

**Lenovo**

# ThinkSystem SD650 Dual Node DWC Tray and NeXtScale n1200 DWC Enclosure Messages and Codes Reference



**Machine Type:** 7X58 and 5468

## 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:

[http://thinksystem.lenovofiles.com/help/topic/safety\\_documentation/pdf\\_files.html](http://thinksystem.lenovofiles.com/help/topic/safety_documentation/pdf_files.html)

[http://systemx.lenovofiles.com/help/topic/com.lenovo.sysx.safety.doc/safety\\_pdf.pdf](http://systemx.lenovofiles.com/help/topic/com.lenovo.sysx.safety.doc/safety_pdf.pdf)

The server is intended for use in a system/rack always installed on the load side of Power Distribution Unit (PDU) or Uninterruptible Power Supply (UPS) supplying a maximum 20 A branch circuit protection. The overall system/rack connection to mains power is to be a Pluggable Type B connector.

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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## Chapter 1. Introduction

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:

- Lenovo XClarity Controller (XCC) supported version varies by product. All versions of Lenovo XClarity Controller are referred to as Lenovo XClarity Controller and XCC in this document, unless specified otherwise. To see the XCC version supported by your server, go to [https://sysmgt.lenovofiles.com/help/topic/lxcc\\_frontend/lxcc\\_overview.html](https://sysmgt.lenovofiles.com/help/topic/lxcc_frontend/lxcc_overview.html).
- 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://sysmgt.lenovofiles.com/help/topic/lxpm\\_frontend/lxpm\\_product\\_page.html](https://sysmgt.lenovofiles.com/help/topic/lxpm_frontend/lxpm_product_page.html).

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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://sysmgmt.lenovofiles.com/help/topic/lxcc\\_frontend/lxcc\\_overview.html](https://sysmgmt.lenovofiles.com/help/topic/lxcc_frontend/lxcc_overview.html).

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 [http://sysmgmt.lenovofiles.com/help/topic/com.lenovo.lxca.doc/admin\\_setupcallhome.html](http://sysmgmt.lenovofiles.com/help/topic/com.lenovo.lxca.doc/admin_setupcallhome.html). 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  |
|--------------|---|
| FQXSPEM4014I | The RAID controller has problem with the battery. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5]) |
| FQXSPEM4015I | The RAID controller detected unrecoverable error. The controller needs replacement.([arg1],[arg2],[arg3],[arg4],[arg5])                       |
| FQXSPEM4025I | One or more virtual drive have problem. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])           |
| FQXSPEM4026I | Drive error was detected by RAID controller. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])      |

Table 1. Events that automatically notify Support (continued)

| Event ID      | Message String  |
|---------------|---|
| FQXSPIO0011N  | An Uncorrectable Error has occurred on [SensorElementName].                               |
| FQXSPIO0015M  | Fault in slot [PhysicalConnectorSystemElementName] on system [ComputerSystemElementName]. |
| FQXSPPW0002L  | [PowerSupplyElementName] has Failed.  |
| FQXSPPW00035M | Numeric sensor [NumericSensorElementName] going low (lower critical) has asserted.        |
| FQXSPPW0047M  | Numeric sensor [NumericSensorElementName] going high (upper critical) has asserted.       |
| FQXSPPW0063M  | Sensor [SensorElementName] has transitioned to critical from a less severe state.         |
| FQXSPSD0001L  | The [StorageVolumeElementName] has a fault.   |
| FQXSPSD0002G  | Failure Predicted on [StorageVolumeElementName] for array [ComputerSystemElementName].    |
| FQXSPSD0006L  | Array [ComputerSystemElementName] has failed.   |
| FQXSPSS4004I  | Test Call Home Generated by user [arg1].  |
| FQXSPSS4005I  | Manual Call Home by user [arg1]: [arg2].  |

## XCC events organized by severity

The following table lists all XCC events, organized by severity (Informational, 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]. | Informational |
| FQXSPBR4005I | Management Controller [arg1]: Configuration saved to a file by user [arg2].   | 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 |

Table 2. Events organized by severity (continued)

| Event ID     | Message String   | Severity      |
|--------------|--|---------------|
| FQXSPBR400DI | Neighbor group clone configuration was initiated by user [arg1].   | Informational |
| FQXSPBR400EI | Neighbor group firmware update was initiated by user [arg1].   | Informational |
| FQXSPBR400FI | The neighbor group management is [arg1] by user [arg2] from [arg3] at IP address [arg4].   | Informational |
| FQXSPBT0007I | No bootable media available for system [ComputerSystemElementName].  | Informational |
| FQXSPCA0013I | Sensor [SensorElementName] has transitioned to normal state.   | Informational |
| FQXSPCA2007I | Numeric sensor [NumericSensorElementName] going high (upper non-critical) has deasserted.  | Informational |
| FQXSPCA2009I | Numeric sensor [NumericSensorElementName] going high (upper critical) has deasserted.  | Informational |
| FQXSPCA2011I | Numeric sensor [NumericSensorElementName] going high (upper non-recoverable) has deasserted.   | Informational |
| FQXSPCA2015I | Sensor [SensorElementName] has deasserted the transition from normal to non-critical state.  | Informational |
| FQXSPCA2017I | Sensor [SensorElementName] has transitioned to a less severe state from critical.  | Informational |
| FQXSPCA2019I | Sensor [SensorElementName] has deasserted the transition to non-recoverable from a less severe state.  | Informational |
| FQXSPCN4000I | Serial Redirection set by user [arg1]: Mode=[arg2], BaudRate=[arg3], StopBits=[arg4], Parity=[arg5], SessionTerminateSequence=[arg6].                            | Informational |
| FQXSPCN4001I | Remote Control session started by user [arg1] in [arg2] mode.  | Informational |
| FQXSPCN4002I | User [arg1] has terminated an active CLI console session.  | Informational |
| FQXSPCN4003I | Remote Control session started by user [arg1] in [arg2] mode has been closed.  | Informational |
| FQXSPCN4004I | User [arg1] has created an active [arg2] console session.  | Informational |
| FQXSPCN4005I | A [arg1] console session is timeout.   | Informational |
| FQXSPCN4006I | User [arg1] has terminated an active IPMI console session.   | Informational |
| FQXSPDM4000I | Inventory data changed for device [arg1], new device data hash=[arg2], new master data hash=[arg3] .   | Informational |
| FQXSPDM4001I | Storage [arg1] has changed.  | Informational |
| FQXSPDM4003I | TKLM servers set by user [arg1]: TKLMServer1=[arg2] Port=[arg3], TKLMServer2=[arg4] Port=[arg5], TKLMServer3=[arg6] Port=[arg7], TKLMServer4=[arg8] Port=[arg9]. | Informational |
| FQXSPDM4004I | TKLM servers device group set by user [arg1]: TKLMServerDeviceGroup=[arg2] .   | Informational |
| FQXSPDM4005I | User [arg1] has generated a new encryption key pair and installed a self-signed certificate for the TKLM client.   | Informational |
| FQXSPDM4006I | User [arg1] has generated a new encryption key and certificate signing request for the TKLM client.  | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String   | Severity      |
|--------------|--|---------------|
| FQXSPDM4007I | User [arg1] has imported a signed certificate for the TKLM client from [arg2].   | Informational |
| FQXSPDM4008I | User [arg1] has imported a server certificate for the TKLM server.   | Informational |
| FQXSPDM4009I | User [arg1] has [arg2] file [arg3] from [arg4].  | 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]   | 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] Interval=[arg3]  | Informational |
| FQXSPDM0003I | The Log [RecordLogElementName] has been cleared.   | Informational |
| FQXSPDM0004I | The Log [RecordLogElementName] is full.  | Informational |
| FQXSPDM0005I | The Log [RecordLogElementName] is almost full.   | Informational |
| FQXSPDM0009I | The System [ComputerSystemElementName] has generated an auxiliary Log Entry in Log [RecordLogElement].   | Informational |
| FQXSPDM4000I | The [arg1] on system [arg2] cleared by user [arg3].  | Informational |
| FQXSPDM4001I | The [arg1] on system [arg2] is 75% full.   | Informational |
| FQXSPDM4002I | The [arg1] on system [arg2] is 100% full.  | Informational |
| FQXSPDM4003I | LED [arg1] state changed to [arg2] by [arg3].  | Informational |
| FQXSPDM4004I | SNMP [arg1] enabled by user [arg2] .   | Informational |
| FQXSPDM4005I | SNMP [arg1] disabled by user [arg2] .  | Informational |
| FQXSPDM4006I | Alert Configuration Global Event Notification set by user [arg1]: RetryLimit=[arg2], RetryInterval=[arg3], EntryInterval=[arg4].   | Informational |
| FQXSPDM4007I | Alert Recipient Number [arg1] updated: Name=[arg2], DeliveryMethod=[arg3], Address=[arg4], IncludeLog=[arg5], Enabled=[arg6], EnabledAlerts=[arg7], AllowedFilters=[arg8] by user [arg9] from [arg10] at IP address [arg11]. | Informational |
| FQXSPDM4008I | SNMP Traps enabled by user [arg1]: EnabledAlerts=[arg2], AllowedFilters=[arg3] .   | Informational |
| FQXSPDM4009I | The UEFI Definitions have been changed.  | Informational |
| FQXSPDM4010I | UEFI Reported: [arg1].   | Informational |
| FQXSPDM4011I | XCC failed to log previous event [arg1].   | Informational |
| FQXSPDM4012I | User [arg1] made system [arg2] Encapsulation lite Mode.  | Informational |
| FQXSPDM4013I | Battery error was detected by RAID controller. The battery unit needs replacement.([arg1],[arg2],[arg3],[arg4],[arg5])   | Informational |
| FQXSPDM4014I | The RAID controller has problem with the battery. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])  | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String   | Severity      |
|--------------|--|---------------|
| FQXSPEM4015I | The RAID controller detected unrecoverable error. The controller needs replacement.([arg1],[arg2],[arg3],[arg4],[arg5])  | Informational |
| FQXSPEM4016I | The RAID controller detected one or more problems. Please contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])   | Informational |
| FQXSPEM4017I | The RAID controller detected one or more possible configuration changes within the subsystem. Please check the drive LED status. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])  | Informational |
| FQXSPEM4018I | Enclosure/Chassis issue detected with one or more units. Please check the enclosure/chassis units to repair the problem.([arg1],[arg2],[arg3],[arg4],[arg5])   | Informational |
| FQXSPEM4019I | Connectivity issue detected with the enclosure/chassis. Please check your cable configurations to repair the problem.([arg1],[arg2],[arg3],[arg4],[arg5])  | Informational |
| FQXSPEM4020I | Fan problem detected with the enclosure/chassis. Please check the enclosure/chassis unit fan for correct operation.([arg1],[arg2],[arg3],[arg4],[arg5])  | Informational |
| FQXSPEM4022I | Enclosure/Chassis power supply has problem. Please check the enclosure/chassis unit power supply for correct operation.([arg1],[arg2],[arg3],[arg4],[arg5])  | Informational |
| FQXSPEM4023I | One or more virtual drive are in abnormal status that may cause unavailable virtual drive. Please check the event logs and if events are targeted to the same disk then replace the drive. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])    | Informational |
| FQXSPEM4024I | The RAID controller detected one or more possible configuration problem within the subsystem. Please check the event logs and if events are targeted to the same disk then replace the drive. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5]) | Informational |
| FQXSPEM4025I | One or more virtual drive have problem. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])  | Informational |
| FQXSPEM4026I | Drive error was detected by RAID controller. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])   | Informational |
| FQXSPEM4027I | Drive error was detected by RAID controller. Please check the event logs and if events are targeted to the same disk then replace the drive. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])  | Informational |
| FQXSPEM4028I | The port [arg1] of PCIe device [arg2] at [arg3] has link [arg4].   | Informational |
| FQXSPEM4029I | All PCIe slots on [arg1] may not be functional based upon your current CPU population.   | Informational |
| FQXSPEM4030I | A scheduled operation on the RAID controller has encountered an issue. Refer to RAID Logs under Server Management, Local Storage, for details.([arg1],[arg2],[arg3],[arg4],[arg5])   | Informational |
| FQXSPEM4031I | SSD wear threshold setting is changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].   | Informational |

Table 2. Events organized by severity (continued)

