of IEH is [arg2]. The index of the IEH is [arg3]. The value of lehErrorStatus register is [arg4]. Please check error logs for additional downstream device error data. | Error    |
| FQXSFIO0025M | An error has been detected by the IIO on processor [arg1]. The index of the IIO stack is [arg2]. The type of IIO Internal Error is [arg3]. Please check error logs for additional downstream device error data.                            | Error    |
| FQXSFIO0035M | An Uncorrectable PCIe Error has Occurred at Segment 0x[arg1] Bus 0x[arg2] Device 0x[arg3] Function 0x[arg4]. The Vendor ID for the device is 0x[arg5] and the Device ID is 0x[arg6]. The physical [arg7] number is [arg8].                 | Error    |
| FQXSFMA0001M | DIMM [arg1] has been disabled due to an error detected during POST. [arg2]                                                                                                                                                                 | Error    |

Table 3. Events organized by severity (continued)

| Event ID     | Message String                                                                                                                                                                                                                                 | Severity |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| FQXSFMA0002M | An uncorrectable memory error has been detected on DIMM [arg1] at address [arg2]. [arg3]                                                                                                                                                       | Error    |
| FQXSFMA0004N | No system memory has been detected.                                                                                                                                                                                                            | Error    |
| FQXSFMA0008M | DIMM [arg1] has failed the POST memory test. [arg2]                                                                                                                                                                                            | Error    |
| FQXSFMA0009K | Invalid memory configuration for Mirror Mode. Please correct memory configuration.                                                                                                                                                             | Error    |
| FQXSFMA0027K | Invalid memory configuration (Unsupported DIMM Population) detected. Please verify memory configuration is valid.                                                                                                                              | Error    |
| FQXSFMA0056M | An uncorrected recoverable memory error has been detected on DIMM [arg1] at address [arg2].[arg3] [arg4]                                                                                                                                       | Error    |
| FQXSFMA0066M | Memory address parity error occurred on CPU [arg1] channel [arg2] with DIMM [arg3].                                                                                                                                                            | Error    |
| FQXSFMA0077N | SMBus failure encountered when accessing to the SPD of DIMM [arg1].                                                                                                                                                                            | Error    |
| FQXSFMA0078N | System encountered fatal error [arg1] during memory initialization.                                                                                                                                                                            | Error    |
| FQXSFMA0082M | An uncorrected recoverable memory error has been detected on DIMM [arg1] and post package repair (PPR) recorded.                                                                                                                               | Error    |
| FQXSFMA0083M | An uncorrected recoverable memory error has been detected on DIMM [arg1] and post package repair (PPR) recording failed.                                                                                                                       | Error    |
| FQXSFMA0099M | An uncorrected recoverable memory error has been detected on CMM Bay [arg1] at [arg2].                                                                                                                                                         | Error    |
| FQXSFP0016N  | A processor within the system has failed the BIST.                                                                                                                                                                                             | Error    |
| FQXSFP0018N  | CATERR(IERR) has asserted on processor [arg1].                                                                                                                                                                                                 | Error    |
| FQXSFP0019N  | An uncorrectable error has been detected on processor [arg1].                                                                                                                                                                                  | Error    |
| FQXSFP0027N  | System uncorrectable error has occurred on Processor [arg1] Core [arg2] MC bank [arg3] with MC Status [arg4], MC Address [arg5], and MC Misc [arg6].                                                                                           | Error    |
| FQXSFP0030N  | A firmware fault has been detected in the UEFI image.                                                                                                                                                                                          | Error    |
| FQXSFP0031N  | The number of POST attempts has reached the value configured in F1 setup. The system has booted with default UEFI settings. User specified settings have been preserved and will be used on subsequent boots unless modified before rebooting. | Error    |
| FQXSFP0035N  | A 3-strike timeout has occurred on processor [arg1].                                                                                                                                                                                           | Error    |
| FQXSFP04056M | TPM card is changed, need install back the original TPM card which shipped with the system.                                                                                                                                                    | Error    |
| FQXSFSM0008M | Boot permission timeout detected.                                                                                                                                                                                                              | Error    |

## List of UEFI events

This section lists all messages that can be sent from UEFI.

- **FQXSFIO0005I: An intra-board UPI has been disabled on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4] because of UPI topology downgrade.**

This message is used to report UPI failure.

Severity: Info

Parameters:

[arg1] Socket number, 1-based

[arg2] Port Number

[arg3] Socket number, 1-based

[arg4] Port Number

User Action:

Complete the following steps:

1. This event should be followed by a recent FQXSFIO0005M / FQXSFIO0006M event denoting some UPI links failure which caused UPI topology downgrade.
2. Solve the event FQXSFIO0005M / FQXSFIO0006M at first, then this event should be solved automatically.
3. If no recent or after fixing FQXSFIO0005M / FQXSFIO0006M event, this event still persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFIO0005M: An intra-board UPI failure has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].**

This message is used to report UPI failure.

Severity: Error

Parameters:

[arg1] Socket number, 1-based

[arg2] Port Number

[arg3] Socket number, 1-based

[arg4] Port Number

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Restore A/C power and power on the system.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFIO0006I: An inter-board UPI has been disabled on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4] because of UPI topology downgrade.**

This message is used to report UPI failure.

Severity: Info

Parameters:

[arg1] Socket number, 1-based

[arg2] Port Number

[arg3] Socket number, 1-based

[arg4] Port Number

User Action:

Complete the following steps:

1. This event should be followed by a recent FQXSFIO0005M / FQXSFIO0006M event denoting some UPI links failure which caused UPI topology downgrade.
  2. Solve the event FQXSFIO0005M / FQXSFIO0006M at first, then this event should be solved automatically.
  3. If no recent or after fixing FQXSFIO0005M / FQXSFIO0006M event, this event still persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFIO0006M: An inter-board UPI failure has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].**

This message is used to report UPI failure.

Severity: Error

Parameters:

[arg1] Socket number, 1-based

[arg2] Port Number

[arg3] Socket number, 1-based

[arg4] Port Number

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Restore A/C power and power on the system.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFIO0008M: An intra-board UPI dynamic link width reduction has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].**

This message is used to report UPI dynamic link width reduction.

Severity: Warning

Parameters:

[arg1] Socket number, 1-based

[arg2] Port Number

[arg3] Socket number, 1-based

[arg4] Port Number

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Restore A/C power and power on the system.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFIO0009M: An inter-board UPI dynamic link width reduction has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].**

This message is used to report UPI dynamic link width reduction.

Severity: Warning

Parameters:

[arg1] Socket number, 1-based

[arg2] Port Number

[arg3] Socket number, 1-based

[arg4] Port Number

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Restore A/C power and power on the system.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFIO0013M: New added PCI device(s) at [arg1] triggered [arg2] out of resource.**

This message is reported when PCI resources are insufficient.

Severity: Error

Parameters:

[arg1] String, dynamic string to mention potential PCIe slot(s) or NVMe drive bay(s). i.e. Slot(Bay) 1/2/4/5... etc.

[arg2] Bus /Legacy IO / 32-bit MMIO / 64-bit MMIO

User Action:

Complete the following steps:

1. If resource insufficient is 32-bit MMIO, change System Settings->Devices and I/O Ports->MM Config Base to a lower value such as from 3GB to 2GB or 2GB to 1GB.
2. If resource insufficient is 64-bit MMIO, change the following settings to disable these two features if not needed. System Settings->Devices and I/O Ports-> SRIOV (or Resizable BAR) to disabled.
3. Check Lenovo Support site for any applicable service bulletin or UEFI or adapter firmware update that applies to this error.
4. If the problem persists, remove new added devices from system slots or disable them.
5. If do need to enable all new added devices, collect Service Data logs, and contact Lenovo Support.

- **FQXSFIO0021I: PCIe DPC software triggering occurred in physical [arg1] number [arg2].**

This message is reported when PCIe DPC software was triggered.

Severity: Info

Parameters:

*[arg1]* Slot/bay

*[arg2]* Slot number /bay number

User Action:

Information only; no action is required.

- **FQXSFIO0021J: PCIe Error Recovery has occurred in physical [arg1] number [arg2]. The [arg3] may not operate correctly.**

This message is reported when PCIe error was recovered.

Severity: Warning

Parameters:

*[arg1]* Slot/bay

*[arg2]* Instance number

*[arg3]* Adapter/disk

User Action:

Complete the following steps:

1. Check the log for a separate error related to an associated PCIe device or NVME disk and resolve that error.
2. Check the Lenovo Support site for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
3. Check the system spec to make sure that the PCIe device or NVME disk is installed in the compatible PCIe slot or bay and a compatible cable is used. If not, performance of this device might be impacted.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFIO0022J: PCIe Link Width has degraded from [arg1] to [arg2] in physical [arg3] number [arg4].**

This message is reported when PCIe Link Width was degraded.

Severity: Warning

Parameters:

*[arg1]* x16/x8/x4/x2/x1

*[arg2]* x16/x8/x4/x2/x1

*[arg3]* Slot/bay

*[arg4]* Instance number

User Action:

Complete the following steps:

1. Check the log for a separate error related to an associated PCIe device or NVME disk and resolve that error.
2. Check the Lenovo Support site for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
3. Check the system spec to make sure that the PCIe device or NVME disk is installed in the compatible PCIe slot or bay and a compatible cable is used. If not, performance of this device might be impacted.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFIO0023J: PCIe Link Speed has degraded from [arg1] to [arg2] in physical [arg3] number [arg4].**

This message is reported when PCIe Link Speed was degraded.

Severity: Warning

Parameters:

[arg1] 32 GT/s / 16 GT/s / 8.0 GT/s / 5.0 GT/s / 2.5 GT/s

[arg2] 32 GT/s / 16 GT/s / 8.0 GT/s / 5.0 GT/s / 2.5 GT/s

[arg3] Slot/bay

[arg4] Instance number

User Action:

Complete the following steps:

1. Check the log for a separate error related to an associated PCIe device or NVME disk and resolve that error.
2. Check the Lenovo Support site for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
3. Check the system spec to make sure that the PCIe device or NVME disk is installed in the compatible PCIe slot or bay and a compatible cable is used. If not, performance of this device might be impacted.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFIO0024I: An error has been detected by the IEH on processor [arg1]. The type of IEH is [arg2]. The index of the IEH is [arg3]. The value of lehErrorStatus register is [arg4]. Please check error logs for additional downstream device error data.**

This message is reported when an error has been detected by the IEH.

Severity: Warning

Parameters:

[arg1] Processor number, 1 - based

[arg2] IEH type

[arg3] IEH index

[arg4] lehErrorStatus register value

User Action:

Complete the following steps:

1. Check Lenovo Support site for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFIO0024M: An error has been detected by the IEH on processor [arg1]. The type of IEH is [arg2]. The index of the IEH is [arg3]. The value of lehErrorStatus register is [arg4]. Please check error logs for additional downstream device error data.**

This message is reported when an error has been detected by the IEH.

Severity: Error

Parameters:

[arg1] Processor number, 1 - based

[arg2] IEH type

[arg3] IEH index

[arg4] lehErrorStatus register value

User Action:

Complete the following steps:

1. Check Lenovo Support site for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFIO0025I: An error has been detected by the IIO on processor [arg1]. The index of the IIO stack is [arg2]. The type of IIO Internal Error is [arg3]. Please check error logs for additional downstream device error data.**

This message is reported when an error has been detected by the IIO.

Severity: Warning

Parameters:

[arg1] Processor number, 1 - based

[arg2] IIO stack index

[arg3] VTD error / CBDMA error / M2PCIE error / IRP error / Ring error / ITC error /OTC error

User Action:

Complete the following steps:

1. Check Lenovo Support site for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFIO0025M: An error has been detected by the IIO on processor [arg1]. The index of the IIO stack is [arg2]. The type of IIO Internal Error is [arg3]. Please check error logs for additional downstream device error data.**

This message is reported when an error has been detected by the IIO.

Severity: Error

Parameters:

[arg1] Processor number, 1 - based

[arg2] IIO stack index

[arg3] VTD error / CBDMA error / M2PCIE error / IRP error / Ring error / ITC error /OTC error

User Action:

Complete the following steps:

1. Check Lenovo Support site for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFIO0035M: An Uncorrectable PCIe Error has Occurred at Segment 0x[arg1] Bus 0x[arg2] Device 0x[arg3] Function 0x[arg4]. The Vendor ID for the device is 0x[arg5] and the Device ID is 0x[arg6]. The physical [arg7] number is [arg8].**

This message is reported when an uncorrectable PCIe Error has occurred at PCIE device.

Severity: Error

Parameters:

[arg1] Segment

[arg2] Bus

[arg3] Device

[arg4] Function

[arg5] VID

[arg6] DID

[arg7] Slot/Bay

[arg8] Instance number

User Action:

Complete the following steps:

1. Check Lenovo Support site for an applicable device driver, firmware update, version of service information for this product or other information that applies to this error. Load new device driver and any required firmware updates.
2. If this device and/or any attached cables were recently installed, moved, serviced or upgraded.
  - a. Reseat adapter or disk and any attached cables.
  - b. Reload Device Driver.
  - c. If device is not recognized, reconfiguring slot to Gen1 or Gen2 may be required. Gen1/Gen2 settings can be configured via F1 Setup -> System Settings -> Devices and I/O Ports ->PCIe Gen1/Gen2/Gen3 Speed Selection, or the OneCLI utility.
  - d. If a PCIe error has also been reported on a second slot within the same node, ensure steps a, b, and c above are also performed for that adapter or disk before proceeding.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFIO0036G: PCIe Correctable Error Threshold limit has been exceeded at Segment 0x[arg1] Bus 0x[arg2] Device 0x[arg3] Function 0x[arg4]. The Vendor ID for the device is 0x[arg5] and the Device ID is 0x[arg6]. The physical [arg7] number is [arg8].**

This message is reported when PCIe Correctable Error Threshold limit has been exceeded at PCIE device.

Severity: Warning

Parameters:

[arg1] Segment

[arg2] Bus

[arg3] Device

[arg4] Function

[arg5] VID

[arg6] DID

[arg7] Slot/Bay

[arg8] Instance number

User Action:

Complete the following steps:

1. Check Lenovo Support site for an applicable device driver, firmware update, version of service information for this product or other information that applies to this error. Load new device driver and any required firmware updates.
  2. If this device and/or any attached cables were recently installed, moved, serviced or upgraded.
    - a. Reseat adapter or disk and any attached cables.
    - b. Reload Device Driver.
    - c. If device is not recognized, reconfiguring slot to lower speed may be required. Gen1/Gen2/Gen3 settings can be configured via F1 Setup -> System Settings -> Devices and I/O Ports -> PCIe Gen1/Gen2/Gen3/Gen4 Speed Selection, or the OneCLI utility.
    - d. If a PCIe error has also been reported on a second slot within the same node, please ensure steps a, b, and c above are also performed for that adapter or disk before proceeding.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFIO0041J: PCIe Leaky Bucket Event : [arg1] occurred at Segment [arg2] Bus [arg3] Device [arg4] Function [arg5]. The physical [arg6] number is [arg7].**

This message is reported when PCIe Leaky Bucket Event has occurred at PCIE device.

Severity: Warning

Parameters:

[arg1] PCIe Leaky Bucket Event

[arg2] Segment

[arg3] Bus

[arg4] Device

[arg5] Function

[arg6] Slot/Bay

[arg7] Instance number

User Action:

Complete the following steps:

1. Check the log for a separate error related to an associated PCIe device or NVME disk and resolve that error.
2. Check the Lenovo Support site for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
3. Check the system spec to make sure that the PCIe device or NVME disk is installed in the compatible PCIe slot or bay and a compatible cable is used. If not, performance of this device might be impacted.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0001I: DIMM [arg1] Disable has been recovered. [arg2]**

This message is reported when a DIMM has been re-enabled.

Severity: Info

Parameters:

[arg1] DIMM slot silk label

[arg2] DIMM identifier consists of S/N, FRU and UDI, e.g., "739E68ED-VC10 FRU 0123456"

User Action:

Information only; no action is required.

- **FQXSFMA0001M: DIMM [arg1] has been disabled due to an error detected during POST. [arg2]**

This message is reported when a DIMM has been disabled.

Severity: Error

Parameters:

[arg1] DIMM slot silk label

[arg2] DIMM identifier consists of S/N, FRU and UDI, e.g., "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Search for other event messages pointing to the same DIMM, and if exist, prioritize resolving them at first.
2. Reseat the affected DIMM.
3. Boot to UEFI setup and try to enable DIMM via System Settings->Memory->System Memory Details page (if applicable) and reboot the system to see if the DIMM could be re-enabled successfully.
4. If the problem persists, update UEFI firmware to the latest version.
5. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFMA0002M: An uncorrectable memory error has been detected on DIMM [arg1] at address [arg2]. [arg3]**

This message is reported when an uncorrectable memory error state has been cleared.

Severity: Error

Parameters:

[arg1] DIMM Silk Label, 1-based

[arg2] Address of the system where the error occurred

[arg3] DIMM identifier consists of S/N, FRU and UDI, e.g., "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this memory error.
2. Reseat the affected DIMM (Note: The event Log might contain a recent FQXSFMA0011I event denoting detected change in DIMM population that could be related to this problem.)
3. Swap the affected DIMM to another known good slot and verify whether the issue still be observed or not.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFMA0004N: No system memory has been detected.**

This message is reported when no memory detected.

Severity: Error

User Action:

Complete the following steps:

1. Ensure one or more supported DIMMs are installed in the correct population sequence.
2. If the system has light-path then check for any lit DIMM-connector LEDs, and if found, reseat those DIMMs. Alternatively ( i.e., if light path is not available) the same can be accomplished using XCC GUI.
3. Swap DIMMs between slots when more than one DIMM is available in the system.
4. If the DIMMs have been upgraded just prior to the issue than update uEFI using alternate or minimal configuration.
5. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFMA0006I: [arg1] DIMM [arg2] has been detected, the DIMM serial number is [arg3].**

This message is reported when DIMM has invalid UDI.

Severity: Info

Parameters:

[arg1] Unqualified/Non Lenovo

[arg2] DIMM Silk Label, 1-based

[arg3] DIMM serial number.

User Action:

Complete the following steps:

1. If this information event is logged in the XCC event log, the server does have unqualified memory installed.
2. The memory installed may not be covered under warranty.
3. Without qualified memory, speeds supported above industry standards will not be enabled.
4. Contact your Local Sales Representative or Authorized Business Partner to order qualified memory to replace the unqualified DIMM(s).
5. After you install qualified memory and power up the server, check to ensure this informational event is not logged again.
6. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0007I: [arg1] DIMM number [arg2] has been replaced. [arg3]**

This message is reported when DIMM has been programmed correct UDI.

Severity: Info

Parameters:

[arg1] Unqualified/Non Lenovo

[arg2] DIMM Silk Label, 1-based

[arg3] DIMM info (S/N, FRU and UDI.), e.g., "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. This event should be followed by a recent FQXSFMA0006I event denoting the server does have unqualified memory installed.
2. Information only; no action is required.

- **FQXSFMA0008I: DIMM [arg1] POST memory test failure has been recovered. [arg2]**

This message is reported when DIMM has been recovered from training error.

Severity: Info

Parameters:

[arg1] DIMM slot silk label

[arg2] DIMM identifier consists of S/N, FRU and UDI, e.g., "739E68ED-VC10 FRU 0123456"

User Action:

Information only; no action is required.

- **FQXSFMA0008M: DIMM [arg1] has failed the POST memory test. [arg2]**

This message is reported when DIMM has been disabled by training error.

Severity: Error

Parameters:

[arg1] DIMM slot silk label

[arg2] DIMM identifier consists of S/N, FRU and UDI, e.g., "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. If the DIMM configuration was changed prior to this failure verify that the DIMMs are installed in the correct population sequence.
2. RESEAT the DIMM that failed POST memory test and the DIMMs on adjacent slots if populated. Boot to F1 setup and enable the DIMM. Reboot the system.
3. Swap the DIMM from failure location to another known good location to see if the failure follow the DIMM or DIMM slot.
4. If this problem was encountered during an XCC / UEFI update process:
  - a. Power cycle the system by removing power for a few seconds.
  - b. Clear CMOS settings by removing battery for a few seconds.
5. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0009I: Invalid memory configuration for Mirror Mode has been recovered.**

This message is reported when Mirror mode is applied successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFMA0009K: Invalid memory configuration for Mirror Mode. Please correct memory configuration.**

This message is reported when Mirror mode failed to be applied with current configuration.

Severity: Error

User Action:

Complete the following steps:

1. Ensure that all the DIMMs are enabled and functional by booting to F1 Setup or in XCC web .If any DIMMs are non-functional address that first.
2. Make sure that the DIMM connectors are correctly populated for mirroring mode, according to the service information for this product.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0026G: Multi-bit CE occurred on DIMM [arg1], need to restart the system for DIMM Self-healing to attempt post package repair (PPR).[arg2]**

This message is reported when the error of the same row has already occurred a number of times up to the row threshold.

Severity: Warning

Parameters:

[arg1] DIMM Silk Label, 1-based

[arg2] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Restart the system to allow for DIMM Self-healing to attempt hard post package repair (PPR) and confirm that event ID FQXSFMA0026I was recorded.
2. If the problem persists or if PPR attempt failed due to event ID FQXSFMA0027M or FQXSFMA0028M, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0026I: DIMM [arg1] Self-healing, attempt post-package repair (PPR) succeeded. [arg2]**

This message is reported when DIMM attempt post-package repair (PPR) succeeded.

Severity: Info

Parameters:

[arg1] DIMM Silk Label, 1-based

[arg2] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Information only; no action is required.
2. Note: Post Package Repair (PPR) – is the memory Self-Healing process of substituting the access to a bad cell or address row with a spare row within the DRAM device.
  - a. Soft Post Package Repair (sPPR) - repairs a row for the current boot cycle. If system power is removed or the system is rebooted (reset), the DIMM reverts to its original state.
  - b. Hard Post Package Repair (hPPR) – permanently repairs a row.

- **FQXSFMA0027G: Multi-bit CE occurred on DIMM [arg1] different rows.[arg2]**

This message is reported when the error of the same bank has already occurred a number of times up to the bank threshold.

Severity: Warning

Parameters:

[arg1] DIMM Silk Label, 1-based

[arg2] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Run advance memory test using the XClarity Provisioning Manager. Click Diagnostics > Run Diagnostics > Memory Test > Advanced Memory Test to repair the DIMM.
2. Reseat the failing DIMM identified by LightPath and/or event log entry.
3. If the problem persists, collect Service Data logs, and contact Lenovo Support.

- **FQXSFMA0027I: Invalid memory configuration (unsupported DIMM Population) recovered.**

The SEL is reported when all DIMM recovered form POR errors.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFMA0027K: Invalid memory configuration (Unsupported DIMM Population) detected. Please verify memory configuration is valid.**

This message is reported when unsupported DIMM population is detected.

Severity: Error

User Action:

Complete the following steps:

1. This event could follow an uncorrectable memory error or failed memory test. Check the log and resolve that event first. DIMMs disabled by other errors or actions could cause this event.

2. Ensure that the DIMMs are populated in the correct sequence, according to the service information for this product.
3. If the DIMMs are present and properly installed, check for any lit DIMM connector error LEDs and reseat those DIMMs. Check logs for memory diagnostic codes.
4. Reset UEFI to the default settings.
5. If the problem persists, update the UEFI firmware.
6. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFMA0027M: DIMM [arg1] Self-healing, attempt post-package repair (PPR) failed. [arg2]**

This message is reported when DIMM failed to attempt post-package repair (PPR).

Severity: Warning

Parameters:

*[arg1]* DIMM Silk Label, 1-based

*[arg2]* DIMM identifier consists of S/N, FRU and UDI, e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0028M: The number of post-package repair (PPR) attempts has reached the limit on DIMM [arg1]. [arg2]**

This message is reported when the count of post-package repair (PPR) attempt exceeded DIMM level threshold.

Severity: Warning

Parameters:

*[arg1]* DIMM Silk Label, 1-based

*[arg2]* DIMM identifier consists of S/N, FRU and UDI, e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0029G: DIMM [arg1] Self-healing, attempt post-package repair (PPR) failed: Spare rows for repair are out of resource. [arg2]**

This message is reported when DIMM failed to attempt post-package repair (PPR) due to Insufficient rows.

Severity: Warning

Parameters:

*[arg1]* DIMM Silk Label, 1-based

*[arg2]* DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0029I: The PFA of DIMM [arg1] has been deasserted after applying PPR for this DIMM. [arg2]**

This message is reported to deassert the PFA sensor of the DIMM repaired by PPR.

Severity: Info

Parameters:

[arg1] DIMM Silk Label, 1-based

[arg2] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Information only; no action is required.

- **FQXSFMA0047M: SPD CRC checking failed on DIMM [arg1]. [arg2]**

This message is reported when DIMM SPD CRC check failed.

Severity: Warning

Parameters:

[arg1] DIMM Silk Label, 1-based

[arg2] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Perform a virtual reseal or AC cycle the server.
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFMA0048M: DIMM [arg1] disabled due to PMIC failure during POST, DIMM identifier is [arg2].**

This message is reported when Error logged in PMIC registers.

Severity: Warning

Parameters:

[arg1] Disabled DIMM

[arg2] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Reseat the DIMM in the slot specified by the event message.
3. Restore A/C power and power on the system.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0049M: DIMM [arg1] disabled due to memory module power failure. DIMM [arg2] detected and good, DIMM [arg3] not detected.**

This message is reported when DDRIO power failure detected.

Severity: Warning

Parameters:

[arg1] Disabled slot

[arg2] Disabled but detected DIMMs

[arg3] Disabled but not detected DIMMs e.g. "DIMM 1,2 disabled due to memory module power failure. DIMM 2 detected and good, DIMM 1 not detected."

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
  2. Check DIMM slots specified in the message. If DIMM installed but undetected, remove it and then restore the A/C power and power on the system.
  3. If all DIMMs detected or error persists after removing undetected DIMMs, reseal all the DIMMs in the slots specified by the message and then restore the A/C power and power on the system.
  4. If the problem persists or undetected DIMM needs to be replaced, collect Service Data logs and contact Lenovo Support.
- **FQXSFMA0050G: DRAM PFA threshold limit exceeded on DIMM [arg1] sub-channel [arg2] Rank [arg3] DRAM [arg4], DIMM identifier is [arg5].**

This message is reported when DIMM has a lot of single bit ECC error.