| Event ID      | Message String   | Severity      |
|---------------|--|---------------|
| FQXSPPEM4032I | Acoustic Mode [arg1] has been engaged. Fan speed limits are in place.  | Informational |
| FQXSPPEM4033I | Acoustic Mode [arg1] has been disengaged to allow adequate cooling.  | Informational |
| FQXSPPEM4036I | Dust filter measurement schedule is configured on server [arg1] by user [arg2] from [arg3] at IP address [arg4].             | Informational |
| FQXSPPEM4037I | Attempting to perform scheduled dust filter measurement on server [arg1].  | Informational |
| FQXSPPEM4038I | Dust filter measurement schedule is disabled on server [arg1] by user [arg2] from [arg3] at IP address [arg4].               | Informational |
| FQXSPPEM4039I | Attempting to perform an immediate dust filter measurement on server [arg1] by user [arg2] from [arg3] at IP address [arg4]. | Informational |
| FQXSPPEM4041I | The SmartNIC in slot [arg1] encountered boot timeout.  | Informational |
| FQXSPPEM4042I | The SmartNIC in slot [arg1] went through a crash dump.   | Informational |
| FQXSPPEM4044I | Dust filter measurement was successfully completed, no action is needed.   | Informational |
| FQXSPFC4000I  | The bare metal connection process has been started.  | Informational |
| FQXSPFC4001I  | The bare metal update application reports a status of [arg1].  | Informational |
| FQXSPFC4002I  | System running in setup.   | Informational |
| FQXSPFC4003I  | UEFI deployment boot mode is enabled for NextBoot.   | Informational |
| FQXSPFC4004I  | UEFI deployment boot mode is enabled for NextAc.   | Informational |
| FQXSPFC4005I  | UEFI deployment boot mode has been disabled.   | Informational |
| FQXSPFW0003I  | The System [ComputerSystemElementName] encountered firmware progress.  | Informational |
| FQXSPFW2001I  | The System [ComputerSystemElementName] has detected a POST Error deassertion.  | Informational |
| FQXSPIO0010I  | A Correctable Bus Error has occurred on bus [SensorElementName].   | Informational |
| FQXSPIO2003I  | System [ComputerSystemElementName] has recovered from a diagnostic interrupt.  | Informational |
| FQXSPIO2004I  | Bus [SensorElementName] has recovered from a bus timeout.  | Informational |
| FQXSPIO2006I  | System [ComputerSystemElementName] has recovered from an NMI.  | Informational |
| FQXSPIO2010I  | Bus [SensorElementName] has recovered from a Correctable Bus Error.  | Informational |
| FQXSPIO2015I  | Fault condition removed on slot [PhysicalConnectorElementName] on system [ComputerSystemElementName].                        | Informational |
| FQXSPIO4002I  | GPU Board Status was recovered by [arg1] of [arg1].  | Informational |
| FQXSPMA0003I  | [PhysicalMemoryElementName] Added on Subsystem [MemoryElementName].  | Informational |
| FQXSPMA2003I  | [PhysicalMemoryElementName] Removed on Subsystem [MemoryElementName].  | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String  | Severity      |
|--------------|---|---------------|
| FQXSPMA2005I | The System [ComputerSystemElementName] has detected a POST Error deassertion.                                       | Informational |
| FQXSPMA2007I | Scrub Failure for [PhysicalMemoryElementName] on Subsystem [MemoryElementName] has recovered.                       | Informational |
| FQXSPMA2010I | [PhysicalMemoryElementName] on Subsystem [MemoryElementName] is no longer Throttled.                                | Informational |
| FQXSPMA2012I | An Over-Temperature Condition has been removed on the [PhysicalMemoryElementName] on Subsystem [MemoryElementName]. | Informational |
| FQXSPMA2013I | The System [ComputerSystemElementName] has detected a POST Error deassertion.                                       | Informational |
| FQXSPNM4000I | Management Controller [arg1] Network Initialization Complete.   | Informational |
| FQXSPNM4001I | Ethernet Data Rate modified from [arg1] to [arg2] by user [arg3].   | Informational |
| FQXSPNM4002I | Ethernet Duplex setting modified from [arg1] to [arg2] by user [arg3].  | Informational |
| FQXSPNM4003I | Ethernet MTU setting modified from [arg1] to [arg2] by user [arg3].   | Informational |
| FQXSPNM4004I | Ethernet locally administered MAC address modified from [arg1] to [arg2] by user [arg3].                            | Informational |
| FQXSPNM4005I | Ethernet interface [arg1] by user [arg2].   | Informational |
| FQXSPNM4006I | Hostname set to [arg1] by user [arg2].  | Informational |
| FQXSPNM4007I | IP address of network interface modified from [arg1] to [arg2] by user [arg3].                                      | Informational |
| FQXSPNM4008I | IP subnet mask of network interface modified from [arg1] to [arg2] by user [arg3].                                  | Informational |
| FQXSPNM4009I | IP address of default gateway modified from [arg1] to [arg2] by user [arg3].  | 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 |
| FQXSPNM4015I | DHCP setting changed to [arg1] by user [arg2].  | Informational |
| FQXSPNM4016I | Domain name set to [arg1] by user [arg2].   | Informational |
| FQXSPNM4017I | Domain Source changed to [arg1] by user [arg2].   | Informational |
| FQXSPNM4018I | DDNS setting changed to [arg1] by user [arg2].  | Informational |
| FQXSPNM4019I | DDNS registration successful. The domain name is [arg1].  | Informational |
| FQXSPNM4020I | IPv6 enabled by user [arg1] .   | Informational |
| FQXSPNM4021I | IPv6 disabled by user [arg1] .  | Informational |
| FQXSPNM4022I | IPv6 static IP configuration enabled by user [arg1].  | Informational |



Table 2. Events organized by severity (continued)

| Event ID     | Message String  | Severity      |
|--------------|---|---------------|
| FQXSPNM4023I | IPv6 DHCP enabled by user [arg1].   | Informational |
| FQXSPNM4024I | IPv6 stateless auto-configuration enabled by user [arg1].   | Informational |
| FQXSPNM4025I | IPv6 static IP configuration disabled by user [arg1].   | Informational |
| FQXSPNM4026I | IPv6 DHCP disabled by user [arg1].  | Informational |
| FQXSPNM4027I | IPv6 stateless auto-configuration disabled by user [arg1].  | Informational |
| 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@[arg5].  | Informational |
| FQXSPNM4031I | IPv6 static address of network interface modified from [arg1] to [arg2] by user [arg3].   | Informational |
| FQXSPNM4033I | Telnet port number changed from [arg1] to [arg2] by user [arg3].  | Informational |
| FQXSPNM4034I | SSH port number changed from [arg1] to [arg2] by user [arg3].   | Informational |
| FQXSPNM4035I | Web-HTTP port number changed from [arg1] to [arg2] by user [arg3].  | Informational |
| FQXSPNM4036I | Web-HTTPS port number changed from [arg1] to [arg2] by user [arg3].   | Informational |
| FQXSPNM4037I | CIM/XML HTTP port number changed from [arg1] to [arg2] by user [arg3].  | Informational |
| FQXSPNM4038I | CIM/XML HTTPS port number changed from [arg1] to [arg2] by user [arg3].   | Informational |
| FQXSPNM4039I | SNMP Agent port number changed from [arg1] to [arg2] by user [arg3].  | Informational |
| FQXSPNM4040I | SNMP Traps port number changed from [arg1] to [arg2] by user [arg3].  | Informational |
| FQXSPNM4041I | Syslog port number changed from [arg1] to [arg2] by user [arg3].  | Informational |
| FQXSPNM4042I | Remote Presence port number changed from [arg1] to [arg2] by user [arg3].   | Informational |
| FQXSPNM4043I | SMTP Server set by user [arg1] to [arg2]:[arg3].  | Informational |
| FQXSPNM4044I | Telnet [arg1] by user [arg2].   | Informational |
| FQXSPNM4045I | DNS servers set by user [arg1]: UseAdditionalServers=[arg2], PreferredDNStype=[arg3], IPv4Server1=[arg4], IPv4Server2=[arg5], IPv4Server3=[arg6], IPv6Server1=[arg7], IPv6Server2=[arg8], IPv6Server3=[arg9]. | Informational |
| FQXSPNM4046I | LAN over USB [arg1] by user [arg2].   | Informational |
| FQXSPNM4047I | LAN over USB Port Forwarding set by user [arg1]: ExternalPort=[arg2], USB-LAN port=[arg3].  | Informational |
| FQXSPNM4048I | PXE boot requested by user [arg1].  | Informational |
| FQXSPNM4049I | User [arg1] has initiated a TKLM Server Connection Test to check connectivity to server [arg2].   | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String  | Severity      |
|--------------|---|---------------|
| FQXSPNM4050I | User [arg1] has initiated an SMTP Server Connection Test.   | Informational |
| FQXSPNM4051I | User [arg1] has set the SMTP Server reverse-path to [arg2].   | Informational |
| FQXSPNM4052I | DHCP specified hostname is set to [arg1] by user [arg2].  | Informational |
| FQXSPNM4053I | DNS discovery of Lenovo XClarity Administrator has been [arg1] by user [arg2].                              | Informational |
| FQXSPNM4054I | The hostname from DHCP is [arg1] by user [arg2].  | Informational |
| FQXSPNM4055I | The hostname from DHCP is invalid.  | Informational |
| FQXSPNM4056I | The NTP server address [arg1] is invalid.   | Informational |
| 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].                    | Informational |
| FQXSPNM4059I | IP subnet mask of network interface [arg1] is modified from [arg2] to [arg3] by user [arg4].                | Informational |
| FQXSPNM4060I | IP address of default gateway of network interface [arg1] is modified from [arg2] to [arg3] by user [arg4]. | Informational |
| FQXSPOS4000I | OS Watchdog response [arg1] by [arg2] .   | 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].  | Informational |
| FQXSPPP4001I | Server Power Off Delay set to [arg1] by user [arg2].  | Informational |
| FQXSPPP4002I | Server [arg1] scheduled for [arg2] at [arg3] by user [arg4].  | Informational |
| FQXSPPP4003I | Server [arg1] scheduled for every [arg2] at [arg3] by user [arg4].  | Informational |
| FQXSPPP4004I | Server [arg1] [arg2] cleared by user [arg3].  | Informational |
| FQXSPPP4005I | The power cap value changed from [arg1] watts to [arg2] watts by user [arg3].                               | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String  | Severity      |
|--------------|---|---------------|
| FQXSPPP4006I | The minimum power cap value changed from [arg1] watts to [arg2] watts.  | Informational |
| FQXSPPP4007I | The maximum power cap value changed from [arg1] watts to [arg2] watts.  | Informational |
| FQXSPPP4008I | The soft minimum power cap value changed from [arg1] watts to [arg2] watts.                                       | Informational |
| FQXSPPP4011I | Power capping was activated by user [arg1].   | Informational |
| FQXSPPP4012I | Power capping was deactivated by user [arg1].   | Informational |
| FQXSPPP4013I | Static Power Savings mode has been turned on by user [arg1].  | Informational |
| FQXSPPP4014I | Static Power Savings mode has been turned off by user [arg1].   | Informational |
| FQXSPPP4015I | Dynamic Power Savings mode has been turned on by user [arg1].   | Informational |
| FQXSPPP4016I | Dynamic Power Savings mode has been turned off by user [arg1].  | Informational |
| FQXSPPP4017I | Power cap and external throttling occurred.   | Informational |
| FQXSPPP4018I | External throttling occurred .  | Informational |
| FQXSPPP4019I | Power cap throttling occurred.  | Informational |
| FQXSPPP4020I | The measured power value has returned below the power cap value.  | Informational |
| FQXSPPP4021I | The new minimum power cap 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 |

Table 2. Events organized by severity (continued)

| Event ID     | Message String  | Severity      |
|--------------|---|---------------|
| 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 |
| FQXSPPP4043I | Management Controller [arg1] reset was initiated by PRESET.   | Informational |
| FQXSPPP4044I | Management Controller [arg1] reset was initiated by CMM.  | Informational |
| FQXSPPP4045I | Management Controller [arg1] reset was initiated by XCC firmware.   | Informational |
| FQXSPPP4046I | Remote power permission is [arg1].  | Informational |
| FQXSPPP4047I | Management Controller [arg1] reset was initiated by user [arg2].  | Informational |
| FQXSPPP4048I | Attempting to AC power cycle server [arg1] by user [arg2].  | Informational |
| FQXSPPP4049I | Management Controller [arg1] reset was initiated by Front Panel.  | Informational |
| FQXSPPP4050I | Management Controller [arg1] reset was initiated to activate PFR Firmware.  | Informational |
| FQXSPPP4051I | The programmable GPU total power capping value changed from [arg1] watts to [arg2] watts by user [arg3] from [arg4] at IP address [arg5]. | Informational |
| FQXSPPP4052I | The programmable GPU peak power capping value changed from [arg1] watts to [arg2] watts by user [arg3] from [arg4] at IP address [arg5].  | Informational |
| FQXSPPP4053I | This message is reserved.   | Informational |
| FQXSPPP4054I | Unbalanced PSU config is detected, system is using less node PSU capacity.  | Informational |
| FQXSPPR0000I | [ManagedElementName] detected as present.   | Informational |
| FQXSPPR2001I | [ManagedElementName] detected as absent.  | Informational |
| FQXSPPU0000I | [ProcessorElementName] in slot [SlotElementName] has been added.  | Informational |
| FQXSPPU2000I | [ProcessorElementName] in slot [SlotElementName] has been removed.  | Informational |
| FQXSPPU2001I | An Over-Temperature Condition has been removed on [ProcessorElementName].   | Informational |
| FQXSPPU2002I | The Processor [ProcessorElementName] is no longer operating in a Degraded State.  | Informational |
| FQXSPPU2003I | [ProcessorElementName] has Recovered from IERR.   | Informational |
| FQXSPPU2004I | [ProcessorElementName] has Recovered from FRB1/BIST condition.  | Informational |
| FQXSPPW0001I | [PowerSupplyElementName] has been added to container [PhysicalPackageElementName].  | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String  | Severity      |
|--------------|---|---------------|
| FQXSPPW0008I | [SensorElementName] has been turned off.  | Informational |
| FQXSPPW0009I | [PowerSupplyElementName] has been Power Cycled.   | Informational |
| FQXSPPW0055I | Sensor [SensorElementName] has transitioned to normal state.  | Informational |
| FQXSPPW2001I | [PowerSupplyElementName] has been removed from container [PhysicalPackageElementName].                | Informational |
| FQXSPPW2002I | [PowerSupplyElementName] has returned to OK status.   | Informational |
| FQXSPPW2006I | [PowerSupplyElementName] has returned to a Normal Input State.  | Informational |
| FQXSPPW2008I | [PowerSupplyElementName] has been turned on.  | Informational |
| FQXSPPW2031I | Numeric sensor [NumericSensorElementName] going low (lower non-critical) has deasserted.              | Informational |
| FQXSPPW2035I | Numeric sensor [NumericSensorElementName] going low (lower critical) has deasserted.                  | Informational |
| FQXSPPW2047I | Numeric sensor [NumericSensorElementName] going high (upper critical) has deasserted.                 | Informational |
| FQXSPPW2063I | Sensor [SensorElementName] has transitioned to a less severe state from critical.                     | Informational |
| FQXSPPW4001I | PCIe Power Brake for [arg1] has been [arg2].  | Informational |
| FQXSPPW4003I | The customized total graphics power is within the pre-configured limit.                               | Informational |
| FQXSPSD0000I | The [StorageVolumeElementName] has been added.  | Informational |
| FQXSPSD0003I | Hot Spare enabled for [ComputerSystemElementName].  | Informational |
| FQXSPSD0007I | Rebuild in progress for Array in system [ComputerSystemElementName].                                  | Informational |
| FQXSPSD2000I | The [StorageVolumeElementName] has been removed from unit [PhysicalPackageElementName].               | Informational |
| FQXSPSD2001I | The [StorageVolumeElementName] has recovered from a fault.  | Informational |
| FQXSPSD2002I | Failure no longer Predicted on [StorageVolumeElementName] for array [ComputerSystemElementName].      | Informational |
| FQXSPSD2003I | Hot spare disabled for [ComputerSystemElementName].   | Informational |
| FQXSPSD2005I | Critical Array [ComputerSystemElementName] has deasserted.  | Informational |
| FQXSPSD2006I | Array in system [ComputerSystemElementName] has been restored.  | Informational |
| FQXSPSD2007I | Rebuild completed for Array in system [ComputerSystemElementName].                                    | 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 |