Severity: Warning

Parameters:

[arg1] DIMM Silk Label

[arg2] Sub Channel

[arg3] Rank number

[arg4] Device number (0&1&2)

[arg5] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Power off the system and remove the A/C power.
  2. Reseat the affected DIMM.
  3. Restore the A/C power and power on the system.
  4. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this memory error.
  5. Run advance memory test using the XClarity Provisioning Manager. Click Diagnostics > Run Diagnostics > Memory Test > Advanced Memory Test to repair the DIMM.
  6. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFMA0052I: DIMM [arg1] has been disabled due to the error on DIMM [arg2].[arg3]**

This message is reported when DDRIO power failure detected.

Severity: Info

Parameters:

[arg1] DIMM Silk Label, 1-based

[arg2] DIMM Silk Label, 1-based

[arg3] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Reseat the DIMM in the slot specified by the event message.
3. Restore A/C power and power on the system.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFMA0053G: An uncorrected memory error has been recovered by mirror on DIMM [arg1] at address [arg2].[arg3]**

This message is reported when an uncorrected memory error has been recovered by mirror.

Severity: Warning

Parameters:

[arg1] DIMM Silk Label, 1-based

[arg2] Address of the system where the error occurred

[arg3] DIMM identifier consists of S/N, FRU and UDI, e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Keep the system running until next planned maintenance window.
2. During planned maintenance, power off the system and remove A/C power.
3. Reseat the failing DIMM identified by LightPath and/or event log entry.
4. Restore A/C power and power on the system.
5. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this memory error.
6. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0053I: DIMM [arg1] re-enabled due to memory module combination updating.**

This message is reported when DIMM recovered from population downgrade error.

Severity: Info

Parameters:

[arg1] DIMM Silk Label list. (eg1. 1 2. 1 & 2 & 3).

User Action:

Information only; no action is required.

- **FQXSFMA0053M: DIMM [arg1] not defective but disabled due to unsupported memory module combination on CPU [arg2].**

This message is reported when DIMM disabled due to population downgrade.

Severity: Warning

Parameters:

[arg1] DIMM Silk Label list. (eg1. 1 2. 1 & 2 & 3).

[arg2] CPU label

User Action:

Complete the following steps:

1. This event could follow an uncorrectable memory error or failed memory test. Check the log and resolve that event first. DIMMs disabled by other errors or actions could cause this event.
  2. Ensure that the DIMM are populated in the correct sequence, according to the service information for this product.
  3. If DIMMs are present and properly installed, check for any lit DIMM connector error LEDs, and if found, reseal those DIMMs, then check logs for memory diagnostic codes.
  4. Reset UEFI to default settings.
  5. If the problem persists, update UEFI firmware.
  6. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFMA0054G: Mirror failover operation was successful. DIMM [arg1] has failed over to the mirrored DIMM [arg2].[arg3]**

This message is reported when the persistent UE occurred in the DIMM that triggered Mirror failover.

Severity: Warning

Parameters:

[arg1] DIMM Silk Label, 1-based

[arg2] DIMM Silk Label, 1-based

[arg3] DIMM identifier consists of S/N, FRU and UDI, e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Keep the system running until next planned maintenance window.
  2. During planned maintenance, power off the system and remove A/C power.
  3. Reseat the failing DIMM identified by LightPath and/or event log entry.
  4. Restore A/C power and power on the system.
  5. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this memory error.
  6. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFMA0055G: Mirror failover operation is skipped and page retire for uncorrectable error (at [arg1]) on DIMM [arg2] is reported to OS. [arg3]**

This message is reported when the persistent UE occurred in the DIMM that triggered Mirror failover.

Severity: Warning

Parameters:

[arg1] Physical address

[arg2] DIMM Silk Label, 1-based

[arg3] DIMM identifier consists of S/N, FRU and UDI, e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Reseat the failing DIMM identified by LightPath and/or event log entry.
3. Restore A/C power and power on the system.
4. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this memory error.
5. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0056I: Uncorrected memory error occurred on DIMM [arg1] has been deasserted after performing post package repair. DIMM identifier is [arg2].**

This message is reported when an uncorrected recoverable memory error has been recovered.

Severity: Info

Parameters:

[arg1] DIMM Silk Label

[arg2] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Information only; no action is required.

- **FQXSFMA0056M: An uncorrected recoverable memory error has been detected on DIMM [arg1] at address [arg2].[arg3] [arg4]**

This message is reported when an uncorrected recoverable memory error has been detected.

Severity: Error

Parameters:

[arg1] DIMM Silk Label, 1-based

[arg2] Address of the system where the error occurred

[arg3] DIMM identifier consists of S/N, FRU and UDI, e.g. "739E68ED-VC10 FRU 0123456"

[arg4] Indicate the error is UCNA or SRAR, "-T0" for UCNA, "-T1" for SRAR

User Action:

1. Power off the system and remove A/C power.
2. Reseat the failing DIMM identified by LightPath and/or event log entry
3. Restore A/C power and power on the system.
4. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this memory error.
5. Run advance memory test using the XClarity Provisioning Manager. Click Diagnostics > Run Diagnostics > Memory Test > Advanced Memory Test to repair the DIMM.
6. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0057G: Page Retire PFA Threshold limit exceeded on DIMM [arg1] at address [arg2]. [arg3] [arg4]**

This message is reported when PFA threshold limit exceeded.

Severity: Warning

Parameters:

[arg1] DIMM Silk Label, 1-based

[arg2] Address of the system where error occurred

[arg3] Page retire PFA policy reached, "-T0";"-T1";"-T2";"-T3";"-T4".

[arg4] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Power off the system and remove the A/C power.
  2. Reseat the affected DIMM.
  3. Restore the A/C power and power on the system.
  4. Check Lenovo support site for an applicable service bulletin or firmware update that applies to this memory error.
  5. Run advance memory test using the XClarity Provisioning Manager. Click Diagnostics > Run Diagnostics > Memory Test > Advanced Memory Test to repair the DIMM.
  6. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFMA0063I: A correctable memory error handled by ADDDC on DIMM [arg1]. DIMM identifier is [arg2].**

This message is reported when a correctable memory error was handled by ADDDC.

Severity: Info

Parameters:

[arg1] DIMM Silk Label

[arg2] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Information only; no action is required.

- **FQXSFMA0064M: DIMM [arg1] disabled due to memory module power failure. DIMM [arg2] detected and good.**

This message is reported when DDRIO power failure detected.

Severity: Warning

Parameters:

[arg1] Disabled slot

[arg2] Disabled but detected DIMMs e.g. "DIMM 3,4 disabled due to memory module power failure. DIMM 3,4 detected and good."

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Check DIMM slots specified in the message. If DIMM installed but undetected, remove it and then restore the A/C power and power on the system.
3. If all DIMMs detected or error persists after removing undetected DIMMs, reseat all the DIMMs in the slots specified by the message and then restore the A/C power and power on the system.
4. If the problem persists or undetected DIMM needs to be replaced, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0065I: Multi-bit CE of DIMM [arg1] has been deasserted after performing post package repair. DIMM identifier is [arg2].**

This message is reported when PPR is applied successfully.

Severity: Info

Parameters:

[arg1] DIMM Silk Label

[arg2] DIMM info (S/N, FRU and UDI)

User Action:

Information only; no action is required.

- **FQXSFMA0066M: Memory address parity error occurred on CPU [arg1] channel [arg2] with DIMM [arg3].**

This message is reported when DDR parity link error occurred.

Severity: Error

Parameters:

[arg1] Socket number, 1-based

[arg2] Channel on socket

[arg3] DIMM silk label 1, silk label 2 (All DIMMs on the failed channel)

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Reseat the DIMMs specified by the event message.
3. Restore A/C power and power on the system.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0067G: Errors per row counter threshold limit exceeded on DIMM [arg1] sub-channel [arg2] Rank [arg3] DRAM [arg4], need to restart the system for DIMM Self-healing to attempt post package repair (PPR), DIMM identifier is [arg5].**

This message is reported when a row has a lot of single bit error on DIMM.

Severity: Warning

Parameters:

[arg1] DIMM Silk Label

[arg2] Sub Channel

[arg3] Rank number

[arg5] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Restart the system to allow for DIMM Self-healing to attempt hard post package repair (PPR) and confirm that event ID FQXSFMA0026I was recorded.

2. Run advance memory test using the XClarity Provisioning Manager. Click Diagnostics > Run Diagnostics > Memory Test > Advanced Memory Test to repair the DIMM.
3. If the problem persists or if PPR attempt failed due to event ID FQXSFMA0027M or FQXSFMA0028M, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0067I: Errors per row counter threshold limit exceeded on DIMM [arg1] has been deasserted after performing post package repair. DIMM identifier is [arg2].**

This message is reported when Errors per row counter threshold limit exceeded on DIMM.

Severity: Info

Parameters:

[arg1] DIMM Silk Label

[arg2] DIMM info (S/N, FRU and UDI.), e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Information only; no action is required.

- **FQXSFMA0076M: DIMM [arg1] is not supported, DIMM identifier is [arg2].**

This message is reported when unsupported DIMM has been detected.

Severity: Warning

Parameters:

[arg1] DIMM slot silk label

[arg2] DIMM identifier consists of S/N, FRU and UDI, e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Check User Guide for supported DIMM types and replace the DIMM specified by the message with a supported one.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0077N: SMBus failure encountered when accessing to the SPD of DIMM [arg1].**

This message is reported when access DIMM SPD failed cause of SMBUS failure.

Severity: Error

Parameters:

[arg1] DIMM slot silk label

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Reseat the DIMM in the slot specified by the event message.
3. Restore A/C power and power on the system.
4. If the problem persists, collect support log and contact Lenovo Support.

- **FQXSFMA0078N: System encountered fatal error [arg1] during memory initialization.**

This message is reported when system encountered fatal error during memory initialization.

Severity: Error

Parameters:

[arg1] Fatal error code, e.g. 0xD802.

User Action:

If you have enabled XCC or LXCA call home, a Lenovo Service personnel will contact you. Otherwise, please collect Debug Log and contact Lenovo Support.

- **FQXSFMA0079I: NVRAM [arg1] corruption detected and recovered.**

The message is reported when variable/FV header corruption happens.

Severity: Info

Parameters:

[arg1] "header" or "variable"

User Action:

Information only; no action is required.

- **FQXSFMA0080I: Runtime soft post package repair succeeded on DIMM [arg1].[arg2]**

The message is reported when Row Sparing executed successfully.

Severity: Info

Parameters:

[arg1] DIMM slot number

[arg2] DIMM identifier consists of S/N, FRU and UDI, e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Information only; no action is required.

- **FQXSFMA0081M: Runtime soft post package repair failed on DIMM [arg1], need to restart system to attempt boot time post package repair.[arg2]**

The message is reported when Row Sparing executed unsuccessfully.

Severity: Warning

Parameters:

[arg1] DIMM slot number

[arg2] DIMM identifier consists of S/N, FRU and UDI, e.g. "739E68ED-VC10 FRU 0123456"

User Action:

Complete the following steps:

1. Restart the system to allow for DIMM Self-healing to attempt hard post package repair (PPR) and confirm that event ID FQXSFMA0026I was recorded.
2. If the problem persists or if PPR attempt failed due to event ID FQXSFMA0027M or FQXSFMA0028M, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0082M: An uncorrected recoverable memory error has been detected on DIMM [arg1] and post package repair (PPR) recorded.**

This message is reported when UE PPR is recorded.

Severity: Error

Parameters:

[arg1] DIMM Silk Label, 1-based

User Action:

Complete the following steps:

1. Restart the system to attempt PPR.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFMA0083M: An uncorrected recoverable memory error has been detected on DIMM [arg1] and post package repair (PPR) recording failed.**

This message is reported when the recording of UE PPR failed.

Severity: Error

Parameters:

[arg1] DIMM Silk Label, 1-based

User Action:

Complete the following steps:

1. Restart the system to run AMT.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFMA0094K: CMM device at Bay [arg1] is failed to be active.**

This message is reported when the CMM device is time-out.

Severity: Warning

Parameters:

[arg1] CMM Bay ID, 0-based

User Action:

Complete the following steps:

1. Re-install the device that has timed out.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFMA0095K: Current combination of DIMM and CMM devices does not fulfill the requirements of Heterogeneous Interleave.**

This message is reported when DIMM and CXL memory modules population is not supported in Heterogeneous Interleave mode.

Severity: Warning

User Action:

Complete the following steps:

1. Check the User Manual for memory module installation rules to ensure that DIMM and CXL memory modules population complies with the Heterogeneous Interleave mode requirements.
  2. Refer to the UEFI Manual for instructions on how to enable Heterogeneous Interleave mode.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFMA0096I: Memory mode has been recovered to [arg1].**

This message is reported when the memory mode is recovered to user setting.

Severity: Info

Parameters:

[arg1] The memory mode configured by user.

User Action:

Information only; no action is required.

- **FQXSFMA0096K: Force memory mode from Heterogeneous Interleave to 1LM + Vol.**

This message is reported when there are any setting conflicts or errors causing Heterogeneous Interleave mode disabled.