Table 2. Events organized by severity (continued)

| Event ID     | Message String  | Severity      |
|--------------|---|---------------|
| FQXSPSE4004I | Remote access attempt failed. Invalid userid or password received. Userid is [arg1] from WEB browser at IP address [arg2].  | Informational |
| FQXSPSE4005I | Remote access attempt failed. Invalid userid or password received. Userid is [arg1] from TELNET client 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], .   | Informational |
| FQXSPSE4009I | LDAP Server configuration set by user [arg1]: SelectionMethod=[arg2], DomainName=[arg3], Server1=[arg4], Server2=[arg5], Server3=[arg6], Server4=[arg7].  | Informational |
| FQXSPSE4010I | LDAP set by user [arg1]: RootDN=[arg2], UIDSearchAttribute=[arg3], BindingMethod=[arg4], EnhancedRBS=[arg5], TargetName=[arg6], GroupFilter=[arg7], GroupAttribute=[arg8], LoginAttribute=[arg9].   | Informational |
| FQXSPSE4011I | Secure Web services (HTTPS) [arg1] by user [arg2].  | Informational |
| FQXSPSE4012I | Secure CIM/XML(HTTPS) [arg1] by user [arg2].  | Informational |
| FQXSPSE4013I | Secure LDAP [arg1] by user [arg2].  | Informational |
| FQXSPSE4014I | SSH [arg1] by user [arg2].  | Informational |
| FQXSPSE4015I | Global Login General Settings set by user [arg1]: AuthenticationMethod=[arg2], LockoutPeriod=[arg3], SessionTimeout=[arg4].   | Informational |
| FQXSPSE4016I | Global Login Account Security set by user [arg1]: PasswordRequired=[arg2], PasswordExpirationPeriod=[arg3], MinimumPasswordReuseCycle=[arg4], MinimumPasswordLength=[arg5], MinimumPasswordChangeInterval=[arg6], MaxmumLoginFailures=[arg7], LockoutAfterMaxFailures=[arg8]. | Informational |
| FQXSPSE4017I | User [arg1] created.  | Informational |
| FQXSPSE4018I | User [arg1] removed.  | Informational |
| FQXSPSE4019I | User [arg1] password modified.  | Informational |
| FQXSPSE4020I | User [arg1] role set to [arg2].   | Informational |
| FQXSPSE4021I | User [arg1] custom privileges set: [arg2][arg3][arg4][arg5][arg6][arg7][arg8][arg9].  | Informational |
| FQXSPSE4022I | User [arg1] for SNMPv3 set: AuthenticationProtocol=[arg2], PrivacyProtocol=[arg3], AccessType=[arg4], HostforTraps=[arg5] by user [arg6] from [arg7] at IP address [arg8].  | 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 |

Table 2. Events organized by severity (continued)

| Event ID     | Message String   | Severity      |
|--------------|--|---------------|
| FQXSPSE4026I | Security: Userid: [arg1] had [arg2] login failures from a CIM client at IP address [arg3].   | Informational |
| FQXSPSE4027I | Remote access attempt failed. Invalid userid or password received. Userid is [arg1] from a CIM client at IP address [arg2].          | 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 |
| FQXSPSE4030I | Security: Userid: [arg1] had [arg2] login failures from IPMI serial client.  | Informational |
| FQXSPSE4031I | Remote Login Successful. Login ID: [arg1] from [arg2] serial interface.  | Informational |
| FQXSPSE4032I | Login ID: [arg1] from [arg2] at IP address [arg3] has logged off.  | Informational |
| FQXSPSE4033I | Login ID: [arg1] from [arg2] at IP address [arg3] has been logged off.   | Informational |
| FQXSPSE4034I | User [arg1] has removed a certificate.   | Informational |
| FQXSPSE4035I | A certificate has been revoked .   | Informational |
| FQXSPSE4036I | The [arg1] certificate is expired and has been removed.  | Informational |
| FQXSPSE4037I | Crypto mode modified from [arg1] to [arg2] by user [arg3].   | Informational |
| FQXSPSE4038I | Minimum TLS level modified from [arg1] to [arg2] by user [arg3].   | Informational |
| FQXSPSE4039I | Temporary user account [arg1] is created by inband tool.   | Informational |
| FQXSPSE4040I | Temporary user account [arg1] expires.   | Informational |
| FQXSPSE4041I | Security: Userid: [arg1] had [arg2] login failures from a SFTP client at IP address [arg3].  | 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][arg4][arg5][arg6][arg7][arg8][arg9][arg10][arg11] by user [arg12] . | Informational |
| FQXSPSE4048I | Role [arg1] is removed by user [arg2].   | Informational |
| FQXSPSE4049I | Role [arg1] is assigned to user [arg2] by user [arg3].   | 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] at IP address [arg4].                                   | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String  | Severity      |
|--------------|---|---------------|
| FQXSPSE4052I | The password of neighbor group [arg1] is modified by [arg2] [arg3] at IP address [arg4].  | Informational |
| FQXSPSE4053I | Management Controller [arg1] left the neighbor group [arg2] by user [arg3] at IP address [arg4].  | Informational |
| FQXSPSE4054I | IPMI SEL wrapping mode is [arg1] by user [arg2] at IP address [arg3].   | Informational |
| FQXSPSE4055I | SED encryption is enabled by user [arg1] at IP address [arg2].  | Informational |
| FQXSPSE4056I | SED AK is [arg1] by user [arg2] at IP address [arg3].   | 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][arg3][arg4][arg5][arg6][arg7][arg8][arg9] by user [arg10] from [arg11] at IP address [arg12].                                       | 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][arg3][arg4][arg5][arg6] by user [arg7] from [arg8] at IP address [arg9].   | 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]. | Informational |
| FQXSPSE4070I | Lockdown mode is [arg1] by user [arg2] from [arg3] at IP address [arg4].  | Informational |
| FQXSPSE4071I | Chassis Intrusion detection is [arg1] by user [arg2] from [arg3] at IP address [arg4].  | Informational |
| FQXSPSE4072I | Random SED AK is regenerated by user [arg1] from [arg2] at IP address [arg3].   | Informational |
| FQXSPSE4073I | Motion detection is [arg1] by user [arg2] from [arg3] at IP address [arg4].   | Informational |
| FQXSPSE4074I | Security mode downgrades because the XCC2 Platinum Upgrade key is expired or deleted.   | Informational |



Table 2. Events organized by severity (continued)

| Event ID     | Message String  | Severity      |
|--------------|---|---------------|
| FQXSPSE4075I | [arg1] by KCS to allow secure boot to be enabled by user [arg2] from [arg3] at IP address [arg4].   | Informational |
| FQXSPSE4076I | [arg1] by KCS to allow secure boot to be disabled by user [arg2] from [arg3] at IP address [arg4].  | Informational |
| FQXSPSE4077I | Bluetooth button on front panel is [arg1] on server [arg2] by user [arg3] from [arg4] at IP address [arg5].   | Informational |
| FQXSPSE4078I | Bluetooth is [arg1] by pressing bluetooth button on front panel.  | Informational |
| 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 [arg4].  | Informational |
| FQXSPSE4081I | BMC returns the valid local cached key to UEFI for SED drives.  | Informational |
| FQXSPSE4082I | Remote key management server is unaccessible.   | 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 |
| FQXSPSE4088I | The chassis care-taker node ID is changed from [arg1] to [arg2].  | Informational |
| FQXSPSE4089I | The chassis node with node ID [arg1] is inserted.   | Informational |
| FQXSPSE4090I | The chassis node with node ID [arg1] is removed.  | Informational |
| FQXSPSS4000I | Management Controller Test Alert Generated by [arg1].   | 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]. | Informational |
| FQXSPSS4002I | License key for [arg1] added by user [arg2].  | Informational |
| FQXSPSS4003I | License key for [arg1] removed by user [arg2].  | Informational |
| FQXSPSS4004I | Test Call Home Generated by user [arg1].  | Informational |
| FQXSPSS4005I | Manual Call Home by user [arg1]: [arg2].  | Informational |
| FQXSPSS4006I | Call Home to [arg1] failed to complete: [arg2].   | Informational |
| FQXSPSS4007I | The BMC functionality tier is changed from [arg1] to [arg2].  | Informational |
| FQXSPSS4008I | The [arg1] setting has been changed to [arg2] by user [arg3].   | Informational |
| FQXSPSS4009I | System enters LXPM maintenance mode.  | Informational |
| FQXSPSS4010I | Test Audit Log generated by user [arg1].  | Informational |
| FQXSPSS4011I | Fan speed boost setting is changed from [arg1] to [arg2].   | Informational |
| FQXSPTR4000I | Management Controller [arg1] clock has been set from NTP server [arg2].   | Informational |
| FQXSPTR4001I | Date and Time set by user [arg1]: Date=[arg2], Time=[arg3], DST Auto-adjust=[arg4], Timezone=[arg5].  | Informational |

Table 2. Events organized by severity (continued)

| Event ID     | Message String  | Severity      |
|--------------|---|---------------|
| FQXSPTR4002I | Synchronize time setting by user [arg1]: Mode=Sync with NTP Server, NTPServerHost1=[arg2]:[arg3],NTPServerHost2=[arg4]:[arg5], NTPServerHost3=[arg6]:[arg7],NTPServerHost4=[arg8]:[arg9], NTPUpdateFrequency=[arg10]. | Informational |
| FQXSPTR4003I | Synchronize time setting by user [arg1]: Mode=Sync with server clock.   | Informational |
| FQXSPUN0009I | Sensor [SensorElementName] has asserted.  | Informational |
| FQXSPUN0017I | Sensor [SensorElementName] has transitioned to normal state.  | Informational |
| FQXSPUN0026I | Device [LogicalDeviceElementName] has been added.   | Informational |
| FQXSPUN0056I | Sensor [SensorElementName] has deasserted.  | Informational |
| FQXSPUN2012I | Sensor [SensorElementName] has deasserted.  | Informational |
| FQXSPUN2018I | Sensor [SensorElementName] has deasserted the transition from normal to non-critical state.   | Informational |
| FQXSPUN2019I | Sensor [SensorElementName] has transitioned to a less severe state from critical.   | Informational |
| FQXSPUN2020I | Sensor [SensorElementName] has deasserted the transition to non-recoverable from a less severe state.   | Informational |
| FQXSPUN2023I | Sensor [SensorElementName] has deasserted the transition to non-recoverable.  | Informational |
| FQXSPUN2030I | Device [LogicalDeviceElementName] has been removed from unit [PhysicalPackageElementName].  | Informational |
| FQXSPUP4001I | Flash of [arg1] from [arg2] succeeded for user [arg3] .   | Informational |
| FQXSPUP4002I | Flash of [arg1] from [arg2] failed for user [arg3].   | 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 | Flash [arg1] of [arg2] from [arg3] succeeded for user [arg4] .  | Informational |
| FQXSPUP4011I | Flash [arg1] of [arg2] from [arg3] failed for user [arg4].  | Informational |
| FQXSPWD0000I | Watchdog Timer expired for [WatchdogElementName].   | Informational |
| FQXSPWD0001I | Reboot of system [ComputerSystemElementName] initiated by watchdog [WatchdogElementName].   | Informational |
| FQXSPWD0002I | Powering off system [ComputerSystemElementName] initiated by watchdog [WatchdogElementName].  | Informational |
| FQXSPWD0003I | Power cycle of system [ComputerSystemElementName] initiated by watchdog [WatchdogElementName].  | Informational |
| FQXSPWD0004I | Watchdog Timer interrupt occurred for [WatchdogElementName].  | Informational |
| FQXSPBR4001I | Running the backup Management Controller [arg1] main application.   | Warning       |
| FQXSPCA0007J | Numeric sensor [NumericSensorElementName] going high (upper non-critical) has asserted.   | Warning       |

Table 2. Events organized by severity (continued)

| Event ID     | Message String  | Severity |
|--------------|---|----------|
| FQXSPCA0015J | Sensor [SensorElementName] has transitioned from normal to non-critical state.  | Warning  |
| FQXSPDM4002I | Device [arg1] VPD is not valid.   | Warning  |
| FQXSPEA0003J | Link down is detected on port [arg1] of the PCIe device [arg2].   | Warning  |
| FQXSPEM4040I | Dust filter measurement is completed. The airflow pathway is obstructed, check and replace the dust filter, or remove any obstructing object. | Warning  |
| FQXSPEM4043I | A [arg1] failure has been detected and need [arg2] to recover.  | Warning  |
| FQXSPIO4001I | GPU Board Status was changed by [arg1] of [arg1].   | Warning  |
| FQXSPMA0010J | [PhysicalMemoryElementName] on Subsystem [MemoryElementName] Throttled.   | Warning  |
| FQXSPMA4034G | Health of DIMM [arg1] is in warning state and sub-state is [arg2].  | Warning  |
| FQXSPNM4010I | DHCP[[arg1]] failure, no IP address assigned.   | Warning  |
| FQXSPNM4032I | DHCPv6 failure, no IP address assigned.   | Warning  |
| FQXSPPP4009I | The measured power value exceeded the power cap value.  | Warning  |
| FQXSPPP4010I | The new minimum power cap value exceeded the power cap value.   | Warning  |
| FQXSPPU0002G | The Processor [ProcessorElementName] is operating in a Degraded State.  | Warning  |
| FQXSPPW0006I | [PowerSupplyElementName] has lost input.  | Warning  |
| FQXSPPW0031J | Numeric sensor [NumericSensorElementName] going low (lower non-critical) has asserted.  | Warning  |
| FQXSPPW0057J | Sensor [SensorElementName] has transitioned from normal to non-critical state.  | Warning  |
| FQXSPPW4002I | Total graphics power value has exceeded the pre-configured limit.   | Warning  |
| FQXSPSD0002G | Failure Predicted on [StorageVolumeElementName] for array [ComputerSystemElementName].  | Warning  |
| FQXSPUN0009G | Sensor [SensorElementName] has asserted.  | Warning  |
| FQXSPUN0018J | Sensor [SensorElementName] has transitioned from normal to non-critical state.  | Warning  |
| FQXSPUN0026G | Device [LogicalDeviceElementName] has been added.   | Warning  |
| FQXSPUN0056G | Sensor [SensorElementName] has asserted.  | Warning  |
| FQXSPBR4003I | Platform 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 | Numeric sensor [NumericSensorElementName] going low (lower critical) has asserted.  | Error    |
| FQXSPCA0009M | Numeric sensor [NumericSensorElementName] going high (upper critical) has asserted.   | Error    |