Severity: Warning

User Action:

Complete the following steps:

1. If FQXSFMA0095K exists in the Active Event Log, resolve FQXSFMA0095K first.
2. If the problem persists, refer to the UEFI Manual for more information on how to enable Heterogeneous Interleave mode.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0097K: Force memory mode from Flat Memory Mode to 1LM + Vol.**

This message is reported when there are any setting conflicts or errors causing flat memory mode disabled.

Severity: Warning

User Action:

Complete the following steps:

1. Check the User Manual for memory module installation rules to ensure that DIMM and CXL memory modules population complies with the Flat Memory mode requirements.
2. Refer to the UEFI Manual for instructions on how to enable Flat Memory mode.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0099M: An uncorrected recoverable memory error has been detected on CMM Bay [arg1] at [arg2].**

This message is reported when an uncorrected recoverable memory error has been detected on the CMM device.

Severity: Error

Parameters:

[arg1] PCIe Slot

[arg2] System address

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Reseat the failing CXL memory module (CMM) which is identified by LED (amber) and/or event log entry.
3. Restore A/C power and power on the system.

4. If the problem persists, power off the system and remove A/C power.
5. Swap the failing CXL memory module with another CXL memory module.
6. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP0016N: A processor within the system has failed the BIST.**

This message is reported when a processor within the system has failed the BIST.

Severity: Error

User Action:

Complete the following steps:

1. If the processor or firmware was just updated, check the Lenovo Support site for an applicable service bulletin or firmware update that applies to this processor error.
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP0018N: CATERR(IERR) has asserted on processor [arg1].**

This is reported when FEH detects CPU IERR.

Severity: Error

Parameters:

[arg1] Socket number, 1-based

User Action:

Complete the following steps:

1. Check Lenovo Support site for an applicable service bulletin or UEFI firmware update that applies to this processor error.
2. Power off the system and remove A/C power.
3. Restore A/C power and power on the system.
4. Determine if there have been recent changes to the hardware, firmware or operating system. Reverse them if possible
5. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFP0019N: An uncorrectable error has been detected on processor [arg1].**

This is reported when FEH detects CPU MCERR.

Severity: Error

Parameters:

[arg1] Socket number, 1-based.

User Action:

Complete the following steps:

1. Check Lenovo Support site for an applicable service bulletin or UEFI firmware update that applies to this error.
2. Power off the system and remove A/C power.
3. Restore A/C power and power on the system.

4. Determine if there have been recent changes to the hardware, firmware or operating system. Reverse them if possible.
5. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP0023G: Secure Boot Image Verification Failure Warning.**

Reporting un-trusted boot image when Security Boot is enabled.

Severity: Warning

User Action:

Complete the following steps:

1. It is a security warning message when a user wants to boot from an unauthorized UEFI image or OS while Secure Boot is enabled and Secure Boot Mode is in User Mode. If the customer does not want to boot any unauthorized UEFI image or OS, remove that bootable device.
2. If the customer does want to boot this unauthorized UEFI image or OS, there are two ways to allow system boot from this unauthorized image, the first is to disable Secure Boot, and the second is to enroll the unauthorized image into DB (Authorized Signature Database).
  - a. Disable Secure Boot: assert Physical Presence and then change Secure Boot Setting to Disable ( in F1 Setup -> System Settings -> Security -> Security Boot Configuration -> Security Boot Setting).
  - b. Enroll the unauthorized UEFI Image. assert the Physical Presence and then change Secure Boot Policy to Custom Policy ( in Setup -> System Settings -> Security -> Security Boot Configuration -> Security Boot Policy), then enter into "Security Boot Custom Policy" Menu, press the "Enroll Efi Image" button, select the unauthorized UEFI Image in the popup box.
  - c. NOTE: There are two ways to assert Physical Presence:
    - 1) Switch Physical Presence Jumper to ON;
    - 2) If the Physical Presence Policy has been set to enabled ( F1 Setup -> System Settings -> Security -> Physical Presence Policy Configuration), user is allowed to assert remote Physical Presence via IPMI tool.)
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP0025I: The default system settings have been restored.**

This message is reported when the default system settings have been restored.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP0027N: System uncorrectable error has occurred on Processor [arg1] Core [arg2] MC bank [arg3] with MC Status [arg4], MC Address [arg5], and MC Misc [arg6].**

This message is reported when system uncorrectable error has occurred.

Severity: Error

Parameters:

[arg1] Socket number, 1-based.

[arg2] CoreNumber

[arg3] McBankNumber

[arg4] McaStatus

[arg5] McaAddress

[arg6] McaMisc

User Action:

Complete the following steps:

1. Perform a virtual reseal or AC cycle the server.
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP0030N: A firmware fault has been detected in the UEFI image.**

This message is reported when a firmware fault has been detected in the UEFI image.

Severity: Error

User Action:

Complete the following steps:

1. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this error.
2. Reflash UEFI image.
3. Undo recent system changes (settings or devices added). Verify that the system boots. Then, re-install options one at a time to locate the problem.
4. If the problem persists, save customer's UEFI configurations, then remove and re-install CMOS battery for 30 seconds to clear CMOS contents. If it boots successfully, then restore system settings.
5. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFP0031N: The number of POST attempts has reached the value configured in F1 setup. The system has booted with default UEFI settings. User specified settings have been preserved and will be used on subsequent boots unless modified before rebooting.**

This message is reported when the number of POST attempts has reached the value configured in F1 setup.

Severity: Error

User Action:

Complete the following steps:

1. Original UEFI settings are still present. If customer desires to continue using the original settings, select Save Settings.
2. If User did not intentionally trigger the reboots, check logs for probable cause. For example, if there is a battery fault event, follow the steps to resolve that event.
3. Undo recent system changes (settings or devices added). Verify that the system boots. Then, re-install options one at a time to locate the problem.
4. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this error. Update UEFI firmware if applicable.
5. Save customer's UEFI configurations, then remove and re-install CMOS battery for 30 seconds to clear CMOS contents. If it boots successfully, then restore system settings.
6. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFP0035N: A 3-strike timeout has occurred on processor [arg1].**

This message is reported when FEH detects CPU 3strike error.

Severity: Error

Parameters:

[arg1] Socket number, 1-based

User Action:

Complete the following steps:

1. Check Lenovo Support site for an applicable service bulletin or UEFI firmware update that applies to this error.
2. Power off the system and remove A/C power.
3. Restore A/C power and power on the system.
4. Determine if there have been recent changes to the hardware, firmware or operating system. Reverse them if possible.
5. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP0039G: 3rd party option rom of PCIe physical [arg1] number [arg2] failed secure boot verification.**

This message is used to report un-trusted image from slot/NVMe when Security Boot is enabled.

Severity: Warning

Parameters:

[arg1] slot/bay

[arg2] slot number/bay number

User Action:

Complete the following steps:

1. It is a security warning message reported when the customer wants to load an unauthorized UEFI option ROM (device image) from slot/NVMe bay while Secure Boot is enabled. If the customer does not want to load any unauthorized UEFI option ROM (device image) from slot/NVMe bay, there are two ways to disable it:
  - a. Remove the device from slot or bay.
  - b. Disable the UEFI option ROM policy for the failed slot (in F1 Setup -> System Settings -> Devices and I/O Ports -> Enable / Disable UEFI Option ROM(s))
2. If the customer does want to load this unauthorized UEFI option ROM from slot/NVMe bay, disable Secure Boot(in F1 Setup -> System Settings -> Secure Boot).
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP0040G: Secure boot keys were reset to factory default.**

This message is reported when secure boot keys were reset to factory default.

Severity: Warning

User Action:

Complete the following steps:

1. It is a warning message reported when NVRAM corruption occurs while Secure Boot is enabled.
2. Users need to re-enroll their certification keys.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP00062F: System uncorrected recoverable error happened in Processor [arg1] Core [arg2] MC bank [arg3] with MC Status [arg4], MC Address [arg5], and MC Misc [arg6].**

This message is reported when system uncorrected recoverable error happened.

Severity: Warning

Parameters:

*[arg1]* Socket number, 1-based

*[arg2]* CoreNumber

*[arg3]* McBankNumber

*[arg4]* McaStatus

*[arg5]* McaAddress

*[arg6]* McaMisc

User Action:

Complete the following steps:

1. Perform a virtual reseal or AC cycle the server.
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP04033F: TPM Firmware recovery is in progress. Please DO NOT power off or reset system.**

The Audit log will be reported when TPM firmware is under recovery progress.

Severity: Warning

User Action:

Information only; no action is required.

**Note:** The system will not respond to power off signal (FQXSFP04034I) while TPM firmware recovery in progress.

- **FQXSFP04034I: TPM Firmware recovery is finished, rebooting system to take effect.**

The Audit log will be reported after TPM Firmware recovery is finished.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP04035M: TPM Firmware recovery failed. TPM chip may be damaged.**

The Audit log will be reported when TPM Firmware recovery failed.

Severity: Warning

User Action:

Complete the following steps:

1. Reboot the system.
2. If the error recurs TPM related features will not work.

3. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFP4038I: TPM Firmware recovery successful.**

The Audit log will be reported when TPM Firmware recovery is successful.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4040M: TPM selftest has failed.**

The Audit log will be reported when the TPM selftest fails.

Severity: Warning

User Action:

Complete the following steps:

1. Reboot the system.
2. If the error recurs TPM related features will not work.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFP4041I: TPM Firmware update is in progress. Please DO NOT power off or reset system.**

The Audit log will be reported when TPM Firmware update is in progress.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4042I: TPM Firmware update is finished, rebooting system to take effect.**

The Audit log will be reported when TPM Firmware update is finished.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4044I: The current TPM firmware version could not support TPM version toggling.**

The Audit log will be reported when the current TPM firmware version is not valid for toggling.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4050G: Failed to update TPM Firmware.**

The Audit log will be reported when TPM firmware upgrade is failed.

Severity: Warning

User Action:

Complete the following steps:

1. Clear TPM via TPM operation and retry TPM firmware update by following the instructions in your product's User Guide. Go to <https://pubs.lenovo.com> and click your product's link. Usually, the TPM update information is in "System board assembly replacement" section in "Hardware replacement procedures".
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP4051G: Undefined TPM\_POLICY found.**

The Audit log will be reported when the TPM policy is not defined yet.

Severity: Warning

User Action:

Complete the following steps:

1. Reboot the system.
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP4052G: TPM\_POLICY is not locked.**

The Audit log will be reported when TPM policy is not lock yet.

Severity: Warning

User Action:

Complete the following steps:

1. Reboot the system.
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP4053G: System TPM\_POLICY does not match the planar.**

The Audit log will be reported if TPM policy setting is set to disable but TPM device is found on system.

Severity: Warning

User Action:

Complete the following steps:

1. Remove any newly added TPM/TCM card from the planar or re-install the original TPM/TCM card that shipped with the system.
2. Reboot the system.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP4056M: TPM card is changed, need install back the original TPM card which shipped with the system.**

The Audit log will be reported if NationZ device is removed from system after TPM is bound to system.

Severity: Error

User Action:

Complete the following steps:

1. Re-install the original TCM/TPM card that shipped with the system.
2. Reboot the system.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFP4062I: CPU debugging is deactivated.**

This message is reported when user disabled CPU debugging.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4062M: CPU debugging is activated.**

This message is reported when user enabled CPU debugging.

Severity: Warning

User Action:

Contact Lenovo Support.

- **FQXSFP4080I: Host Power-On password has been changed.**

This message is reported when Host Power-On password has been changed.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4081I: Host Power-On password has been cleared.**

This message is reported when Host Power-On password has been cleared.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4082I: Host Admin password has been changed.**

This message is reported when Host Admin password has been changed.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4083I: Host Admin password has been cleared.**

This message is reported when Host Admin password has been cleared.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4084I: Host boot order has been changed.**

This message is reported when boot order has been changed.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4086G: UEFI extra setting [arg1] is not found in current UEFI [arg2].**

This message is reported when the extra settings specified in the exposure config file cannot be found during POST. The reason might be incorrect hardware configuration or UEFI build mismatch.

Severity: Warning

Parameters:

[arg1] UEFI extra setting name specified in the exposure config file which is imported by end user.

[arg2] UEFI current build ID.

User Action:

Complete the following steps:

1. Check if the current UEFI version is compatible with the UEFI version specified in the exposure config file.
2. If the current UEFI version does not meet the requirement, update UEFI to the compatible version at first, and then re-import the exposure config file.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP4087G: UEFI extra setting [arg1] value [arg2] is invalid in current UEFI [arg3].**

This message is reported when the UEFI extra setting value specified by the exposure config file is invalid in the current UEFI version. The reason might be incorrect hardware configuration or UEFI build mismatch.

Severity: Warning

Parameters:

[arg1] UEFI extra setting name specified in the exposure config file which is imported by end user.

[arg2] UEFI extra setting value which is in Redfish format and specified in the exposure config file imported by end user.

[arg3] UEFI current build ID.