Table 2. Events organized by severity (continued)

| Event ID     | Message String   | Severity |
|--------------|--|----------|
| FQXSPCA0011N | Numeric sensor [NumericSensorElementName] going high (upper non-recoverable) has asserted.                           | Error    |
| FQXSPCA0017M | Sensor [SensorElementName] has transitioned to critical from a less severe state.                                    | Error    |
| FQXSPCA0019N | Sensor [SensorElementName] has transitioned to non-recoverable from a less severe state.                             | Error    |
| FQXSPIO0003N | A diagnostic interrupt has occurred on system [ComputerSystemElementName].   | Error    |
| FQXSPIO0004L | A bus timeout has occurred on bus [SensorElementName].   | Error    |
| FQXSPIO0006N | A software NMI has occurred on system [ComputerSystemElementName].   | Error    |
| FQXSPIO0011N | An Uncorrectable Error has occurred on [SensorElementName].  | Error    |
| FQXSPIO0015M | Fault in slot [PhysicalConnectorSystemElementName] on system [ComputerSystemElementName].                            | Error    |
| FQXSPMA0012M | An Over-Temperature Condition has been detected on the [PhysicalMemoryElementName] on Subsystem [MemoryElementName]. | Error    |
| FQXSPMA4035M | Health of DIMM [arg1] is in error state and sub-state is [arg2].   | Error    |
| 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 [ProcessorElementName].   | Error    |
| FQXSPPU0003N | [ProcessorElementName] has Failed with IERR.   | Error    |
| FQXSPPW0002L | [PowerSupplyElementName] has Failed.   | Error    |
| FQXSPPW0035M | Numeric sensor [NumericSensorElementName] going low (lower critical) has asserted.                                   | Error    |
| FQXSPPW0047M | Numeric sensor [NumericSensorElementName] going high (upper critical) has asserted.                                  | Error    |
| FQXSPPW0063M | Sensor [SensorElementName] has transitioned to critical from a less severe state.                                    | Error    |
| FQXSPSD0001L | The [StorageVolumeElementName] has a fault.  | Error    |
| FQXSPSD0005L | Array [ComputerSystemElementName] is in critical condition.  | Error    |
| FQXSPSD0006L | Array [ComputerSystemElementName] has failed.  | Error    |
| FQXSPSE4000I | Certificate Authority [arg1] has detected a [arg2] Certificate Error.  | Error    |
| FQXSPUN0019M | Sensor [SensorElementName] has transitioned to critical from a less severe state.                                    | Error    |
| FQXSPUN0020N | Sensor [SensorElementName] has transitioned to non-recoverable from a less severe state.                             | Error    |
| FQXSPUN0023N | Sensor [SensorElementName] has transitioned to non-recoverable.  | Error    |

Table 2. Events organized by severity (continued)

| Event ID     | Message String   | Severity |
|--------------|--|----------|
| FQXSPUN0047N | Sensor [SensorElementName] has transitioned to non-recoverable.  | Error    |
| FQXSPUP0007L | Invalid or Unsupported firmware or software was detected on system [ComputerSystemElementName].  | Error    |
| FQXSPUP4000I | Please ensure that the Management Controller [arg1] is flashed with the correct firmware. The Management Controller is unable to match its firmware to the server. | Error    |
| FQXSPUP4003I | [arg1] firmware mismatch internal to system [arg2]. Please attempt to flash the [arg3] firmware.   | Error    |
| FQXSPUP4004I | XCC firmware mismatch between nodes/servers [arg1] and [arg2]. Please attempt to flash the XCC firmware to the same level on all nodes/servers.                    | Error    |
| FQXSPUP4005I | FPGA firmware mismatch between nodes/servers [arg1] and [arg2]. Please attempt to flash the FPGA firmware to the same level on all nodes/servers.                  | 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

- **FQXSPBR4001I: Running the backup Management Controller [arg1] main application.**

This message is for the use case where a Management Controller has resorted to running the backup main application.

Severity: Warning  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0030

User Action:

Update the XCC firmware to a version that the server supports. 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.

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

This message is for the use case when an implementation has detected a Platform 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 XCC 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.

- **FQXSPBR4004I: Server timeouts set by user [arg1]: EnableOSWatchdog=[arg2], OSWatchdogTimeout=[arg3], EnableLoaderWatchdog=[arg4], LoaderTimeout=[arg5].**

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].**

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 cycle to reset the XCC.
2. After 45 seconds, reconnect the server to the power source and turn on the server.
3. Retry the operation.

- **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 cycle to reset the XCC.
2. After 45 seconds, reconnect the server to the power source and turn on the server.
3. Retry the operation.

- **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].**

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].**

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 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

- **FQXSPBT0007I: No bootable media available for system [ComputerSystemElementName].**

This message is for the use case when an implementation has detected a System with No Bootable Media.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0286

User Action:

Please ensure bootable media be installed correctly.

- **FQXSPCA0002M: Numeric sensor [NumericSensorElementName] 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 - Fan Failure  
SNMP Trap ID: 11  
CIM Prefix: PLAT CIM ID: 0480

User Action:

Complete the following steps:

1. Check the event log of FPC and xClarity Controller for any cooling-related issues or power-related issues.
2. Make sure that the room temperature is within operating specifications.

- **FQXSPCA0007J: Numeric sensor [NumericSensorElementName] 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:

1. Check the event log of FPC and xClarity Controller for any cooling-related issues or power-related issues.
2. Make sure that the room temperature is within operating specifications.

- **FQXSPCA0009M: Numeric sensor [NumericSensorElementName] 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:

1. Check the event log of FPC and xClarity Controller for any cooling-related issues or power-related issues.
2. Make sure that the room temperature is within operating specifications.

- **FQXSPCA0011N: Numeric sensor [NumericSensorElementName] 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:

1. Check the event log of FPC and xClarity Controller for any cooling-related issues or power-related issues.
2. Make sure that the room temperature is within operating specifications.

- **FQXSPCA0013I: Sensor [SensorElementName] has transitioned to normal state.**

This message is for the use case when an implementation has detected a Sensor transition 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

- **FQXSPCA0015J: Sensor [SensorElementName] has transitioned from normal to non-critical state.**

This message is for the use case when an implementation has detected a Sensor transitioned to non-critical from normal.

Severity: Warning  
Serviceable: Yes

Automatically notify Support: No  
Alert Category: Warning - Temperature  
SNMP Trap ID: 12  
CIM Prefix: PLAT CIM ID: 0520

User Action:

Complete the following steps:

1. Check the event log of FPC and xClarity Controller for any cooling-related issues or power-related issues.
2. Make sure that the room temperature is within operating specifications.

- **FQXSPCA0017M: Sensor [SensorElementName] has transitioned to critical from a less severe state.**

This message is for the use case when an implementation has detected 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:

1. Check the event log of FPC and xClarity Controller for any cooling-related issues or power-related issues.
2. Make sure that the room temperature is within operating specifications.

- **FQXSPCA0019N: Sensor [SensorElementName] has transitioned to non-recoverable from a less severe state.**

This message is for the use case when an implementation has detected 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:

1. Check the event log of FPC and xClarity Controller for any cooling-related issues or power-related issues.
2. Make sure that the room temperature is within operating specifications.

- **FQXSPCA2007I: Numeric sensor [NumericSensorElementName] 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: Numeric sensor [NumericSensorElementName] 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: Numeric sensor [NumericSensorElementName] 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

- **FQXSPCA2015I: Sensor [SensorElementName] 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 - Temperature  
SNMP Trap ID: 12  
CIM Prefix: PLAT CIM ID: 0521

User Action:

Information only; no action is required

- **FQXSPCA2017I: Sensor [SensorElementName] has transitioned to a less severe state from critical.**

This message is for the use case when an implementation has detected a Sensor transition 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: Sensor [SensorElementName] 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 transition 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

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

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

- **FQXSPCN4001I: Remote Control session started by user [arg1] in [arg2] mode.**

Remote Control session started

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0128

User Action:

Information only; no action is required

- **FQXSPCN4002I: User [arg1] has terminated an active CLI console session.**

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

- **FQXSPCN4003I: Remote Control session started by user [arg1] in [arg2] mode has been closed.**

Remote Control session closed

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0194

User Action:

Information only; no action is required

- **FQXSPCN4004I: User [arg1] has created an active [arg2] console session.**

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.**

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

- **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

- **FQXSPDM4001I: Storage [arg1] has changed.**

This message is for the use case where an IP address for the Storage Management has changed

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - IMM Network event  
SNMP Trap ID: 37  
CIM Prefix: IMM CIM ID: 0139

User Action:

Information only; no action is required

- **FQXSPDM4002I: Device [arg1] VPD is not valid.**

The VPD for a device is invalid

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

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].**

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] .**

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.**

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.**

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].**

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.**

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].**

User has mounted/unmounted file from 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] .**

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]**

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] Interval=[arg3]**

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 [arg1] of the PCIe device [arg2].**

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

- **FQXSPEM4000I: The [arg1] on system [arg2] cleared by user [arg3].**

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

- **FQXSPEM4001I: The [arg1] on system [arg2] is 75% full.**

This message is for the use case where a Management Controller Event Log on a system is 75% full.

Severity: Info  
Serviceable: No  
Automatically notify Support: No

Alert Category: System - Event Log Fullness  
SNMP Trap ID: 35  
CIM Prefix: IMM CIM ID: 0037

User Action:

Information only; no action is required

- **FQXSPEM4002I: The [arg1] on system [arg2] is 100% full.**

This message is for the use case where a Management Controller Event Log on a system is 100% full.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Event Log Fullness  
SNMP Trap ID: 35  
CIM Prefix: IMM CIM ID: 0038

User Action:

To avoid losing older log entries, save the log as a text file and clear the log.

- **FQXSPEM4003I: LED [arg1] state changed to [arg2] by [arg3].**

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] .**

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] .**

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].**

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] updated: Name=[arg2], DeliveryMethod=[arg3], Address=[arg4], IncludeLog=[arg5], Enabled=[arg6], EnabledAlerts=[arg7], AllowedFilters=[arg8] by user [arg9] from [arg10] at IP address [arg11].**

A user adds or updates an 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=[arg2], AllowedFilters=[arg3] .**

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

- **FQXSP4010I: UEFI Reported: [arg1].**

UEFI audit event logged.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0161

User Action:

Information only; no action is required

- **FQXSP4011I: 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

- **FQXSP4012I: User [arg1] made system [arg2] Encapsulation lite Mode.**

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

- **FQXSP4013I: Battery error was detected by RAID controller. The battery unit needs replacement.([arg1],[arg2],[arg3],[arg4],[arg5])**

Battery error was detected by RAID controller

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0202

User Action:

Information only; no action is required

- **FQXSP4014I: The RAID controller has problem with the battery. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])**

The RAID controller has problem with the battery

Severity: Info  
Serviceable: No  
Automatically notify Support: Yes  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0203

User Action:

Information only; no action is required

- **FQXSP4015I: The RAID controller detected unrecoverable error. The controller needs replacement.([arg1],[arg2],[arg3],[arg4],[arg5])**

The RAID controller detected unrecoverable error

Severity: Info  
Serviceable: No  
Automatically notify Support: Yes  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0204

User Action:

Information only; no action is required

- **FQXSP4016I: The RAID controller detected one or more problems. Please contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])**

The RAID controller detected one or more problems

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0205

User Action:

Information only; no action is required

- **FQXSP4017I: The RAID controller detected one or more possible configuration changes within the subsystem. Please check the drive LED status. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])**

The RAID controller detected one or more possible configuration changes within the subsystem

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0206

User Action:

Information only; no action is required

- **FQXSP4018I: Enclosure/Chassis issue detected with one or more units. Please check the enclosure/chassis units to repair the problem.([arg1],[arg2],[arg3],[arg4],[arg5])**

Enclosure/Chassis issue detected with one or more units

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0207

User Action:

Information only; no action is required

- **FQXSP4019I: Connectivity issue detected with the enclosure/chassis. Please check your cable configurations to repair the problem.([arg1],[arg2],[arg3],[arg4],[arg5])**

Connectivity issue detected with the enclosure/chassis

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0208

User Action:

Information only; no action is required

- **FQXSP4020I: Fan problem detected with the enclosure/chassis. Please check the enclosure/chassis unit fan for correct operation.([arg1],[arg2],[arg3],[arg4],[arg5])**

Fan problem detected with the enclosure/chassis

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0209

User Action:

Information only; no action is required

- **FQXSP4022I: Enclosure/Chassis power supply has problem. Please check the enclosure/chassis unit power supply for correct operation.([arg1],[arg2],[arg3],[arg4],[arg5])**

Enclosure/Chassis power supply has problem

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0210



User Action:

Information only; no action is required

- **FQXSP4023I: One or more virtual drive are in abnormal status that may cause unavailable virtual drive. Please check the event logs and if events are targeted to the same disk then replace the drive. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])**

One or more virtual drive are in abnormal status that may cause unavailable virtual drive

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0211

User Action:

Information only; no action is required

- **FQXSP4024I: The RAID controller detected one or more possible configuration problem within the subsystem. Please check the event logs and if events are targeted to the same disk then replace the drive. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])**

The RAID controller detected one or more possible configuration problem within the subsystem

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0212

User Action:

Information only; no action is required

- **FQXSP4025I: One or more virtual drive have problem. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])**

One or more virtual drive have problem

Severity: Info  
Serviceable: No  
Automatically notify Support: Yes  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0213

User Action:

Information only; no action is required

- **FQXSP4026I: Drive error was detected by RAID controller. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])**

Drive error was detected by RAID controller

Severity: Info  
Serviceable: No

Automatically notify Support: Yes  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0214

User Action:

Information only; no action is required

- **FQXSP40271: Drive error was detected by RAID controller. Please check the event logs and if events are targeted to the same disk then replace the drive. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])**

Drive error was detected by RAID controller

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0215

User Action:

Information only; no action is required

- **FQXSP40281: The port [arg1] of PCIe device [arg2] at [arg3] has link [arg4].**

PCI device link

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0220

User Action:

Information only; no action is required

- **FQXSP40291: All PCIe slots on [arg1] may not be functional based upon your current CPU population.**

PCIe not be functional

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0221

User Action:

Information only; no action is required

- **FQXSP40301: A scheduled operation on the RAID controller has encountered an issue. Refer to RAID Logs under Server Management, Local Storage, for details.([arg1],[arg2],[arg3],[arg4],[arg5])**

The RAID controller has scheduled operation issue

Severity: Info

Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0223

User Action:

Information only; no action is required

- **FQXSPPEM4031I: SSD wear threshold setting is changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

SSD wear threshold setting is changed by 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

- **FQXSPPEM4032I: Acoustic Mode [arg1] has been engaged. Fan speed limits are in place.**

This message is for the use case where Acoustic Mode is engaged.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0274

User Action:

Information only; no action is required

- **FQXSPPEM4033I: Acoustic Mode [arg1] has been disengaged to allow adequate cooling.**

This message is for the use case where Acoustic Mode is disengaged.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0275

User Action:

Information only; no action is required

- **FQXSPPEM4036I: Dust filter measurement schedule is configured on server [arg1] by user [arg2] from [arg3] at IP address [arg4].**

Dust filter measurement schedule is configured

Severity: Info  
Serviceable: No

Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0305

User Action:

Information only; no action is required

- **FQXSPEM4037I: Attempting to perform scheduled dust filter measurement on server [arg1].**

Attempting to perform scheduled dust filter measurement

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0306

User Action:

Information only; no action is required

- **FQXSPEM4038I: Dust filter measurement schedule is disabled on server [arg1] by user [arg2] from [arg3] at IP address [arg4].**

Dust filter measurement schedule is disabled

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0307

User Action:

Information only; no action is required

- **FQXSPEM4039I: Attempting to perform an immediate dust filter measurement on server [arg1] by user [arg2] from [arg3] at IP address [arg4].**

Attempting to perform an immediate dust filter measurement

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0308

User Action:

Information only; no action is required

- **FQXSPEM4040I: Dust filter measurement is completed. The airflow pathway is obstructed, check and replace the dust filter, or remove any obstructing object.**

Alert the user when dust filter measurement fails

Severity: Warning  
Serviceable: No

Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0309

User Action:

Information only; no action is required

- **FQXSPPEM4041I: 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

- **FQXSPPEM4042I: 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

- **FQXSPPEM4043I: A [arg1] failure has been detected and need [arg2] to recover.**

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

- **FQXSPPEM4044I: Dust filter measurement was successfully completed, no action is needed.**

Alert the user when dust filter measurement is completed.