User Action:

Complete the following steps:

1. Check if the current UEFI version is compatible with the UEFI version specified in the exposure config file.
2. If the current UEFI version does not meet the requirement, update UEFI to the compatible version, and then re-import the exposure config file.
3. If the value is still invalid, set the setting to a supported value through out-of-band (OneCLI or Redfish) and restart the system to make the changes take effect. Also re-check if the setting value is set successfully or not.
4. If need a new exposure config file compatible with the current UEFI version, collect Service Data logs and contact Lenovo Support.

- **FQXSFP4088G: Custom default[arg1] is not present, unable to append custom default for UEFI extra setting [arg2].**

This message is reported when the custom default value for the UEFI extra setting failed be appended to the custom default profile because the custom default is not present.

Severity: Warning

Parameters:

[arg1] UEFI custom default name specified in the exposure config file which is imported by end user. Only one custom default is supported now, then always output "".

[arg2] UEFI extra setting name specified in the exposure config file which is imported by end user.

User Action:

Complete the following steps:

1. If the custom default value is already created, collect service data logs and contact Lenovo Support.
  2. If the custom default value is not created, set the setting to a supported value through out-of-band (OneCLI or Redfish), restart the system to make the changes take effect, and then create custom defaults. (Note: The values of all other settings would be set to custom default values.)
- **FQXSFP4089G: UEFI extra setting [arg1] value [arg2] for custom default[arg3] is invalid in current UEFI [arg4].**

This message is reported when the custom default value specified for the UEFI extra setting in the exposure config file is invalid in the current UEFI version. The reason might be hardware configuration or UEFI build mismatch.

Severity: Warning

Parameters:

[arg1] UEFI extra setting name specified in the exposure config file which is imported by end user.

[arg2] Custom default value specified for the UEFI extra setting in the exposure config file which is imported by end user.

[arg3] UEFI custom default name specified in the UEFI extra setting exposure config file which is imported by end user. Only one custom default is supported now, then always output "".

[arg4] UEFI current build ID.

User Action:

Complete the following steps:

1. Check if the current UEFI version is compatible with the UEFI version specified in the exposure config file.
  2. If the current UEFI version does not meet the requirement, update UEFI to the compatible version, and then re-import the exposure config file.
  3. If the custom default value is still invalid, set the setting to a supported value through out-of-band (OneCLI or Redfish), restart the system to make the changes take effect, and then create custom default based on the supported value. (Note: the values of all other settings would be set to custom default value.)
  4. If you need to add the custom default value for the UEFI extra setting through the exposure config file, collect Service Data logs and contact Lenovo Support.
- **FQXSFP4090G: UEFI extra setting [arg1] is not found after updating UEFI to [arg2].**

This message is reported when the UEFI extra setting cannot be found during POST after a UEFI firmware flash. The reason might be UEFI version change.

Severity: Warning

Parameters:

[arg1] UEFI extra setting name specified in the exposure config file which is imported by end user.

[arg2] UEFI current build ID after updating UEFI.

User Action:

Complete the following steps:

1. Check if the current UEFI version is compatible with the UEFI version specified in the exposure config file.
  2. If the current UEFI version is not compatible with the UEFI version specified in the exposure config file, collect Service Data logs and contact Lenovo Support for a new exposure config file.
- **FQXSFP4091G: UEFI extra setting [arg1] value is changed from [arg2] to [arg3] after updating UEFI to [arg4].**

This message is reported when the value of the UEFI extra setting is not kept after a UEFI firmware update. The possible reason is that the value is dropped in the new UEFI version or the value is controlled by one or more Lenovo normal settings.

Severity: Warning

Parameters:

*[arg1]* UEFI extra setting name specified in the exposure config file which is imported by end user.

*[arg2]* UEFI extra setting previous value in Redfish format.

*[arg3]* UEFI extra setting current value in Redfish format.

*[arg4]* UEFI current build ID after updating UEFI.

User Action:

Complete the following steps:

1. Check if the previous value is still supported by the new UEFI version. If the new value is not expected, then modify the value to the new expected one through out-of-band (OneCLI or Redfish).
  2. Check if the UEFI extra setting is controlled by any UEFI normal settings. If yes and you do not want to keep the UEFI extra setting exposed to out-of-band, do one of the following:
    - a. Delete the exposure config file if all extra settings are not expected to be exposed to out-of-band.
    - b. Collect Service Data logs and contact Lenovo Support to provide a new exposure config file if partial extra settings are not expected to be exposed to out-of-band.
- **FQXSFP4092I: UEFI extra setting [arg1] is replaced by UEFI normal setting [arg2] after updating UEFI to [arg3].**

This message is reported when the UEFI extra setting is replaced by UEFI normal settings after a UEFI firmware update. The UEFI extra setting in the exposure config file still can be read from out-of-band, but any change to the setting will no longer take effect.

Severity: Info

Parameters:

*[arg1]* UEFI extra setting name specified in the exposure config file which is imported by end user.

*[arg2]* UEFI normal setting name the same as Redfish DisplayName and System Setup Utility display name.

*[arg3]* UEFI current build ID after updating UEFI.

User Action:

Information only; no action is required.

- **FQXSFP4093G: UEFI setting [arg1] value [arg2] of custom default[arg3] is invalid in current UEFI [arg4].**

This message is reported when a previous custom default setting value cannot be applied in current UEFI version. The custom default value used during load custom defaults is not suitable for the current UEFI setting.

Severity: Warning

Parameters:

[arg1] UEFI setting name the same as Redfish DisplayName and System Setup Utility display name.

[arg2] UEFI setting custom default value in Redfish format.

[arg3] UEFI custom default name. Only one custom default is supported now, then always output "".

[arg4] UEFI current build ID.

User Action:

Complete the following steps:

1. Reset a new customer default for this setting for current UEFI version.
2. If it still failed, contact Lenovo Support for help.

- **FQXSFP4094I: UEFI extra settings exposure config file import successfully.**

This message is reported when the Exposure Config File (ECF) is imported successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4095G: UEFI extra settings exposure config file import failed.**

This message is reported when the UEFI extra settings exposure config file failed to be imported. The file does not pass file signature verification.

Severity: Warning

User Action:

Complete the following steps:

1. Check if the UEFI extra settings exposure config file is provided by Lenovo and the file is not corrupted.
2. If the file attributes are normal, collect Service Data logs and contact Lenovo Support to check the file integrity.

- **FQXSFP4096I: UEFI extra settings exposure config file is deleted and all UEFI extra settings are unset.**

This message is reported when the UEFI extra settings exposure config file is deleted.

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFPW0001L: CMOS has been cleared.**

This message is reported when CMOS has been cleared.

Severity: Warning

User Action:

Complete the following steps:

1. If the CMOS clear was user initiated this event can be safely ignored and no further action is required.
2. If the system was recently installed, moved, or serviced, make sure the battery is properly seated.
3. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this error.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFSM0008M: Boot permission timeout detected.**

This message is reported when Boot permission timeout detected.

Severity: Error

User Action:

Complete the following steps:

1. Review XCC logs for communication errors and resolve.
2. AC cycle the system.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFSR0001M: [arg1] GPT corruption detected, DiskGUID: [arg2]**

This message is reported when GPT corruption detected.

Severity: Warning

Parameters:

*[arg1]* GPT corruption location. "Primary" Only primary GPT partition table corruption. "Backup" Only backup GPT partition table corruption. "Both Primary and Backup" Both GPT partition tables corruption.

*[arg2]* Disk GUID.

User Action:

Complete the following steps:

1. Remove all the external drive during POST to avoid that this event is triggered by mistake.
2. Check the XCC event log. If this event has a follow up recovery event log, it means that GTP corruption has been recovered successfully. Ignore this event message and do not perform the remaining steps.
3. Back up the data disk.
4. Press F1 Setup->System Settings->Recovery and RAS->Disk GPT Recovery and set the value to "Automatic".
5. Save the settings and restart the system.
6. Boot to F1 setup. The system will automatically try to recover the GPT during the POST.
7. Restart the system.
8. Re-format the LUN or disk and re-install the OS.
9. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFSR0002I: [arg1] GPT corruption recovered, DiskGUID: [arg2]**

This message is reported when GPT corruption repaired.

Severity: Info

Parameters:

[arg1] GPT corruption location. "Primary" Only primary GPT partition table corruption. "Backup" Only backup GPT partition table corruption. "Both Primary and Backup" Both GPT partition tables corruption.

[arg2] Disk GUID

User Action:

Information only; no action is required.

- **FQXSFSR0003G: The number of boot attempts has been exceeded. No bootable device found.**

This message is reported when Boot OS failed more than 50 times.

Severity: Warning

User Action:

Complete the following steps:

1. Remove AC power from the system.
2. Connect at least one bootable device to the system.
3. Connect AC power to the system.
4. Power on system and retry.
5. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFSR0003I: Boot OS successfully.**

This message is reported when clear sensor status which previous boot failed more than 50 times when boot OS successfully.

Severity: Info

User Action:

User boot OS successfully.

- **FQXSFTTR0001L: An invalid date and time have been detected.**

This message is reported when an invalid date and time have been detected.

Severity: Warning

User Action:

Complete the following steps:

1. Check the XCC event logs. This event should immediately precede an FQXSFPW0001L error. Resolve that event or any other battery related errors.
2. Use F1 Setup to reset date and time.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.



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## Chapter 4. XClarity Provisioning Manager events

The following events can be generated by the Lenovo XClarity Provisioning Manager.

For each event code, the following fields are displayed:

### Event identifier

An identifier that uniquely identifies an event.

### Event description

The logged message string that appears for an event.

### Explanation

Provides additional information to explain why the event occurred.

### Severity

An indication of the level of concern for the condition. The severity is abbreviated in the event log to the first character. The following severities can be displayed:

- **Informational.** The event was recorded for audit purposes, usually a user action or a change of states that is normal behavior.
- **Warning.** The event is not as severe as an error, but if possible, the condition should be corrected before it becomes an error. It might also be a condition that requires additional monitoring or maintenance.
- **Error.** The event is a failure or critical condition that impairs service or an expected function.

### User Action

Indicates what actions you should perform to solve the event. Perform the steps listed in this section in the order shown until the problem is solved. If you cannot solve the problem after performing all steps, contact Lenovo Support.

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## LXPM events organized by severity

The following table lists all LXPM events, organized by severity (Information, Error, and Warning).

Table 4. Events organized by severity

| Event ID     | Message String                             | Severity      |
|--------------|--------------------------------------------|---------------|
| FQXPMCL0005I | Start to install OS: [arg1].               | Informational |
| FQXPMCL0006I | Export RAID configuration successfully.    | Informational |
| FQXPMCL0007I | Import RAID configuration successfully.    | Informational |
| FQXPMCL0008I | Export UEFI settings successfully.         | Informational |
| FQXPMCL0009I | Import UEFI settings successfully.         | Informational |
| FQXPMCL0010I | Export BMC settings successfully.          | Informational |
| FQXPMCL0011I | Import BMC settings successfully.          | Informational |
| FQXPMEM0002I | LXPM firmware image found. Starting LXPM.  | Informational |
| FQXPMEM0003I | LXPM has exited. Control returned to UEFI. | Informational |

Table 4. Events organized by severity (continued)

| Event ID     | Message String                                        | Severity      |
|--------------|-------------------------------------------------------|---------------|
| FQXPMEM0004I | Launching diagnostic program.                         | Informational |
| FQXPMEM0005I | Boot diagnostic program successfully.                 | Informational |
| FQXPMER0002I | Clearing RAID configuration and internal storage data | Informational |
| FQXPMER0003I | RAID configuration cleared successfully               | Informational |
| FQXPMER0004I | Internal storage drives erased successfully           | Informational |
| FQXPMER0005I | All system logs cleared successfully                  | Informational |
| FQXPMER0006I | UEFI factory default settings loaded successfully     | Informational |
| FQXPMER0007I | BMC factory default settings loaded successfully      | Informational |
| FQXPMNM0002I | Set BMC network parameters to new values.             | Informational |
| FQXPMOS0028I | Start to install OS: [arg1].                          | Informational |
| FQXPMSR0012I | Change disk drives' state successfully.               | Informational |
| FQXPMSR0022I | Create new virtual disk(s) successfully.              | Informational |
| FQXPMSR0032I | Removed existing virtual disk(s) successfully.        | Informational |
| FQXPMUP0101I | Start to update LXPM.                                 | Informational |
| FQXPMUP0102I | Start to update Window driver.                        | Informational |
| FQXPMUP0103I | Start to update Linux driver.                         | Informational |
| FQXPMUP0104I | Start to update UEFI.                                 | Informational |
| FQXPMUP0105I | Start to update BMC.                                  | Informational |
| FQXPMUP0106I | Successfully updated the firmware.                    | Informational |
| FQXPMVD0003I | Update VPD data successfully.                         | Informational |
| FQXPMCL0001K | Bootx64.efi is not found. Failed to Boot OS.          | Warning       |
| FQXPMCL0003K | BMC communication failed: DRIVER Mount Failure.       | Warning       |
| FQXPMCL0004K | BMC communication succeeded. Volume Name Mismatched.  | Warning       |
| FQXPMCL0006K | Failed to export RAID configuration.                  | Warning       |
| FQXPMCL0007K | Failed to import RAID configuration.                  | Warning       |
| FQXPMCL0008K | Failed to export UEFI settings.                       | Warning       |
| FQXPMCL0009K | Failed to import UEFI settings.                       | Warning       |
| FQXPMCL0010K | Failed to export BMC settings.                        | Warning       |
| FQXPMCL0011K | Failed import BMC settings.                           | Warning       |
| FQXPMNM0001G | Failed to set new BMC network parameters.             | Warning       |
| FQXPMOS0001K | Bootx64.efi is not found. Failed to Boot OS.          | Warning       |
| FQXPMOS0004K | BMC Communication Failed: EMMC2USB Mount Failure.     | Warning       |
| FQXPMOS0005K | BMC communication failed: DRIVER Mount Failure.       | Warning       |
| FQXPMOS0006K | BMC communication succeeded. Volume Name Mismatched.  | Warning       |