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

CIM Prefix: IMM CIM ID: 0321

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 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

- **FQXSPFC4002I: System running in setup.**

System running in setup

Severity: Info

Serviceable: No

Automatically notify Support: No

Alert Category: System - Other

SNMP Trap ID: 22

CIM Prefix: IMM CIM ID: 0193

User Action:

Information only; no action is required

- **FQXSPFC4003I: UEFI deployment boot mode is enabled for NextBoot.**

UEFI deployment boot mode is enabled for NextBoot

Severity: Info

Serviceable: No

Automatically notify Support: No

Alert Category: System - Other

SNMP Trap ID: 22

CIM Prefix: IMM CIM ID: 0197

User Action:

Information only; no action is required

- **FQXSPFC4004I: UEFI deployment boot mode is enabled for NextAc.**

UEFI deployment boot mode is enabled for NextAC

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0198

User Action:

Information only; no action is required

- **FQXSPFC4005I: UEFI deployment boot mode has been disabled.**

UEFI deployment boot mode has been disabled

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0199

User Action:

Information only; no action is required

- **FQXSPFW2001I: The System [ComputerSystemElementName] has detected a POST Error deassertion.**

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

- **FQXSPIO0003N: A diagnostic interrupt has occurred on system [ComputerSystemElementName].**

This message is for the use case when an implementation has detected a Front Panel NMI / Diagnostic Interrupt.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0222

User Action:

1. If the NMI button on the operator information panel has not been pressed, complete the following steps:
2. Reseat the identified compute node.
3. If the problem still exist, replace the compute node.
4. (Trained technician only)Replace the system board. Reseat the identified compute node.
5. If error still exist, then replace compute node.

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

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:

Please reseat the processor and reboot the compute node. If the problem still exist, please replace the identified processor in the compute node.

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

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:

Need uEFI team to input actions

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

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 [SensorElementName].**

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:

1. Check <http://support.lenovo.com/> for TECH tips or firmware updates that might correct the error.
2. Make sure that all I/O expansion adapters have correct and matching levels of device drivers and firmware.
3. Check the system-event log for additional information about failing components.
4. If there are no entries related to the error in the XCC event log, contact Lenovo service.

- **FQXSPIO0015M: Fault in slot [PhysicalConnectorSystemElementName] on system [ComputerSystemElementName].**

This message is for the use case when an implementation has detected a Fault in a slot.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: Yes  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0330

User Action:

Complete the following steps until the problem is solved:

1. Reseat the affected adapters and riser card.
2. Update the server firmware (UEFI and XCC) and adapter firmware.

**Note:** Some cluster solutions require specific code levels or coordinated code updates.

3. 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.
4. Replace the affected adapters.
5. Replace the riser card.
6. (Trained service technicians only) Replace the system board.

- **FQXSPIO2003I: System [ComputerSystemElementName] has recovered from a diagnostic interrupt.**

This message is for the use case when an implementation has detected a recovery from a Front Panel NMI / Diagnostic Interrupt

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0223

User Action:

Information only; no action is required

- **FQXSPIO2004I: Bus [SensorElementName] 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

- **FQXSPIO2006I: System [ComputerSystemElementName] has recovered from an NMI.**

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

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 [SensorElementName] 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.

- **FQXSPIO2015I: Fault condition removed on slot [PhysicalConnectorElementName] on system [ComputerSystemElementName].**

This message is for the use case when an implementation has detected a Fault condition in a slot has been removed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0331

User Action:

Information only; no action is required.

- **FQXSPIO4001I: GPU Board Status was changed by [arg1] of [arg1].**

This message is for the use case where GPU Board Status was changed.

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0276

User Action:

Information only; no action is required

- **FQXSPIO4002I: GPU Board Status was recovered by [arg1] of [arg1].**

This message is for the use case where GPU Board Status was changed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0277

User Action:

Information only; no action is required

- **FQXSPMA0003I: [PhysicalMemoryElementName] Added on Subsystem [MemoryElementName].**

This message is for the use case when an implementation has detected Memory that has been Added.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0128

User Action:

Need XCC team to identify sensor name or trigger situation.

- **FQXSPMA0010J: [PhysicalMemoryElementName] on Subsystem [MemoryElementName] 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:

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 baffles are in place if applicable
5. If the problem persists and there are no other DIMMs with the same indication, replace the DIMM.

- **FQXSPMA0012M: An Over-Temperature Condition has been detected on the [PhysicalMemoryElementName] on Subsystem [MemoryElementName].**

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:

Need thermal team input

- **FQXSPMA2003I: [PhysicalMemoryElementName] Removed on Subsystem [MemoryElementName].**

This message is for the use case when an implementation has detected Memory has been Removed.

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

User Action:

Need XCC team to identify sensor name or trigger situation.

- **FQXSPMA2005I: The System [ComputerSystemElementName] has detected a POST Error deassertion.**

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 - Memory  
 SNMP Trap ID: 41  
 CIM Prefix: PLAT CIM ID: 0185

User Action:

Information only; no action is required

- **FQXSPMA2007I: Scrub Failure for [PhysicalMemoryElementName] on Subsystem [MemoryElementName] has recovered.**

This message is for the use case when an implementation has detected a Memory Scrub failure recovery.

Severity: Info  
 Serviceable: No

Automatically notify Support: No  
Alert Category: Critical - Memory  
SNMP Trap ID: 41  
CIM Prefix: PLAT CIM ID: 0137

User Action:

Information only; no action is required

- **FQXSPMA2010I: [PhysicalMemoryElementName] on Subsystem [MemoryElementName] 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 [PhysicalMemoryElementName] on Subsystem [MemoryElementName].**

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

- **FQXSPMA2013I: The System [ComputerSystemElementName] has detected a POST Error deassertion.**

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 - Memory  
SNMP Trap ID: 41  
CIM Prefix: PLAT CIM ID: 0185

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].**

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].**

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].**

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].**

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].**

This message is for the use case where a user enables 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].**

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

- **FQXSPNM4007I: IP address of network interface modified from [arg1] to [arg2] by user [arg3].**

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: 0009

User Action:

Information only; no action is required

- **FQXSPNM4008I: IP subnet mask of network interface modified from [arg1] to [arg2] by user [arg3].**

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: 0010

User Action:

Information only; no action is required

- **FQXSPNM4009I: IP address of default gateway modified from [arg1] to [arg2] by user [arg3].**

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: 0011

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 XCC network cable is connected.
2. Make sure that there is a DHCP server on the network that can assign an IP address to the XCC.

- **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

- **FQXSPNM4015I: DHCP setting changed to [arg1] by user [arg2].**

This message is for the use case where a user changes the DHCP setting.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0026

User Action:

Information only; no action is required

- **FQXSPNM4016I: Domain name set to [arg1] by user [arg2].**

Domain name set by 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].**

Domain source changed by 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].**

DDNS setting changed by 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] .**

IPv6 protocol is enabled by 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] .**

IPv6 protocol is disabled by 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].**

IPv6 static address assignment method is enabled by 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].**

IPv6 DHCP assignment method is enabled by 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].**

IPv6 statless auto-assignment method is enabled by 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].**

IPv6 static assignment method is disabled by 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].**

IPv6 DHCP assignment method is disabled by 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].**

IPv6 statless auto-assignment method is disabled by 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@=[arg5].**

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].**

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

- **FQXSPNM4032I: DHCPv6 failure, no IP address assigned.**

S DHCP6 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: 0059

User Action:

Please ensure DHCP server is working.

- **FQXSPNM4033I: Telnet port number changed from [arg1] to [arg2] by user [arg3].**

A user has modified the telnet port number

Severity: Info  
Serviceable: No  
Automatically notify Support: No

Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0061

User Action:

Information only; no action is required

- **FQXSPNM4034I: SSH port number changed from [arg1] to [arg2] by user [arg3].**

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].**

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].**

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

- **FQXSPNM4037I: CIM/XML HTTP port number changed from [arg1] to [arg2] by user [arg3].**

A user has modified the CIM HTTP port number

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0065

User Action:

Information only; no action is required

- **FQXSPNM4038I: CIM/XML HTTPS port number changed from [arg1] to [arg2] by user [arg3].**

A user has modified the CIM HTTPS port number

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0066

User Action:

Information only; no action is required

- **FQXSPNM4039I: SNMP Agent port number changed from [arg1] to [arg2] by user [arg3].**

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].**

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 changed from [arg1] to [arg2] by user [arg3].**

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].**

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].**

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

- **FQXSPNM4044I: Telnet [arg1] by user [arg2].**

A user enables or disables Telnet services

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0087

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].**

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].**



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].**

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].**

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].**

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

- **FQXSPNM4050I: User [arg1] has initiated an SMTP Server Connection Test.**

User initiated an SMTP Server Connection test.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0160

User Action:

Information only; no action is required

- **FQXSPNM4051I: User [arg1] has set the SMTP Server reverse-path to [arg2].**

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

- **FQXSPNM4052I: DHCP specified hostname is set to [arg1] by user [arg2].**

DHCP specified hostname is set by user

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0216

User Action:

Information only; no action is required

- **FQXSPNM4053I: DNS discovery of Lenovo XClarity Administrator has been [arg1] by user [arg2].**

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].**

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 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 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].**

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].**

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].**

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

- **FQXSPOS4000I: OS Watchdog response [arg1] by [arg2] .**

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:

1. If there was no operating-system error, complete the following steps until the problem is solved:
2. Reconfigure the watchdog timer to a higher value.
3. Make sure that the IMM Ethernet-over-USB interface is enabled.
4. Reinstall the RNDIS or cdc\_ether device driver for the operating system.
5. Disable the watchdog.
6. If there was an operating-system error, check the integrity of the installed operating system.

- **FQXSP0S4002I: 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:

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. Complete the following steps until the problem is solved:

1. Reconfigure the watchdog timer to a higher value.
2. Make sure that the XCC 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. Update the XCC firmware.

- **FQXSP0S4003I: 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 XCC 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.

- **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:

Information only; no action is required

- **FQXSPOS4011I: 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 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

- **FQXSPOS4012I: 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].**

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].**

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].**

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].**

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].**

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].**

Power Cap values changed by 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

- **FQXSPPP4006I: The minimum power cap value changed from [arg1] watts to [arg2] watts.**

Minimum Power Cap value changed

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0114

User Action:

Information only; no action is required

- **FQXSPPP4007I: The maximum power cap value changed from [arg1] watts to [arg2] watts.**

Maximum Power Cap value changed

Severity: Info  
Serviceable: No  
Automatically notify Support: No

Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0115

User Action:

Information only; no action is required

- **FQXSPPP4008I: The soft minimum power cap value changed from [arg1] watts to [arg2] watts.**

Soft Minimum Power Cap value changed

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0116

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

- **FQXSPPP4010I: The new minimum power cap value exceeded the power cap value.**

Minimum Power Cap exceeds Power Cap

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Power  
SNMP Trap ID: 164  
CIM Prefix: IMM CIM ID: 0118

User Action:

Information only; no action is required

- **FQXSPPP4011I: Power capping was activated by user [arg1].**

Power capping activated by 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].**

Power capping deactivated by 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

- **FQXSPPP4013I: Static Power Savings mode has been turned on by user [arg1].**

Static Power Savings mode turned on by user

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0121

User Action:

Information only; no action is required

- **FQXSPPP4014I: Static Power Savings mode has been turned off by user [arg1].**

Static Power Savings mode turned off by user

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0122

User Action:

Information only; no action is required

- **FQXSPPP4015I: Dynamic Power Savings mode has been turned on by user [arg1].**

Dynamic Power Savings mode turned on by user

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0123

User Action:

Information only; no action is required

- **FQXSPPP4016I: Dynamic Power Savings mode has been turned off by user [arg1].**

Dynamic Power Savings mode turned off by user

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0124

User Action:

Information only; no action is required

- **FQXSPPP4017I: Power cap and external throttling occurred.**

Power cap and external throttling occurred

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0125

User Action:

Information only; no action is required

- **FQXSPPP4018I: External throttling occurred .**

External throttling occurred

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0126

User Action:

Information only; no action is required

- **FQXSPPP4019I: Power cap throttling occurred.**

Power cap throttling occurred

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0127

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

- **FQXSPPP4021I: The new minimum power cap value has returned below the power cap value.**

Minimum Power Cap exceeds Power Cap recovered

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Power  
SNMP Trap ID: 164  
CIM Prefix: IMM CIM ID: 0131

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.**

Server was reset via 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.**

Server was power-up via 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..**

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.**

Server was restarted for 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.**

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..**

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.**

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.**

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.**

Server was 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).**

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.**

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.**

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.**

Server was powered off via 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.**

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.**

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..**

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.**

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).**

Server was powered up 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

- **FQXSPPP4043I: Management Controller [arg1] reset was initiated by PRESET.**

Management Controller reset was initiated by PRESET

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0187

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

- **FQXSPPP4045I: Management Controller [arg1] reset was initiated by XCC firmware.**

Management Controller reset was initiated by XCC firmware

Severity: Info  
Serviceable: No

Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0189

User Action:

Information only; no action is required

- **FQXSPPP4047I: Management Controller [arg1] reset was initiated by user [arg2].**

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].**

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

- **FQXSPPP4051I: The programmable GPU total power capping value changed from [arg1] watts to [arg2] watts by user [arg3] from [arg4] at IP address [arg5].**

Programmable GPU total power capping changed by user

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0296

User Action:

Information only; no action is required

- **FQXSPPP4052I: The programmable GPU peak power capping value changed from [arg1] watts to [arg2] watts by user [arg3] from [arg4] at IP address [arg5].**

Programmable GPU peak power capping changed by user

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0297

User Action:

Information only; no action is required

- **FQXSPPP4053I: This message is reserved.**

This message is reserved.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0301

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 PSU.

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: [ManagedElementName] 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: [ManagedElementName] 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

- **FQXSPPU0000I: [ProcessorElementName] in slot [SlotElementName] has been added.**

This message is for the use case when an implementation has detected a Processor has been Added.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0034

User Action:

Information only; no action is required

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

This message is for the use case when an implementation has detected an Over-Temperature Condition Detected for 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:

Need thermal team input

- **FQXSPPU0002G: The Processor [ProcessorElementName] 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:

1. Please check power status.
2. Turn off the existing application that you are running and wait for 10 mins to monitor the device be back to normal.
3. If the problem still exist, please reboot the system.
4. Contact local service to solve the issue if the probme still exist.

- **FQXSPPU0003N: [ProcessorElementName] has Failed with IERR.**

This message is for the use case when an implementation has detected a Processor Failed - IERR Condition.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - CPU  
SNMP Trap ID: 40  
CIM Prefix: PLAT CIM ID: 0042

User Action:

1. Please collect system event log to repository device or deive to save for local service to investigate.
2. Please reboot the system.(AC off )
3. If the problem still exist, please provide the saved data to local serivce.

- **FQXSPPU2000I: [ProcessorElementName] in slot [SlotElementName] has been removed.**

This message is for the use case when an implementation has detected a Processor has been Removed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0035

User Action:

Information only; no action is required

- **FQXSPPU2001I: An Over-Temperature Condition has been removed on [ProcessorElementName].**

This message is for the use case when an implementation has detected a Over-Temperature Condition has been Removed for 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:

Need thermal team input

- **FQXSPPU2002I: The Processor [ProcessorElementName] 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

- **FQXSPPU2003I: [ProcessorElementName] has Recovered from IERR.**

This message is for the use case when an implementation has detected a Processor Recovered - IERR Condition.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - CPU  
SNMP Trap ID: 40  
CIM Prefix: PLAT CIM ID: 0043

User Action:

Information only; no action is required

- **FQXSPPU2004I: [ProcessorElementName] has Recovered from FRB1/BIST condition.**

This message is for the use case when an implementation has detected a Processor Recovered - FRB1/BIST condition.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - CPU  
SNMP Trap ID: 40  
CIM Prefix: PLAT CIM ID: 0045

User Action:

Information only; no action is required

- **FQXSPPW0001I: [PowerSupplyElementName] has been added to container [PhysicalPackageElementName].**

This message is for the use case when an implementation has detected a Power Supply 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: [PowerSupplyElementName] has Failed.**

This message is for the use case when an implementation has detected a Power Supply 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:

Need power team to input

- **FQXSPPW0006I: [PowerSupplyElementName] has lost input.**

This message is for the use case when an implementation has detected a Power Supply that has input that has been lost.

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Power  
SNMP Trap ID:  
CIM Prefix: PLAT CIM ID: 0100

User Action:

Need power team to input

- **FQXSPPW0008I: [SensorElementName] has been turned off.**

This message is for the use case when an implementation has detected a Power Unit that 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: [PowerSupplyElementName] has been Power Cycled.**



This message is for the use case when an implementation has detected a Power Unit that 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:

Need power team to input

- **FQXSPPW0031J: Numeric sensor [NumericSensorElementName] 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:

CMOS battery is recommended to replace with new one.

- **FQXSPPW0035M: Numeric sensor [NumericSensorElementName] 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 - Voltage  
SNMP Trap ID: 1  
CIM Prefix: PLAT CIM ID: 0480

User Action:

1. Use one of the following procedures:
2. If the specified sensor is Planar 3.3V or Planar 5V, (trained technician only)replace the system board.
3. If the specified sensor is Planar 12V, check FPC or xClarity Controller event log for power-supply-related issues, and resolve those issues.
4. If the problem remains, replace (trained technician only)the system board.

- **FQXSPPW0047M: Numeric sensor [NumericSensorElementName] 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: Yes  
Alert Category: Critical - Voltage  
SNMP Trap ID: 1  
CIM Prefix: PLAT CIM ID: 0494

User Action:

1. Use one of the following procedures:
2. If the specified sensor is Planar 3.3V or Planar 5V, (trained technician only)replace the system board.
3. If the specified sensor is Planar 12V, check FPC or xClarify Controller event log for power-supply-related issues, and resolve those issues.
4. If the problem remains, replace (trained technician only)the system board."

- **FQXSPW0055I: Sensor [SensorElementName] has transitioned to normal state.**

This message is for the use case when an implementation has detected a Sensor transition to the normal state.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Voltage  
SNMP Trap ID: 13  
CIM Prefix: PLAT CIM ID: 0518

User Action:

Information only; no action is required

- **FQXSPW0057J: Sensor [SensorElementName] has transitioned from normal to non-critical state.**

This message is for the use case when an implementation has detected 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:

Please check event in FPC.

- **FQXSPW0063M: Sensor [SensorElementName] has transitioned to critical from a less severe state.**

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

Severity: Error  
Serviceable: Yes  
Automatically notify Support: Yes  
Alert Category: Critical - Voltage  
SNMP Trap ID: 1  
CIM Prefix: PLAT CIM ID: 0522

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 Server Proven website (<http://www.lenovo.com/us/en/serverproven/index.shtml>) 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.

- **FQXSPW2001I: [PowerSupplyElementName] has been removed from container [PhysicalPackageElementName].**

This message is for the use case when an implementation has detected a Power Supply 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

- **FQXSPW2002I: [PowerSupplyElementName] has returned to OK status.**

This message is for the use case when an implementation has detected a Power Supply return 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

- **FQXSPW2006I: [PowerSupplyElementName] has returned to a Normal Input State.**

This message is for the use case when an implementation has detected a Power Supply 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

- **FQXSPPW2008I: [PowerSupplyElementName] has been turned on.**

This message is for the use case when an implementation has detected a Power Unit that 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

- **FQXSPPW2031I: Numeric sensor [NumericSensorElementName] 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

- **FQXSPPW2035I: Numeric sensor [NumericSensorElementName] 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

- **FQXSPPW2047I: Numeric sensor [NumericSensorElementName] 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 - Voltage

SNMP Trap ID: 1  
CIM Prefix: PLAT CIM ID: 0495

User Action:

Information only; no action is required

- **FQXSPW2063I: Sensor [SensorElementName] has transitioned to a less severe state from critical.**

This message is for the use case when an implementation has detected a Sensor transition 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

- **FQXSPW4001I: PCIe Power Brake for [arg1] has been [arg2].**

This message is for the use case where PCIe Power Brake.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0243

User Action:

Information only; no action is required

- **FQXSPW4002I: Total graphics power value has exceeded the pre-configured limit.**

This message is for the use case where total graphics power value value has exceeded the pre-configured limit.

Severity: Warning  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: IMM CIM ID: 0328

User Action:

Information only; no action is required

- **FQXSPW4003I: The customized total graphics power is within the pre-configured limit.**

This message is for the use case where the customized total graphics power is within the pre-configured limit.

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

SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0329

User Action:

Information only; no action is required

- **FQXSPSD0000I: The [StorageVolumeElementName] has been added.**

This message is for the use case when an implementation has detected a Drive has been Added.

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

User Action:

Information only; no action is required

- **FQXSPSD0001L: The [StorageVolumeElementName] has a fault.**

This message is for the use case when an implementation has detected a Drive was Disabled due to 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:

1. Check the Support Portal(<http://support.lenovo.com/>)for service bulletins and TECH tips and firmware update related to your drive.
2. Check for any other RAID-related error.
3. Replace the drive.

- **FQXSPSD0002G: Failure Predicted on [StorageVolumeElementName] for array [ComputerSystemElementName].**

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:

Replace hard disk drive 0 at the next maintenance period.

- **FQXSPSD0003I: Hot Spare enabled for [ComputerSystemElementName].**

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

- **FQXSPSD0005L: Array [ComputerSystemElementName] is in critical condition.**

This message is for the use case when an implementation has detected that an Array is Critical.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Hard Disk drive  
SNMP Trap ID: 5  
CIM Prefix: PLAT CIM ID: 0174

User Action:

Replace the hard disk drive that is indicated by a lit status LED.

- **FQXSPSD0006L: Array [ComputerSystemElementName] has failed.**

This message is for the use case when an implementation has detected that an Array Failed.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: Yes  
Alert Category: Critical - Hard Disk drive  
SNMP Trap ID: 5  
CIM Prefix: PLAT CIM ID: 0176

User Action:

Complete the following steps:

1. Replace any hard disk drive that is indicated by a lit status LED.
2. Re-create the array.
3. Restore the data from a backup.

- **FQXSPSD0007I: Rebuild in progress for Array in system [ComputerSystemElementName].**

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 [StorageVolumeElementName] has been removed from unit [PhysicalPackageElementName].**

This message is for the use case when an implementation has detected a Drive has been Removed.

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

User Action:

Information only; no action is required

- **FQXSPSD2001I: The [StorageVolumeElementName] has recovered from a fault.**

This message is for the use case when an implementation has detected 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 [StorageVolumeElementName] for array [ComputerSystemElementName].**

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 for [ComputerSystemElementName].**

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

- **FQXSPSD2005I: Critical Array [ComputerSystemElementName] has deasserted.**



This message is for the use case when an implementation has detected that an Critical Array has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Hard Disk drive  
SNMP Trap ID: 5  
CIM Prefix: PLAT CIM ID: 0175

User Action:

Information only; no action is required

- **FQXSPSD2006I: Array in system [ComputerSystemElementName] has been restored.**

This message is for the use case when an implementation has detected that a Failed Array has been Restored.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Hard Disk drive  
SNMP Trap ID: 5  
CIM Prefix: PLAT CIM ID: 0177

User Action:

Information only; no action is required

- **FQXSPSD2007I: Rebuild completed for Array in system [ComputerSystemElementName].**

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

- **FQXSPSE4000I: Certificate Authority [arg1] has detected a [arg2] 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:

Make sure that the certificate that you are importing is correct and properly generated.

- **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:

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.

- **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:

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.

- **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:

Make sure that the correct login ID and password are being used.

- **FQXSPSE4005I: Remote access attempt failed. Invalid userid or password received. Userid is [arg1] from TELNET client at IP address [arg2].**

This message is for the use case where a user has failed to log in to a Management Controller from a telnet session.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0019

User Action:

Make sure that the correct login ID and password are being used.

- **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.

- **FQXSPSE4008I: SNMPv1 [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: 0075

User Action:

Information only; no action is required

- **FQXSPSE4009I: LDAP Server configuration set by user [arg1]: SelectionMethod=[arg2], DomainName=[arg3], Server1=[arg4], Server2=[arg5], Server3=[arg6], Server4=[arg7].**

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]: RootDN=[arg2], UIDSearchAttribute=[arg3], BindingMethod=[arg4], EnhancedRBS=[arg5], TargetName=[arg6], GroupFilter=[arg7], GroupAttribute=[arg8], LoginAttribute=[arg9].**

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].**

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

- **FQXSPSE4012I: Secure CIM/XML(HTTPS) [arg1] by user [arg2].**

A user enables or disables Secure CIM/XML services

Severity: Info  
 Serviceable: No  
 Automatically notify Support: No  
 Alert Category: System - Other  
 SNMP Trap ID: 22  
 CIM Prefix: IMM CIM ID: 0092

User Action:

Information only; no action is required

- **FQXSPSE4013I: Secure LDAP [arg1] by user [arg2].**

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].**

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].**

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]: PasswordRequired=[arg2], PasswordExpirationPeriod=[arg3], MinimumPasswordReuseCycle=[arg4], MinimumPasswordLength=[arg5], MinimumPasswordChangeInterval=[arg6], MaxmumLoginFailures=[arg7], LockoutAfterMaxFailures=[arg8].**

A user changes the Global Login Account Security Settings to Legacy

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

- **FQXSPSE4017I: User [arg1] created.**

A user account was created

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0100

User Action:

Information only; no action is required

- **FQXSPSE4018I: User [arg1] removed.**

A user account was deleted

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0101

User Action:

Information only; no action is required

- **FQXSPSE4019I: User [arg1] password modified.**

A user account was changed

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0102

User Action:

Information only; no action is required

- **FQXSPSE4020I: User [arg1] role set to [arg2].**

A user account role assigned

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0103

User Action:

Information only; no action is required

- **FQXSPSE4021I: User [arg1] custom privileges set: [arg2][arg3][arg4][arg5][arg6][arg7][arg8][arg9].**

User account privileges assigned

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0104

User Action:

Information only; no action is required

- **FQXSPSE4022I: User [arg1] for SNMPv3 set: AuthenticationProtocol=[arg2], PrivacyProtocol=[arg3], AccessType=[arg4], HostforTraps=[arg5] by user [arg6] from [arg7] at IP address [arg8].**

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].**

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].**

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].**

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

- **FQXSPSE4026I: Security: Userid: [arg1] had [arg2] login failures from a CIM 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 CIM.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0140

User Action:

Information only; no action is required

- **FQXSPSE4027I: Remote access attempt failed. Invalid userid or password received. Userid is [arg1] from a CIM client at IP address [arg2].**

This message is for the use case where a remote user has failed to establish a remote control session from CIM.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0141

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

- **FQXSPSE4030I: Security: Userid: [arg1] had [arg2] login failures from IPMI serial client.**

This message is for the use case where a user has failed to log in to a Management Controller from IPMI serial client

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Remote Login  
SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0155

User Action:

Information only; no action is required

- **FQXSPSE4031I: Remote Login Successful. Login ID: [arg1] from [arg2] serial interface.**

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: 0156

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 of 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

- **FQXSPSE4033I: Login ID: [arg1] from [arg2] at IP address [arg3] has been logged off.**

This message is for the use case where a user has been logged off of 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: 0158

User Action:

Information only; no action is required

- **FQXSPSE4034I: User [arg1] has removed a certificate.**

User removed 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

- **FQXSPSE4037I: Crypto mode modified from [arg1] to [arg2] by user [arg3].**

Crypto mode modified

Severity: Info  
Serviceable: No

Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0218

User Action:

Information only; no action is required

- **FQXSPSE4038I: Minimum TLS level modified from [arg1] to [arg2] by user [arg3].**

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.**

Temporary user account create

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0228

User Action:

One user account is created

- **FQXSPSE4040I: Temporary user account [arg1] expires.**

Temporary user account expire

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0229

User Action:

The user account you input is expired

- **FQXSPSE4041I: Security: Userid: [arg1] had [arg2] login failures from a SFTP 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 SFTP.