Table 4. Events organized by severity (continued)

| Event ID     | Message String                                                                                       | Severity |
|--------------|------------------------------------------------------------------------------------------------------|----------|
| FQXPMOS0007K | Failed to read License RTF file.                                                                     | Warning  |
| FQXPMOS0008K | Failed to detect any remote OS media for OS installation.                                            | Warning  |
| FQXPMSR0001K | Found unsupported RAID adapter.                                                                      | Warning  |
| FQXPMSR0011K | Failed to change disk drives' state.                                                                 | Warning  |
| FQXPMSS0001K | Failed to mount work partition while getting service data.                                           | Warning  |
| FQXPMSS0002K | Failed to mount work partition while getting debug log.                                              | Warning  |
| FQXPMSS0003K | No service data file created in the work partition                                                   | Warning  |
| FQXPMSS0004K | No debug log file created in the work partition                                                      | Warning  |
| FQXPMUP0003K | Unable to obtain the minimum level of UEFI.                                                          | Warning  |
| FQXPMUP0004K | Unable to obtain the installed version of UEFI.                                                      | Warning  |
| FQXPMUP0005K | Unable to obtain the installed version of BMC.                                                       | Warning  |
| FQXPMUP0006K | Unable to obtain the installed version of LXPM.                                                      | Warning  |
| FQXPMUP0007K | Unable to obtain the installed version of Linux driver.                                              | Warning  |
| FQXPMUP0008K | Unable to obtain the installed version of Windows driver.                                            | Warning  |
| FQXPMVD0001H | Failed to get VPD data.                                                                              | Warning  |
| FQXPMVD0002H | Failed to update the VPD data.                                                                       | Warning  |
| FQXPMVD0011K | Failed to get the TPM/TPM card/TCM policy status.                                                    | Warning  |
| FQXPMVD0012K | Failed to set the TPM/TPM card/TCM policy.                                                           | Warning  |
| FQXPMEM0001M | Unable to locate LXPM firmware image.                                                                | Error    |
| FQXPMEM0006M | Unable to locate diagnostic firmware image.                                                          | Error    |
| FQXPMEM0007M | Diagnostic image cannot be launched as "Console Redirection" is enabled.                             | Error    |
| FQXPMEM0008M | Diagnostic image cannot be launched as the image may be corrupt.                                     | Error    |
| FQXPMER0002M | Failed to clear RAID configuration.                                                                  | Error    |
| FQXPMER0003M | Failed to erase internal storage drives.                                                             | Error    |
| FQXPMER0004M | Failed to clear system logs.                                                                         | Error    |
| FQXPMER0005M | Failed to load UEFI factory default settings.                                                        | Error    |
| FQXPMER0006M | Failed to load XCC factory default settings.                                                         | Error    |
| FQXPMSD0001M | HDD Test was interrupted by the host with a hardware or software reset.                              | Error    |
| FQXPMSD0002M | A fatal error or unknown test error occurred while the device was executing its self-test.           | Error    |
| FQXPMSD0003M | Self-test completed having a test element that failed and the test element that failed is not known. | Error    |
| FQXPMSD0004M | Self-test completed having the electrical element of the test failed.                                | Error    |

Table 4. Events organized by severity (continued)

| Event ID     | Message String                                                                               | Severity |
|--------------|----------------------------------------------------------------------------------------------|----------|
| FQXPMSD0005M | Self-test completed having the servo (and/or seek) test element of the test failed.          | Error    |
| FQXPMSD0006M | Self-test completed having the read element of the test failed.                              | Error    |
| FQXPMSD0007M | Hard Drive(s) not found                                                                      | Error    |
| FQXPMSD0008M | UEFI is not ready for LXPM to send command to test hard drive.                               | Error    |
| FQXPMSD0009M | Device error detected when LXPM sent a test command to a hard drive.                         | Error    |
| FQXPMSD0010M | UEFI timed out when LXPM sent a test command to a hard drive.                                | Error    |
| FQXPMSD0011M | The hard drive is not supported by UEFI while LXPM sent a command to test the hard drive.    | Error    |
| FQXPMSR0021L | Failed to create new virtual disk(s).                                                        | Error    |
| FQXPMSR0031L | Failed to remove existing virtual disk(s).                                                   | Error    |
| FQXPMUP0201M | BMC communication failed: EMMC2USB mount failure. Failed to update the firmware.             | Error    |
| FQXPMUP0202M | Transfer the update package error. Failed to update the firmware.                            | Error    |
| FQXPMUP0203M | BMC communication failed: EMMC2USB unmount failure. Failed to update the firmware.           | Error    |
| FQXPMUP0204M | BMC communication failed: Execute the update command failure. Failed to update the firmware. | Error    |
| FQXPMUP0205M | BMC communication failed: Get the update status failure. Failed to update the firmware.      | Error    |
| FQXPMUP0206M | The level of the update package is too old. Failed to update the firmware.                   | Error    |
| FQXPMUP0207M | The update package is invalid. Failed to update the firmware.                                | Error    |
| FQXPMUP0208M | Failed to execute the reboot BMC command.                                                    | Error    |

## List of XClarity Provisioning Manager events

This section lists all messages that can be sent from the Lenovo XClarity Provisioning Manager.

- **FQXPMCL0001K: Bootx64.efi is not found. Failed to Boot OS.**

This message is reported when OS installation failed to start because Bootx64.efi was not found.

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. If the problem persists, reflash BMC firmware.
3. Reboot system and retry OS booting.
4. Perform AC reset or virtual reset.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

5. If the problem persists, contact technical support.

- **FQXPMCL0003K: BMC communication failed: DRIVER Mount Failure.**

This message is reported when OS installation failed because of a driver mount failure.

Severity: Warning

User Action:

1. Ensure proper operation of the virtual USB connection.
2. Restart BMC via supported method and reboot the system.
3. Reflash BMC firmware.
4. Clone the image over and retry the operation.
5. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

6. If the problem persists, contact technical support.

- **FQXPMCL0004K: BMC communication succeeded. Volume Name Mismatched.**

This message is reported when OS installation failed because the volume name was mismatched.

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. Reflash BMC firmware.
3. Clone the image over and retry the operation.
4. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

5. If the problem persists, contact technical support.

- **FQXPMCL0005I: Start to install OS: [arg1].**

This message is reported when OS installation starts.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0006I: Export RAID configuration successfully.**

This message is reported when RAID configuration is exported successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0006K: Failed to export RAID configuration.**

This message is reported when RAID configuration failed to be exported.

Severity: Warning

User Action:

1. Check the following Lenovo Support site for information on supported RAID adapters. <https://serverproven.lenovo.com>
2. Ensure that RAID adapter, LXPm, and UEFI firmware are at the latest levels.
3. Ensure that the state of the RAID adapter and disk drives are normal.
4. Verify proper physical connection of the disk drive, SAS expander (if applicable) and RAID adapter.
5. Reboot the machine and retry the export of the RAID configuration.
6. If the problem persists, contact technical support.

- **FQXPMCL0007I: Import RAID configuration successfully.**

This message is reported when RAID configuration is imported successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0007K: Failed to import RAID configuration.**

This message is reported when RAID configuration failed to be imported.

Severity: Warning

User Action:

1. Check the following Lenovo Support site for information on supported RAID adapters. <https://serverproven.lenovo.com>
2. Ensure that RAID adapter, LXPm, and UEFI firmware are at the latest levels.
3. Ensure that the state of RAID adapter and disk drives are healthy.
4. Ensure good physical connection between the disk drives and RAID adapter.
5. Ensure that the platform and RAID config is identical to original configuration.
6. Reboot the machine and retry the import of the RAID configuration.
7. If the problem persists, contact technical support.

- **FQXPMCL0008I: Export UEFI settings successfully.**

This message is reported when UEFI settings are exported successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0008K: Failed to export UEFI settings.**

This message is reported when UEFI settings failed to be exported.

Severity: Warning

User Action:

1. Ensure proper connection to USB/network drive and retry to export UEFI setting.
2. Reboot and try the UEFI setting export again.

3. Reflash UEFI firmware.
4. If the problem persists, contact technical support.

- **FQXPMCL0009I: Import UEFI settings successfully.**

This message is reported when UEFI settings are imported successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0009K: Failed to import UEFI settings.**

This message is reported when UEFI settings failed to be imported.

Severity: Warning

User Action:

1. Ensure proper connection to USB/network drive and retry the UEFI setting import.
2. Ensure that same system model type to import the UEFI setting and UEFI version should be the same.
3. Reboot and try to import a new clone of the UEFI settings.
4. Reflash UEFI firmware.
5. If the problem persists, contact technical support.

- **FQXPMCL0010I: Export BMC settings successfully.**

This message is reported when BMC settings are exported successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0010K: Failed to export BMC settings.**

This message is reported when BMC settings failed to be exported.

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. Perform AC reset.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

3. Retry the export of BMC setting.
4. If the problem persists, contact technical support.

- **FQXPMCL0011I: Import BMC settings successfully.**

This message is reported when BMC settings are imported successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0011K: Failed import BMC settings.**

This message is reported when BMC settings failed to be imported.

Severity: Warning

User Action:

1. Ensure BMC version is the same between source and target.
2. Restart BMC via supported method and reboot the system.
3. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. Retry the import of BMC setting.
5. If the problem persists, contact technical support.

- **FQXPMEM0001M: Unable to locate LXPM firmware image.**

This message is reported when locating LXPM firmware image failed during LXPM boot.

Severity: Error

User Action:

1. Restart BMC via supported method and reboot the system.
2. Reflash the LXPM.
3. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. If the problem persists, contact technical support.

- **FQXPMEM0002I: LXPM firmware image found. Starting LXPM.**

This message is reported when LXPM is starting.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMEM0003I: LXPM has exited. Control returned to UEFI.**

This message is reported when LXPM has exited.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMEM0004I: Launching diagnostic program.**

This message is reported when the diagnostic program is starting.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMEM0005I: Boot diagnostic program successfully.**

This message is reported when the diagnostic program is launched successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMEM0006M: Unable to locate diagnostic firmware image.**

This message is reported when locating diagnostic firmware image failed during diagnostic boot.

Severity: Error

User Action:

1. Restart BMC via supported method and reboot the system.
2. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

3. If the problem persists, contact technical support.

- **FQXPMEM0007M: Diagnostic image cannot be launched as "Console Redirection" is enabled.**

This message is reported when the diagnostic image failed to be launched because "Console Redirection" is enabled.

Severity: Error

User Action:

1. Disable "Configure Console Redirection" in UEFI Setup by following below steps: - Go to F1 Setup -> System Settings -> Devices and I/O Ports-> Console Redirection Settings -> - Select "Console Redirection" - Change the setting to "Disable" and save - Next reboot the system.
2. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

3. If the problem persists, contact technical support.

- **FQXPMEM0008M: Diagnostic image cannot be launched as the image may be corrupt.**

This message is reported when the diagnostic image failed to be launched because the image may be corrupted.

Severity: Error

User Action:

1. Restart BMC via supported method and reboot the system.
2. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

3. Reflash the LXPM.
4. If the problem persists, contact technical support.

- **FQXPMER0002I: Clearing RAID configuration and internal storage data**

This message is reported when RAID configuration and internal storage data is being cleared.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMER0002M: Failed to clear RAID configuration.**

This message is reported when RAID configuration failed to be cleared.

Severity: Error

User Action:

1. Restart the system and retry the operation again.
2. If the problem persists, contact technical support.

- **FQXPMER0003I: RAID configuration cleared successfully**

This message is reported when RAID configuration is cleared successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMER0003M: Failed to erase internal storage drives.**

This message is reported when internal storage drives failed to be erased.

Severity: Error

User Action:

1. Ensure the proper connection of hard drives, backplane, and related cables.
2. Check if security function is enabled for the hard disk drives, if yes, disable that and retry the operation.
3. Ensure that device firmware is at the latest level.
4. Restart the system and retry the operation again.
5. If the problem persists, contact technical support.

- **FQXPMER0004I: Internal storage drives erased successfully**

This message is reported when internal storage drives are erased successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMER0004M: Failed to clear system logs.**

This message is reported when system logs failed to be cleared.

Severity: Error

User Action:

1. Restart BMC via supported method and reboot the system.

2. Retry this operation again.
3. If the problem persists, contact technical support.

- **FQXPMER0005I: All system logs cleared successfully**

This message is reported when all system logs are cleared successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMER0005M: Failed to load UEFI factory default settings.**

This message is reported when UEFI factory default settings failed to be loaded.

Severity: Error

User Action:

1. Restart BMC via supported method and reboot the system.
2. Retry this operation again.
3. If the problem persists, contact technical support.