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

SNMP Trap ID: 30  
CIM Prefix: IMM CIM ID: 0230

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 switch 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 switch 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 manage 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 manage 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][arg4][arg5][arg6][arg7][arg8][arg9][arg10][arg11] by user [arg12] .**

Role create modify and assign

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].**

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].**

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] at IP address [arg4].**

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] at IP address [arg4].**

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] at IP address [arg4].**

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] at IP address [arg3].**

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] at IP address [arg2].**

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] at IP address [arg3].**

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 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 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 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 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][arg3][arg4][arg5][arg6][arg7][arg8][arg9] by user [arg10] from [arg11] at IP address [arg12].**

User account priveleges assigned by 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 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 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 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][arg3][arg4][arg5][arg6] by user [arg7] from [arg8] at IP address [arg9].**

User account accessible interfaces assigned by 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].**

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

- **FQXSPSE4070I: Lockdown mode is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

A user enables or disables Lockdown mode

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0291

User Action:

Information only; no action is required

- **FQXSPSE4071I: Chassis Intrusion detection is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

A user enables or disables Chassis Intrusion detection

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0292

User Action:

Information only; no action is required

- **FQXSPSE4072I: Random SED AK is regenerated by user [arg1] from [arg2] at IP address [arg3].**

A user regenerates a random SED AK

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0294

User Action:

Information only; no action is required

- **FQXSPSE4073I: Motion detection is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

Motion detection is enabled or disabled by user

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0295

User Action:

Information only; no action is required

- **FQXSPSE4074I: Security mode downgrades because the XCC2 Platinum Upgrade key is expired or deleted.**

This message is for the use case where security mode downgrades because XCC2 Platinum 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

- **FQXSPSE4075I: [arg1] by KCS to allow secure boot to be enabled by user [arg2] from [arg3] at IP address [arg4].**

Allow Secure boot to be enabled over KCS

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0310

User Action:

Information only; no action is required

- **FQXSPSE4076I: [arg1] by KCS to allow secure boot to be disabled by user [arg2] from [arg3] at IP address [arg4].**

Allow Secure boot to be disabled over KCS

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0311

User Action:

Information only; no action is required

- **FQXSPSE4077I: Bluetooth button on front panel is [arg1] on server [arg2] by user [arg3] from [arg4] at IP address [arg5].**

Bluetooth button on front panel is enabled/disabled by user

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

SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0314

User Action:

Information only; no action is required

- **FQXSPSE4078I: Bluetooth is [arg1] by pressing bluetooth button on front panel.**

Bluetooth is enabled/disabled by pressing bluetooth button on front panel

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0315

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 [arg4].**

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 unaccessible.**

This message is for the use case where remote key management server is unaccessible.

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 destroyed it.

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

- **FQXSPSE4088I: The chassis care-taker node ID is changed from [arg1] to [arg2].**

This message is for the use case where chassis caretaker node is changed.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0336

User Action:

Information only; no action is required

- **FQXSPSE4089I: The chassis node with node ID [arg1] is inserted.**

This message is for the use case where node is inserted into the chassis.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0337

User Action:

Information only; no action is required

- **FQXSPSE4090I: The chassis node with node ID [arg1] is removed.**

This message is for the use case where node is removed from the chassis.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0338

User Action:

Information only; no action is required

- **FQXSPSS4000I: Management Controller Test Alert Generated by [arg1].**

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].**

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].**

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].**

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].**

Test Call Home generated by 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

- **FQXSPSS4005I: Manual Call Home by user [arg1]: [arg2].**

Manual Call Home by user.

Severity: Info  
Serviceable: No



Automatically notify Support: Yes  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0135

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 Change

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 [arg1] setting has been changed to [arg2] by user [arg3].**

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: 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].**

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

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

- **FQXSPTR4000I: Management Controller [arg1] clock has been set from NTP server [arg2].**

This message is for the use case where a Management Controller clock has been set from the Network Time Protocol server.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0033

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].**

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]:[arg3],NTPServerHost2=[arg4]:[arg5],NTPServerHost3=[arg6]:[arg7], NTPServerHost4=[arg8]:[arg9],NTPUpdateFrequency=[arg10].**

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.**

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: Sensor [SensorElementName] 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: System - Other  
SNMP Trap ID: 22  
CIM Prefix: PLAT CIM ID: 0508

User Action:

Reboot the system. If the problem still exist, press F1 or use LXPM to do XCC FW update.

- **FQXSPUN0009I: Sensor [SensorElementName] 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.

- **FQXSPUN0017I: Sensor [SensorElementName] has transitioned to normal state.**

This message is for the use case when an implementation has detected a Sensor transition to the normal state.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Warning - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0518

User Action:

Information only; no action is required

- **FQXSPUN0018J: Sensor [SensorElementName] has transitioned from normal to non-critical state.**

This message is for the use case when an implementation has detected 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:

Please check event log of xClarity Controller to investigate the identified device for enhancement.

- **FQXSPUN0019M: Sensor [SensorElementName] has transitioned to critical from a less severe state.**

This message is for the use case when an implementation has detected 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. Please check XCC web GUI to see the identified error.
2. Check system event log to fix the error.
3. If the problem still exist, please contact local service.

- **FQXSPUN0020N: Sensor [SensorElementName] has transitioned to non-recoverable from a less severe state.**

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

Severity: Error

Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0524

User Action:

Complete the following steps:

1. Please flash uEFI image to the latest level.
2. If the problem still exist, please remove and re-install CMOS battery for 30 seconds to clear CMOS contents.
3. If the problem still exist, please contact local service.

- **FQXSPUN0023N: Sensor [SensorElementName] has transitioned to non-recoverable.**

This message is for the use case when an implementation has detected a Sensor transitioned to non-recoverable.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0530

User Action:

Complete the following steps:

1. Check the Lenovo support site for an applicable service bulletin or firmware update that applies to this error.
2. Reboot the system.
3. If problem persists, collect Service Data log and Contact Lenovo Support.
4. For 1-2 Processor system:
  - a. Reduce the compute board/system in error to a minimum configuration; 1 CPU + 1 DIMM. Does the problem still occur? Yes/No
  - b. No: Add CPU and/DIMMs one and a time until the error re-occurs. Consider replacing the last CPU or DIMM that was installed that caused the error.
  - c. Yes: If there error/problem still exists, swap in one of the other DIMMs and/or CPUs previously removed in step a. Proceed to add HW one piece at a time to identify the bad CPU or DIMM.
  - d. If the problem still exist, (trained technician only) replace system board.
  - e. If problem persists, escalate to next level of support.
5. For 4-8 Processor system:
  - a. Escalate to a next level of support.

- **FQXSPUN0026G: Device [LogicalDeviceElementName] has been added.**

This message is for the use case when an implementation has detected a Device was inserted.

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

CIM Prefix: PLAT CIM ID: 0536

User Action:

Information only; no action is required

- **FQXSPUN0026I: Device [LogicalDeviceElementName] has been added.**

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:  
CIM Prefix: PLAT CIM ID: 0536

User Action:

Information only; no action is required

- **FQXSPUN0047N: Sensor [SensorElementName] has transitioned to non-recoverable.**

This message is for the use case when an implementation has detected a Sensor transitioned to non-recoverable.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0530

User Action:

Complete the following steps:

1. Check the Lenovo support site for an applicable service bulletin or firmware update that applies to this error.
2. Reboot the system.
3. If problem persists, collect Service Data log and Contact Lenovo Support.
4. For 1-2 Processor system:
  - a. Reduce the compute board/system in error to a minimum configuration; 1 CPU + 1 DIMM. Does the problem still occur? Yes/No
  - b. No: Add CPU and/DIMMs one and a time until the error re-occurs. Consider replacing the last CPU or DIMM that was installed that caused the error.
  - c. Yes: If there error/problem still exists, swap in one of the other DIMMs and/or CPUs previously removed in step a. Proceed to add HW one piece at a time to identify the bad CPU or DIMM.
  - d. If the problem still exist, (trained technician only) replace system board.
  - e. If problem persists, escalate to next level of support.
5. For 4-8 Processor system:
  - a. Escalate to a next level of support.

- **FQXSPUN0056G: Sensor [SensorElementName] 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:

Information only; no action is required

- **FQXSPUN0056I: Sensor [SensorElementName] 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: Warning - Other  
SNMP Trap ID:  
CIM Prefix: PLAT CIM ID: 0509

User Action:

Information only; no action is required

- **FQXSPUN2012I: Sensor [SensorElementName] 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

- **FQXSPUN2018I: Sensor [SensorElementName] 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 - Other  
SNMP Trap ID: 60  
CIM Prefix: PLAT CIM ID: 0521

User Action:

Information only; no action is required

- **FQXSPUN2019I: Sensor [SensorElementName] has transitioned to a less severe state from critical.**

This message is for the use case when an implementation has detected a Sensor transition 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

- **FQXSPUN2020I: Sensor [SensorElementName] 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 transition to non-recoverable from less severe has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0525

User Action:

Information only; no action is required

- **FQXSPUN2023I: Sensor [SensorElementName] has deasserted the transition to non-recoverable.**

This message is for the use case when an implementation has detected that the Sensor transition to non-recoverable has deasserted.

Severity: Info  
Serviceable: No  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0531

User Action:

Information only; no action is required

- **FQXSPUN2030I: Device [LogicalDeviceElementName] has been removed from unit [PhysicalPackageElementName].**

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:  
CIM Prefix: PLAT CIM ID: 0537

User Action:

Information only; no action is required

- **FQXSPUP0007L: Invalid or Unsupported firmware or software was detected on system [ComputerSystemElementName].**



This message is for the use case when an implementation has detected an Invalid/Unsupported Firmware/Software Version.

Severity: Error  
Serviceable: Yes  
Automatically notify Support: No  
Alert Category: Critical - Other  
SNMP Trap ID: 50  
CIM Prefix: PLAT CIM ID: 0446

User Action:

Reflash or update XCC firmware

- **FQXSPUP4000I: Please ensure that the Management Controller [arg1] is flashed with the correct firmware. The Management Controller is unable to match its firmware to the server.**

This message is for the use case where a Management Controller 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: 0031

User Action:

Update the XCC firmware to a version that the server supports. 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.

- **FQXSPUP4001I: Flash of [arg1] from [arg2] succeeded for user [arg3] .**

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: 0035

User Action:

Information only; no action is required

- **FQXSPUP4002I: Flash of [arg1] from [arg2] failed for user [arg3].**

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: 0036

User Action:

Information only; no action is required

- **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:

Reflash the XCC firmware to the latest version.

- **FQXSPUP4004I: XCC firmware mismatch between nodes/servers [arg1] and [arg2]. Please attempt to flash the XCC firmware to the same level on all nodes/servers.**

A mismatch of XCC firmware has been detected between nodes/servers

Severity: Error  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0132

User Action:

Attempt to flash the XCC firmware to the same level on all nodes.

- **FQXSPUP4005I: FPGA firmware mismatch between nodes/servers [arg1] and [arg2]. Please attempt to flash the FPGA firmware to the same level on all nodes/servers.**

A mismatch of FPGA firmware has been detected between nodes/servers

Severity: Error  
Serviceable: No  
Automatically notify Support: No  
Alert Category: System - Other  
SNMP Trap ID: 22  
CIM Prefix: IMM CIM ID: 0133

User Action:

Attempt to flash the FPGA firmware to the same level on all nodes.

- **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:

Information only; no action is required

- **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:

Information only; no action is required

- **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:

Information only; no action is required

- **FQXSPUP4010I: Flash [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: Flash [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 [WatchdogElementName].**

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 [ComputerSystemElementName] initiated by watchdog [WatchdogElementName].**

This message is for the use case when an implementation has detected a Reboot by a 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 [ComputerSystemElementName] initiated by watchdog [WatchdogElementName].**

This message is for the use case when an implementation has detected a Poweroff 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 [ComputerSystemElementName] initiated by watchdog [WatchdogElementName].**

This message is for the use case when an implementation has detected 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 [WatchdogElementName].**

This message is for the use case when an implementation has detected 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      |
|--------------|---|---------------|
| FQXSFDD0012I | SATA Hard Drive Error: [arg1] was recovered.  | Informational |
| FQXSFIO0015I | IFM: System reset performed to reset adapters.  | Informational |
| FQXSFIO0018I | IFM: Configuration too large for compatibility mode.                                    | Informational |
| FQXSFIO0020J | PCIe Isolation has occurred in PCIe slot [arg1]. The adapter may not operate correctly. | Informational |
| FQXSFMA0001I | DIMM [arg1] Disable has been recovered. [arg2]  | Informational |
| FQXSFMA0002I | The uncorrectable memory error state has been cleared.                                  | 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. [arg1]  | Informational |
| FQXSFMA0010I | Invalid memory configuration for Sparing Mode has been recovered. [arg1]   | Informational |
| FQXSFMA0011I | Memory population change detected. [arg1]  | Informational |
| FQXSFMA0012I | The PFA of DIMM [arg1] has been deasserted.  | Informational |
| FQXSFMA0013I | Mirror Fail-over complete. DIMM [arg1] has failed over to to the mirrored copy. [arg2]   | Informational |
| FQXSFMA0014I | Memory spare copy initiated. [arg1]  | Informational |
| FQXSFMA0015I | Memory spare copy has completed successfully. [arg1]   | Informational |
| FQXSFMA0026I | DIMM [arg1] Self-healing, attempt post package repair (PPR) succeeded at Rank [arg2] Sub Rank [arg3] Bank [arg4] Row [arg5] on Device [arg6]. [arg7] | Informational |
| FQXSFMA0029I | The PFA of DIMM [arg1] has been deasserted after applying PPR for this DIMM. [arg2]  | Informational |
| FQXSFMA0030I | A correctable memory error has been detected on DIMM [arg1]. [arg2]  | Informational |
| FQXSFMA0052I | DIMM [arg1] has been disabled due to the error on DIMM [arg2].[arg3]   | Informational |
| FQXSFMA0065I | Multi-bit CE of DIMM [arg1] has been deasserted after performing post package repair. DIMM identifier is [arg2].                                     | Informational |
| FQXSFPU0020I | The UEFI firmware image capsule signature is invalid.  | Informational |
| FQXSFPU0021I | The TPM physical presence state has been cleared.  | Informational |
| FQXSFPU0023I | Secure Boot Image Verification Failure has been cleared as no failure in this round boot.  | Informational |
| FQXSFPU0025I | The default system settings have been restored.  | Informational |
| FQXSFPU4034I | TPM Firmware recovery is finished, rebooting system to take effect.  | Informational |
| FQXSFPU4038I | TPM Firmware recovery successful.  | Informational |
| FQXSFPU4041I | TPM Firmware update is in progress. Please DO NOT power off or reset system.   | Informational |
| FQXSFPU4042I | TPM Firmware update is finished, rebooting system to take effect.  | Informational |
| FQXSFPU4044I | The current TPM firmware version could not support TPM version toggling.   | Informational |
| FQXSFPU4046I | TPM Firmware will be updated from TPM1.2 to TPM2.0.  | Informational |
| FQXSFPU4047I | TPM Firmware will be updated from TPM2.0 to TPM1.2.  | Informational |
| FQXSFPU4048I | TPM 2.0 firmware will be updated to version 1.3.2.20.  | Informational |
| FQXSFPU4049I | TPM Firmware update successful.  | Informational |
| FQXSFPU4080I | Host Power-On password has been changed.   | Informational |