- **FQXPMER0006I: UEFI factory default settings loaded successfully**

This message is reported when UEFI factory default settings are loaded successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMER0006M: Failed to load XCC factory default settings.**

This message is reported when XCC factory default settings failed to be loaded.

Severity: Error

User Action:

1. Restart BMC via supported method and reboot the system.
2. Retry this operation again.
3. If the problem persists, perform AC power cycle. (wait for several seconds between AC power is off and on)
4. Retry this operation again.
5. If the problem persists, contact technical support.

- **FQXPMER0007I: BMC factory default settings loaded successfully**

This message is reported when BMC factory default settings are loaded successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMMN0001G: Failed to set new BMC network parameters.**

This message is reported when BMC network parameters failed to be set.

Severity: Warning

User Action:

1. Ensure input parameters are valid.
2. Wait for one minute and retry the setting.
3. Restart BMC via supported method and reboot the system.
4. Retry the setting change.
5. Use UEFI setup to change parameters (optional).

- **FQXPMNM0002I: Set BMC network parameters to new values.**

This message is reported when BMC network parameters are set successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0001K: Bootx64.efi is not found. Failed to Boot OS.**

This message is reported when OS installation failed to start because Bootx64.efi was not found.

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. Reflash BMC firmware.
3. Reboot system and retry OS booting.
4. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

5. If the problem persists, contact technical support.

- **FQXPMOS0004K: BMC Communication Failed: EMMC2USB Mount Failure.**

This message is reported when OS installation failed because of work partition mount failure.

Severity: Warning

User Action:

1. Ensure proper operation of the virtual USB connection.
2. Restart BMC via supported method and reboot the system.
3. Reflash BMC firmware.
4. Retry OS deployment.
5. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

6. If the problem persists, contact technical support.

- **FQXPMOS0005K: BMC communication failed: DRIVER Mount Failure.**

This message is reported when OS installation failed because of a driver mount failure.

Severity: Warning

User Action:

1. Ensure proper operation of the virtual USB connection.
2. Restart BMC via supported method and reboot the system.
3. Reflash BMC firmware.
4. Retry OS deployment.
5. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

6. If the problem persists, contact technical support.

- **FQXPMOS0006K: BMC communication succeeded. Volume Name Mismatched.**

This message is reported when OS installation failed because volume name mismatched.

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. If the problem persists, reflash BMC firmware.
3. Retry OS deployment.
4. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

5. If the problem persists, contact technical support.

- **FQXPMOS0007K: Failed to read License RTF file.**

This message is reported when LXPM failed to read the license file from the OS media.

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. If the problem persists, reflash BMC firmware.
3. Use another OS media (USB DVD or USB key).
4. Retry OS deployment.
5. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

6. If the problem persists, contact technical support.

- **FQXPMOS0008K: Failed to detect any remote OS media for OS installation.**

This message is reported when no remote OS media was found for OS installation.

Severity: Warning

User Action:

1. Ensure that proper operation of SMB/CIFS and NFS communications (make sure the Ethernet cable has been plugged and network settings are correct.).
2. Make sure that the OS version and folder path are correct.
3. Retry CIFS and NFS installation.
4. If the problem persists, contact technical support.

- **FQXPMS0028I: Start to install OS: [arg1].**

This message is reported when OS installation starts.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMSD0001M: HDD Test was interrupted by the host with a hardware or software reset.**

This message is reported when HDD test was interrupted by the controller.

Severity: Error

User Action:

1. Remove A/C from the server and reseal all drives, backplanes, RAID adapters, expanders (if any), and cables.
2. Ensure that device firmware is at the latest level.
3. Retry the test.
4. If the problem persists, contact technical support.

- **FQXPMSD0002M: A fatal error or unknown test error occurred while the device was executing its self-test.**

This message is reported when a fatal error or unknown test error occurred while the device was executing its self-test.

Severity: Error

User Action:

1. Remove A/C from the server and reseal all drives, backplanes, RAID adapters, expanders (if any), and cables.
2. Ensure that device firmware is at the latest level.
3. Retry the test.
4. If the problem persists, contact technical support.

- **FQXPMSD0003M: Self-test completed having a test element that failed and the test element that failed is not known.**

This message is reported when self-test completed with an unknown test element failed.

Severity: Error

User Action:

1. Remove A/C from the server and reseal all drives, backplanes, RAID adapters, expanders (if any), and cables.
2. Ensure that device firmware is at the latest level.
3. Retry the test.

4. If the problem persists, contact technical support.

- **FQXPMSD0004M: Self-test completed having the electrical element of the test failed.**

This message is reported when self-test completed with an electrical test element failed.

Severity: Error

User Action:

1. Remove A/C from the server and reseal all drives, backplanes, RAID adapters, expanders (if any), and cables.
2. Ensure that device firmware is at the latest level.
3. Retry the test.
4. If the problem persists, contact technical support.

- **FQXPMSD0005M: Self-test completed having the servo (and/or seek) test element of the test failed.**

This message is reported when self-test completed with the servo (and/or seek) test element failed.

Severity: Error

User Action:

1. Remove A/C from the server and reseal all drives, backplanes, RAID adapters, expanders (if any), and cables.
2. Ensure that device firmware is at the latest level.
3. Retry the test.
4. If the problem persists, contact technical support.

- **FQXPMSD0006M: Self-test completed having the read element of the test failed.**

This message is reported when self-test completed with the read element failed.

Severity: Error

User Action:

1. Remove A/C from the server and reseal all drives, backplanes, RAID adapters, expanders (if any), and cables.
2. Ensure that device firmware is at the latest level.
3. Retry the test.
4. If the problem persists, contact technical support.

- **FQXPMSD0007M: Hard Drive(s) not found**

This message is reported when hard drive(s) were not found while LXPM sent a test command to hard drive(s).

Severity: Error

User Action:

1. Remove A/C from the server and reseal all drives, backplanes, RAID adapters, expanders (if any), and cables.
2. Ensure that device firmware is at the latest level.
3. Verify that the same Error is present in BMC or OneCLI inventory log.
4. Retry the test.

5. If the problem persists, contact technical support.

- **FQXPMSD0008M: UEFI is not ready for LXPM to send command to test hard drive.**

This message is reported when the interface for hard drive test is not ready.

Severity: Error

User Action:

1. Reboot the system and run the test again.
2. If this message is still reported, run the latest version of SMART tool on OS which is open-source tool and could be downloaded from website to check hard drive status.
3. If the problem persists, contact technical support.

- **FQXPMSD0009M: Device error detected when LXPM sent a test command to a hard drive.**

This message is reported when the interface for hard drive test returned a device error.

Severity: Error

User Action:

1. Do one of the following:
  - If the affected drive(s) are detected by the system, update the disk drive firmware and reboot the server.
  - If the affected drive(s) are not detected by the system or failing to respond:
    - a. Power off the server and remove A/C power.
    - b. Reseat the associated RAID controller, SAS cables, backplane and drive(s).
    - c. Restore system power and reboot the server.
2. Re-run the disk drive test from LXPM. For details, see the LXPM documentation at: <https://pubs.lenovo.com/lxpm-overview/>. Click on the LXPM version for your server model, and choose Using LXPM -> Diagnostics -> Running diagnostics from the left navigation tree.
3. If the problem persists, save the test result to a test\_hdd.txt file using a local USB storage device or a shared network folder.
4. Contact technical support for a drive replacement.

- **FQXPMSD0010M: UEFI timed out when LXPM sent a test command to a hard drive.**

This message is reported when the interface for hard drive test returned timeout after LXPM sent a test command to a hard drive.

Severity: Error

User Action:

1. Do one of the following:
  - If the affected drive(s) are detected by the system, update the disk drive firmware and reboot the server.
  - If the affected drive(s) are not detected by the system or failing to respond:
    - a. Power off the server and remove A/C power.
    - b. Reseat the associated RAID controller, SAS cables, backplane and drive(s).
    - c. Restore system power and reboot the server.

2. Run the disk drive test from LXPM. For details, see the LXPM documentation at: <https://pubs.lenovo.com/lxpm-overview/>. Click on the LXPM version for your server model, and choose Using LXPM -> Diagnostics -> Running diagnostics from the left navigation tree.
3. If the problem persists, save the test result to a test\_hdd.txt file using a local USB storage device or a shared network folder.
4. Contact technical support for a drive replacement.

- **FQXPMSD0011M: The hard drive is not supported by UEFI while LXPM sent a command to test the hard drive.**

This message is reported when the interface for hard drive test returned hard drive unsupported after LXPM sent a test command to a hard drive.

Severity: Error

User Action:

1. Check hard drive specification to see if the hard drive support ATA self-test feature.
2. If the problem persists, contact technical support.

- **FQXPMSR0001K: Found unsupported RAID adapter.**

This message is reported when an unsupported RAID adapter was found.

Severity: Warning

User Action:

1. Check the following Lenovo Support site for information on supported RAID adapters. <https://serverproven.lenovo.com>
2. Ensure that RAID adapter, LXPM, and UEFI firmware are at the latest levels.
3. If the problem persists, contact technical support.

- **FQXPMSR0011K: Failed to change disk drives' state.**

This message is reported when changing disk drives' state failed.

Severity: Warning

User Action:

1. Ensure that LXPM and RAID adapter firmware are at the latest levels.
2. Ensure that the state of the RAID adapter and disk drives are both healthy.
3. Verify proper physical connection of the disk drive, SAS expander (if applicable) and RAID adapter.
4. Ensure that the operation to the special drive is legal or logical. (For example, you cannot change Unconfigured BAD to Online status)
5. Reboot the machine and retry to change disk drives' state.
6. If the problem persists, contact technical support.

- **FQXPMSR0012I: Change disk drives' state successfully.**

This message is reported when disk drives' state is changed successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMSR0021L: Failed to create new virtual disk(s).**

This message is reported when creating new virtual disk(s) failed.

Severity: Error

User Action:

1. Ensure that LXPM and RAID adapter firmware are at the latest levels.
2. Ensure that the state of RAID adapter and disk drives are both healthy.
3. Verify proper physical connection of the disk drive, SAS expander (if applicable) and RAID adapter.
4. Ensure that the drive status is correct (Unconfigured Good).
5. Reboot the machine and retry to create new virtual disk.
6. If the problem persists, contact technical support.

- **FQXPMSR0022I: Create new virtual disk(s) successfully.**

This message is reported when new virtual disk(s) are created successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMSR0031L: Failed to remove existing virtual disk(s).**

This message is reported when existing virtual disk(s) failed to be removed.

Severity: Error

User Action:

1. Ensure that LXPM and RAID adapter firmware are at the latest levels.
2. Ensure that the state of RAID adapter and disk drives are both healthy.
3. Verify proper physical connection of the disk drive, SAS expander (if applicable) and RAID adapter.
4. Reboot the machine and retry to remove the existing virtual disk.
5. If the problem persists, contact technical support.

- **FQXPMSR0032I: Removed existing virtual disk(s) successfully.**

This message is reported when existing virtual disk(s) are removed successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMS0001K: Failed to mount work partition while getting service data.**

This message is reported when mounting work partition failed while the user tried to get service data.

Severity: Warning

User Action:

1. Retry this operation again.
2. Try to get service data from the XCC web interface.
3. If the problem persists, try a different Lenovo tool to perform the operation (e.g., XClarity Administrator or XClarity Essential OneCLI).
4. If the problem persists, contact technical support.

- **FQXPMSS0002K: Failed to mount work partition while getting debug log.**

This message is reported when mounting work partition failed while the user tried to get debug logs.

Severity: Warning

User Action:

1. Retry this operation again.
2. Try to get debug logs from the XCC web interface.
3. If the problem persists, try a different Lenovo tool to perform the operation (e.g., XClarity Administrator or XClarity Essential OneCLI).
4. If the problem persists, contact technical support.

- **FQXPMSS0003K: No service data file created in the work partition**

This message is reported when no service data file was found in the work partition while the user tried to get service data.

Severity: Warning

User Action:

1. Retry this operation again.
2. Try to get service data from the XCC web interface.
3. If the problem persists, try a different Lenovo tool to perform the operation (e.g., XClarity Administrator or XClarity Essential OneCLI).
4. If the problem persists, contact technical support.

- **FQXPMSS0004K: No debug log file created in the work partition**

This message is reported when no debug log file was found in the work partition while the user tried to get debug logs.

Severity: Warning

User Action:

1. Retry this operation again.
2. Try to get debug logs from the XCC web interface.
3. If the problem persists, try a different Lenovo tool to perform the operation (e.g., XClarity Administrator or XClarity Essential OneCLI).
4. If the problem persists, contact technical support.

- **FQXPMUP0003K: Unable to obtain the minimum level of UEFI.**

This message is reported when the minimum UEFI firmware version failed to be obtained.

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. Reflash BMC firmware.
3. Perform AC reset or virtual reset.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. If the problem persists, contact technical support.

- **FQXPMUP0004K: Unable to obtain the installed version of UEFI.**

This message is reported when the current UEFI firmware build ID failed to be obtained.

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. Reflash BMC firmware.
3. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. If the problem persists, contact technical support.

- **FQXPMUP0005K: Unable to obtain the installed version of BMC.**

This message is reported when the current BMC firmware build ID failed to be obtained.

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. Reflash BMC firmware.
3. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. If the problem persists, contact technical support.

- **FQXPMUP0006K: Unable to obtain the installed version of LXPM.**

This message is reported when the current LXPM firmware build ID failed to be obtained.

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. Reflash BMC firmware.
3. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. If the problem persists, contact technical support.

- **FQXPMUP0007K: Unable to obtain the installed version of Linux driver.**

This message is reported when the current firmware build ID of Linux driver failed to be obtained.

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

3. If the problem persists, contact technical support.

- **FQXPMUP0008K: Unable to obtain the installed version of Windows driver.**

This message is reported when the current firmware build ID of Windows driver failed to be obtained.

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. Reflash BMC firmware.
3. Perform AC reset or virtual reset.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. If the problem persists, contact technical support.

- **FQXPMUP0101I: Start to update LXPM.**

This message is reported when LXPM firmware update starts.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0102I: Start to update Window driver.**

This message is reported when Window driver firmware update starts.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0103I: Start to update Linux driver.**

This message is reported when Linux driver firmware update starts.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0104I: Start to update UEFI.**

This message is reported when UEFI firmware update starts.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0105I: Start to update BMC.**

This message is reported when BMC firmware update starts.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0106I: Successfully updated the firmware.**

This message is reported when the selected firmware package is updated successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0201M: BMC communication failed: EMMC2USB mount failure. Failed to update the firmware.**

This message is reported when mounting work partition failed during firmware package update.

Severity: Error

User Action:

1. Restart BMC via supported method and BMC setting via UEFI setup or "Restart Management Controller" in BMC web UI. Then, reboot the system.
2. If the problem persists, reflash the BMC firmware.
3. If the problem persists, perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. If the problem persists, try a different Lenovo tool to perform the update (e.g., XClarity Administrator, XClarity Controller, or XClarity Essential OneCLI).
5. If the problem persists, contact technical support.

- **FQXPMUP0202M: Transfer the update package error. Failed to update the firmware.**

This message is reported when the firmware update package failed to be transferred to the work partition.

Severity: Error

User Action:

1. Ensure that the update package is not corrupt undamaged and then retry the update.
2. Ensure that proper connection to USB/network drive and retry the update.
3. Restart BMC via supported methods and BMC setting via UEFI setup or "Restart Management Controller" in BMC web UI. Then, reboot the system.
4. If the problem persists, reflash the BMC firmware.
5. If the problem persists, perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

6. If the problem persists, try a different Lenovo tool to perform the update (e.g., XClarity Administrator, XClarity Controller, or XClarity Essential OneCLI).
7. If the problem persists, contact technical support.

- **FQXPMUP0203M: BMC communication failed: EMMC2USB unmount failure. Failed to update the firmware.**

This message is reported when unmounting work partition failed during firmware update.

Severity: Error

User Action:

1. Restart BMC via supported method and reboot the system.
2. Reflash the BMC firmware.
3. If the problem persists, perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. If the problem persists, try a different Lenovo tool to perform the update (e.g., XClarity Administrator, XClarity Controller, or XClarity Essential OneCLI).
5. If the problem persists, contact technical support.

- **FQXPMUP0204M: BMC communication failed: Execute the update command failure. Failed to update the firmware.**

This message is reported when executing the update command failed.

Severity: Error

User Action:

1. Restart BMC via supported method.
2. Reflash BMC firmware.
3. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. If the problem persists, try a different Lenovo tool to perform the update (e.g., XClarity Administrator, XClarity Controller, or XClarity Essential OneCLI).
5. If the problem persists, contact technical support.

- **FQXPMUP0205M: BMC communication failed: Get the update status failure. Failed to update the firmware.**

This message is reported when the firmware update status failed to be obtained.

Severity: Error

User Action:

1. Restart BMC via supported method and reboot the system.
2. Reflash BMC firmware.
3. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. If the problem persists, try a different Lenovo tool to perform the update (e.g., XClarity Administrator, XClarity Controller, or XClarity Essential OneCLI).
5. If the problem persists, contact technical support.

- **FQXPMUP0206M: The level of the update package is too old. Failed to update the firmware.**

This message is reported when firmware update failed because the version of selected package is too old to be used.

Severity: Error

User Action:

1. Follow prompts to select a newer version of the update package and retry the update.
2. Restart BMC via supported method and reboot the system.
3. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. If the problem persists, try a different Lenovo tool to perform the update (e.g., XClarity Administrator, XClarity Controller, or XClarity Essential OneCLI).
5. If the problem persists, contact technical support.

- **FQXPMUP0207M: The update package is invalid. Failed to update the firmware.**

This message is reported when firmware update failed because the update package is invalid.

Severity: Error

User Action:

1. Ensure that the update package is not corrupt and retry the update.
2. Ensure proper connection to USB/network drive and retry the update.
3. Restart BMC via supported method and BMC setting via UEFI setup or "Restart Management Controller" in BMC web UI. Then, reboot the system.
4. Reflash the BMC firmware.
5. Perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

6. If the problem persists, try a different Lenovo tool to perform the update (e.g., XClarity Administrator, XClarity Controller, or XClarity Essential OneCLI).
7. If the problem persists, contact technical support.

- **FQXPMUP0208M: Failed to execute the reboot BMC command.**

This message is reported when executing the reboot BMC command failed.

Severity: Error

User Action:

1. Restart BMC via supported method and reboot the system.
2. Reflash BMC firmware.
3. If the problem persists, perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

4. If the problem persists, contact technical support.

- **FQXPMVD0001H: Failed to get VPD data.**

This message is reported when getting VPD data failed.

Severity: Warning

User Action:

1. Press "Global Settings" button and press "Update VPD" button again.
2. Perform AC reset or virtual reseal if step 1 failed.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

3. If the problem persists, contact technical support.

- **FQXPMVD0002H: Failed to update the VPD data.**

This message is reported when updating VPD data failed.

Severity: Warning

User Action:

1. Press "Update" button on VPD update page.
2. Perform AC reset or virtual reseal if step 1 failed.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

3. If the problem persists, contact technical support.

- **FQXPMVD0003I: Update VPD data successfully.**

This message is reported when VPD data is updated successfully.

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMVD0011K: Failed to get the TPM/TPM card/TCM policy status.**

This message is reported when the TPM/TCM policy status failed to be obtained.

Severity: Warning

User Action:

1. Press "Global Settings" button and press "Update VPD" button again.
2. Perform AC reset or virtual reseal if step 1 failed.

**Note:** When performing AC reset, after powering off AC, wait for several seconds before powering on AC. After AC power is restored, power on the host system.

3. If the problem persists, contact technical support.

- **FQXPMVD0012K: Failed to set the TPM/TPM card/TCM policy.**

This message is reported when setting the TPM/TCM policy failed.

Severity: Warning

User Action:

1. Press "Apply" button on VPD update page.
2. Reboot the system if step 1 failed.
3. If the problem persists, contact technical support.



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## Appendix A. Getting help and technical assistance

If you need help, service, or technical assistance or just want more information about Lenovo products, you will find a wide variety of sources available from Lenovo to assist you.

On the World Wide Web, up-to-date information about Lenovo systems, optional devices, services, and support are available at:

<http://datacentersupport.lenovo.com>

**Note:** IBM is Lenovo's preferred service provider for ThinkSystem.

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### Before you call

Before you call, there are several steps that you can take to try and solve the problem yourself. If you decide that you do need to call for assistance, gather the information that will be needed by the service technician to more quickly resolve your problem.

#### Attempt to resolve the problem yourself

You can solve many problems without outside assistance by following the troubleshooting procedures that Lenovo provides in the online help or in the Lenovo product documentation. The online help also describes the diagnostic tests that you can perform. The documentation for most systems, operating systems, and programs contains troubleshooting procedures and explanations of error messages and error codes. If you suspect a software problem, see the documentation for the operating system or program.

You can find the product documentation for your ThinkSystem products at the following location:

<https://pubs.lenovo.com/>

You can take these steps to try to solve the problem yourself:

- Check all cables to make sure that they are connected.
- Check the power switches to make sure that the system and any optional devices are turned on.
- Check for updated software, firmware, and operating-system device drivers for your Lenovo product. (See the following links) The Lenovo Warranty terms and conditions state that you, the owner of the Lenovo product, are responsible for maintaining and updating all software and firmware for the product (unless it is covered by an additional maintenance contract). Your service technician will request that you upgrade your software and firmware if the problem has a documented solution within a software upgrade.
  - Drivers and software downloads
    - <https://datacentersupport.lenovo.com/products/servers/thinksystem/sr650v4/downloads/driver-list/>
  - Operating system support center
    - <https://datacentersupport.lenovo.com/solutions/server-os>
  - Operating system installing instructions
    - <https://pubs.lenovo.com/thinksystem#os-installation>
- If you have installed new hardware or software in your environment, check <https://serverproven.lenovo.com> to make sure that the hardware and software are supported by your product.
- Refer to “Problem Determination” in *User Guide* or *Hardware Maintenance Guide* for instructions on isolating and solving issues.

- Go to <http://datacentersupport.lenovo.com> and check for information to help you solve the problem.

To find the Tech Tips available for your server:

1. Go to <http://datacentersupport.lenovo.com> and navigate to the support page for your server.
2. Click on **How To's** from the navigation pane.
3. Click **Article Type** → **Solution** from the drop-down menu.

Follow the on-screen instructions to choose the category for the problem that you are having.

- Check Lenovo Data Center Forum at [https://forums.lenovo.com/t5/Datacenter-Systems/ct-p/sv\\_eg](https://forums.lenovo.com/t5/Datacenter-Systems/ct-p/sv_eg) to see if someone else has encountered a similar problem.

### Gathering information needed to call Support

If you require warranty service for your Lenovo product, the service technicians will be able to assist you more efficiently if you prepare the appropriate information before you call. You can also go to <http://datacentersupport.lenovo.com/warrantylookup> for more information about your product warranty.

Gather the following information to provide to the service technician. This data will help the service technician quickly provide a solution to your problem and ensure that you receive the level of service for which you might have contracted.

- Hardware and Software Maintenance agreement contract numbers, if applicable
- Machine type number (Lenovo 4-digit machine identifier). Machine type number can be found on the ID label, see “Identifying the server and access the Lenovo XClarity Controller” in *User Guide* or *System Configuration Guide*.
- Model number
- Serial number
- Current system UEFI and firmware levels
- Other pertinent information such as error messages and logs

As an alternative to calling Lenovo Support, you can go to <https://support.lenovo.com/servicerequest> to submit an Electronic Service Request. Submitting an Electronic Service Request will start the process of determining a solution to your problem by making the pertinent information available to the service technicians. The Lenovo service technicians can start working on your solution as soon as you have completed and submitted an Electronic Service Request.

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## Collecting service data

To clearly identify the root cause of a server issue or at the request of Lenovo Support, you might need collect service data that can be used for further analysis. Service data includes information such as event logs and hardware inventory.

Service data can be collected through the following tools:

- **Lenovo XClarity Provisioning Manager**

Use the Collect Service Data function of Lenovo XClarity Provisioning Manager to collect system service data. You can collect existing system log data or run a new diagnostic to collect new data.

- **Lenovo XClarity Controller**

You can use the Lenovo XClarity Controller web interface or the CLI to collect service data for the server. The file can be saved and sent to Lenovo Support.

- For more information about using the web interface to collect service data, see the “Backing up the BMC configuration” section in the XCC documentation compatible with your server at <https://pubs.lenovo.com/lxcc-overview/>.
- For more information about using the CLI to collect service data, see the “XCC `servicelog` command” section in the XCC documentation compatible with your server at <https://pubs.lenovo.com/lxcc-overview/>.

- **Lenovo XClarity Administrator**

Lenovo XClarity Administrator can be set up to collect and send diagnostic files automatically to Lenovo Support when certain serviceable events occur in Lenovo XClarity Administrator and the managed endpoints. You can choose to send diagnostic files to Lenovo Support using Call Home or to another service provider using SFTP. You can also manually collect diagnostic files, open a problem record, and send diagnostic files to the Lenovo Support.

You can find more information about setting up automatic problem notification within the Lenovo XClarity Administrator at [https://pubs.lenovo.com/lxca/admin\\_setupcallhome](https://pubs.lenovo.com/lxca/admin_setupcallhome).

- **Lenovo XClarity Essentials OneCLI**

Lenovo XClarity Essentials OneCLI has inventory application to collect service data. It can run both in-band and out-of-band. When running in-band within the host operating system on the server, OneCLI can collect information about the operating system, such as the operating system event log, in addition to the hardware service data.

To obtain service data, you can run the `getinfor` command. For more information about running the `getinfor`, see [https://pubs.lenovo.com/lxce-onecli/onecli\\_r\\_getinfor\\_command](https://pubs.lenovo.com/lxce-onecli/onecli_r_getinfor_command).

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## Contacting Support

You can contact Support to obtain help for your issue.

You can receive hardware service through a Lenovo Authorized Service Provider. To locate a service provider authorized by Lenovo to provide warranty service, go to <https://datacentersupport.lenovo.com/serviceprovider> and use filter searching for different countries. For Lenovo support telephone numbers, see <https://datacentersupport.lenovo.com/supportphonelist> for your region support details.