Table 3. Events organized by severity (continued)

| Event ID     | Message String  | Severity      |
|--------------|---|---------------|
| FQXSFP40811  | Host Power-On password has been cleared.  | Informational |
| FQXSFP40821  | Host Admin password has been changed.   | Informational |
| FQXSFP40831  | Host Admin password has been cleared.   | Informational |
| FQXSFP40841  | Host boot order has been changed.   | Informational |
| FQXSFP40851  | Host WOL boot order has been changed.   | Informational |
| FQXSFSM00071 | The XCC System Event log (SEL) is full.   | Informational |
| FQXSFSR00021 | [arg1] GPT corruption recovered, DiskGUID: [arg2]   | Informational |
| FQXSFD0001G  | DRIVER HEALTH PROTOCOL: Missing Configuration. Requires Change Settings From F1.  | Warning       |
| FQXSFD0002M  | DRIVER HEALTH PROTOCOL: Reports 'Failed' Status Controller.   | Warning       |
| FQXSFD0003I  | DRIVER HEALTH PROTOCOL: Reports 'Reboot' Required Controller.   | Warning       |
| FQXSFD0005M  | DRIVER HEALTH PROTOCOL: Disconnect Controller Failed. Requires 'Reboot'.  | Warning       |
| FQXSFD0006M  | DRIVER HEALTH PROTOCOL: Reports Invalid Health Status Driver.   | Warning       |
| FQXSFD0007G  | Security Key Lifecycle Manager (SKLM) IPMI Error.   | Warning       |
| FQXSFI0008M  | 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       |
| FQXSFI0009M  | 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       |
| FQXSFI0013I  | The device found at Bus [arg1] Device [arg2] Function [arg3] could not be configured due to resource constraints. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The physical slot number is [arg6]. | Warning       |
| FQXSFI0016M  | IFM: Reset loop avoided - Multiple resets not allowed.  | Warning       |
| FQXSFI0021J  | PCIe Error Recovery has occurred in physical [arg1] number [arg2]. The [arg3] may not operate correctly.  | Warning       |
| FQXSFI0022J  | PCIe Link Width has degraded from [arg1] to [arg2] in physical [arg3] number [arg4].  | Warning       |
| FQXSFI0023J  | PCIe Link Speed has degraded from [arg1] to [arg2] in physical [arg3] number [arg4].  | Warning       |
| FQXSFMA0012L | The [arg1] PFA Threshold limit has been exceeded on DIMM [arg2] at address [arg3]. [arg4]   | Warning       |
| FQXSFMA0016M | Memory spare copy failed. [arg1]  | Warning       |
| FQXSFMA0026G | Multi-bit CE occurred on DIMM [arg1], need to restart the system for DIMM Self-healing to attempt post package repair (PPR).  | Warning       |
| FQXSFMA0027M | DIMM [arg1] Self-healing, attempt post package repair (PPR) failed at Rank [arg2] Sub Rank [arg3] Bank [arg4] Row [arg5] on Device [arg6]. [arg7]   | Warning       |

Table 3. Events organized by severity (continued)

| Event ID     | Message String  | Severity |
|--------------|---|----------|
| FQXSFMA0028M | DIMM [arg1] Self-healing, attempt post package repair (PPR) exceeded DIMM level threshold [arg2] at Rank [arg3] Sub Rank [arg4] Bank [arg5] Row [arg6] on Device [arg7]. [arg8] | Warning  |
| FQXSFMA0030K | Intel Optane DCPMM [arg1] Percentage Remaining is less than [arg2]% and still functioning.  | Warning  |
| FQXSFMA0031K | Intel Optane DCPMM [arg1] has reached 1% remaining spares block and still functioning.  | Warning  |
| FQXSFMA0033M | Intel Optane DCPMM persistent memory interleave set has [arg1] DCPMMs(DIMM [arg2]), [arg3] DIMMs' location is not correct.  | Warning  |
| FQXSFMA0034M | DIMM [arg1] (UID: [arg2]) of Intel Optane DCPMM persistent memory interleave set should be moved to DIMM slot [arg3] in sequence.   | Warning  |
| FQXSFMA0035M | Intel Optane DCPMM interleave set should have [arg1] DCPMMs, but [arg2] DCPMMs are missing.   | Warning  |
| FQXSFMA0036M | DIMM [arg1] (UID: [arg2]) of Intel Optane DCPMM persistent memory interleave set is missing.  | Warning  |
| FQXSFMA0037G | Intel Optane DCPMM interleave set (DIMM [arg1]) is migrated from another system (Platform ID: [arg2]), these migrated DCPMMs are not supported nor warranted in this system.    | Warning  |
| FQXSFMA0038K | All Intel Optane DCPMMs could not be auto unlocked because of no passphrase.  | Warning  |
| FQXSFMA0039K | One or more Intel Optane DCPMMs could not be auto unlocked because of invalid passphrase.   | Warning  |
| FQXSFMA0040K | Invalid Intel Optane DCPMM configuration detected. Please verify DCPMM configuration is valid.  | Warning  |
| FQXSFMA0041K | Near Memory/Far Memory ratio (1:[arg1].[arg2]) for Intel Optane DCPMM configuration is not in recommended range (1:2 - 1:16).   | Warning  |
| FQXSFMA0047M | SPD CRC checking failed on DIMM [arg1]. [arg2]  | Warning  |
| FQXSFMA0076M | DIMM [arg1] is not supported, DIMM identifier is [arg2].  | Warning  |
| FQXSFPU0021G | Hardware physical presence is in asserted state.  | Warning  |
| FQXSFPU0022G | The TPM configuration is not locked.  | Warning  |
| FQXSFPU0023G | Secure Boot Image Verification Failure Warning.   | Warning  |
| FQXSFPU0024G | Intel UEFI ACM startup failed, make sure TPM is enabled.  | Warning  |
| FQXSFPU0033G | Processor has been disabled.  | Warning  |
| FQXSFPU0062F | 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  |
| FQXSFPU4033F | TPM Firmware recovery is in progress. Please DO NOT power off or reset system.  | Warning  |
| FQXSFPU4035M | TPM Firmware recovery failed. TPM chip may be damaged.  | Warning  |
| FQXSFPU4040M | TPM selftest has failed.  | Warning  |
| FQXSFPU4043G | TPM Firmware update aborted. System is rebooting...   | Warning  |

Table 3. Events organized by severity (continued)

| Event ID     | Message String  | Severity |
|--------------|---|----------|
| FQXSFPU4045G | Physical Presence is not asserted, abort TPM Firmware upgrade.  | Warning  |
| FQXSFPU4050G | Failed to update TPM Firmware.  | Warning  |
| FQXSFPU4051G | Undefined TPM_TCM_POLICY found  | Warning  |
| FQXSFPU4052G | TPM_TCM_POLICY is not locked  | Warning  |
| FQXSFPU4053G | System TPM_TCM_POLICY does not match the planar.  | Warning  |
| FQXSFPU4054G | TPM/TCM card logical binding has failed.  | Warning  |
| FQXSFPW0001L | CMOS has been cleared.  | Warning  |
| FQXSFSM0002N | Boot Permission denied by Management Module: System Halted.   | Warning  |
| FQXSFSM0003N | Timed Out waiting on boot permission from Management Module: System Halted.   | Warning  |
| FQXSFSM0004M | An XCC communication failure has occurred.  | 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  |
| FQXSFD0004M  | DRIVER HEALTH PROTOCOL: Reports 'System Shutdown' Required Controller.  | Error    |
| FQXSFD0012K  | SATA Hard Drive Error: [arg1].  | Error    |
| 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    |
| FQXSFIO0007M | An error has been detected by the IIO on Bus [arg1]. The value of Global Fatal Error Status register is [arg2]. The value of Global Non-Fatal Error Status register is [arg3]. Please check error logs for additional downstream device error data. | Error    |
| FQXSFIO0010M | An Uncorrectable PCIe Error has Occurred at Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The physical [arg6] number is [arg7].   | Error    |
| FQXSFIO0011M | A PCIe parity error has occurred on Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The Physical slot number is [arg6].   | Error    |
| FQXSFIO0012M | A PCIe system error has occurred on Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The Physical slot number is [arg6].   | Error    |
| FQXSFIO0014J | A bad option ROM checksum was detected for the device found at Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The physical slot number is [arg6].                                    | Error    |
| FQXSFIO0017M | IFM: Error communicating with the XCC - IFM may not be deployed correctly.  | Error    |
| FQXSFIO0019J | PCIe Resource Conflict [arg1].  | Error    |

Table 3. Events organized by severity (continued)

| Event ID     | Message String  | Severity |
|--------------|---|----------|
| FQXSFMA0001M | DIMM [arg1] has been disabled due to an error detected during POST. [arg2]  | Error    |
| FQXSFMA0002M | An uncorrectable memory error has been detected on DIMM [arg1] at address [arg2]. [arg3]                                      | Error    |
| FQXSFMA0003K | A memory mismatch has been detected. Please verify that the memory configuration is valid. [arg1]                             | Error    |
| FQXSFMA0004N | No system memory has been detected. [arg1]  | Error    |
| FQXSFMA0005N | Memory is present within the system but could not be configured. Please verify that the memory configuration is valid. [arg1] | Error    |
| FQXSFMA0008M | DIMM [arg1] has failed the POST memory test. [arg2]   | Error    |
| FQXSFMA0009K | Invalid memory configuration for Mirror Mode. Please correct memory configuration. [arg1]                                     | Error    |
| FQXSFMA0010K | Invalid memory configuration for Sparing Mode. Please correct memory configuration. [arg1]                                    | Error    |
| FQXSFMA0023M | Error has occurred in NVDIMM flash. NVDIMM backup/restore may not operate correctly. [arg1]                                   | Error    |
| FQXSFMA0024M | Error has occurred in NVDIMM Supercap. NVDIMM backup/restore may not operate correctly. [arg1]                                | Error    |
| FQXSFMA0025M | NVDIMM Supercap has been disconnected. NVDIMM will lose its backup ability until this is corrected. [arg1]                    | Error    |
| FQXSFMA0027K | Invalid memory configuration (Unsupported DIMM Population) detected. Please verify memory configuration is valid.             | Error    |
| FQXSFMA0028K | Memory Capacity exceeds CPU limit. [arg1]   | Error    |
| FQXSFMA0032M | Intel Optane DCPMM [arg1] has no remaining spares block.  | Error    |
| FQXSFMA0042K | Intel Optane DCPMM is not supported by processor of this system.  | Error    |
| FQXSFPU0001N | An unsupported processor has been detected.   | Error    |
| FQXSFPU0002N | An invalid processor type has been detected.  | Error    |
| FQXSFPU0003K | A processor mismatch has been detected between one or more processors in the system.  | Error    |
| FQXSFPU0004K | A discrepancy has been detected in the number of cores reported by one or more processors within the system.                  | Error    |
| FQXSFPU0005K | A mismatch between the maximum allowed UPI link speed has been detected for one or more processors.                           | Error    |
| FQXSFPU0006K | A power segment mismatch has been detected for one or more processors.  | Error    |
| FQXSFPU0007K | Processors have mismatched Internal DDR Frequency   | Error    |
| FQXSFPU0008K | A core speed mismatch has been detected for one or more processors.   | Error    |
| FQXSFPU0009K | An external clock frequency mismatch has been detected for one or more processors.  | Error    |

Table 3. Events organized by severity (continued)

| Event ID     | Message String   | Severity |
|--------------|--|----------|
| FQXSFP0010K  | A cache size mismatch has been detected for one or more processors.  | Error    |
| FQXSFP0011K  | A cache type mismatch has been detected for one or more processors.  | Error    |
| FQXSFP0012K  | A cache associativity mismatch has been detected for one or more processors.   | Error    |
| FQXSFP0013K  | A processor model mismatch has been detected for one or more processors.   | Error    |
| FQXSFP0014N  | A processor family mismatch has been detected for one or more processors.  | Error    |
| FQXSFP0015K  | A processor stepping mismatch has been detected for one or more processors.  | Error    |
| FQXSFP0016N  | A processor within the system has failed the BIST.   | Error    |
| FQXSFP0017G  | A processor microcode update failed.   | 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    |
| FQXSFP0034L  | The TPM could not be initialized properly.   | Error    |
| FQXSFP04056M | TPM/TCM card is changed, need install back the original TCM/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.

- **FQXSFDD0001G: DRIVER HEALTH PROTOCOL: Missing Configuration. Requires Change Settings From F1.**

Severity: Warning

User Action:

Complete the following steps:

1. Go to F1 Setup > System Settings > Settings > Driver Health Status List and find a driver/controller reporting Configuration Required status.
2. Search for the driver menu from System Settings and change settings appropriately.

3. Save settings and restart the system.
  4. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFDD0002M: DRIVER HEALTH PROTOCOL: Reports 'Failed' Status Controller.**  
Severity: Warning  
User Action:  
Complete the following steps:
    1. Reboot the system.
    2. Reflash the adapter firmware.
    3. If the problem persists, collect Service Data logs and contact Lenovo Support.
  - **FQXSFDD0003I: DRIVER HEALTH PROTOCOL: Reports 'Reboot' Required Controller.**  
Severity: Warning  
User Action:  
Complete the following steps:
    1. No action required - system will reboot at the end of POST.
    2. Reflash the adapter firmware.
    3. If the problem persists, collect Service Data logs and contact Lenovo Support.
  - **FQXSFDD0004M: DRIVER HEALTH PROTOCOL: Reports 'System Shutdown' Required Controller.**  
Severity: Fatal  
User Action:  
Complete the following steps:
    1. Reboot the system.
    2. Reflash the adapter firmware.
    3. If the problem persists, collect Service Data logs and contact Lenovo Support.
  - **FQXSFDD0005M: DRIVER HEALTH PROTOCOL: Disconnect Controller Failed. Requires 'Reboot'.**  
Severity: Warning  
User Action:  
Complete the following steps:
    1. Reboot the system to reconnect the controller.
    2. Reflash the adapter firmware.
    3. If the problem persists, collect Service Data logs and contact Lenovo Support.
  - **FQXSFDD0006M: DRIVER HEALTH PROTOCOL: Reports Invalid Health Status Driver.**  
Severity: Warning  
User Action:  
Complete the following steps:
    1. Reboot the system.
    2. Reflash the adapter firmware.
    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.

- **FQXSFDD0007G: Security Key Lifecycle Manager (SKLM) IPMI Error.**

Severity: Warning

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. A/C cycle the system.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFDD0012I: SATA Hard Drive Error: [arg1] was recovered.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFDD0012K: SATA Hard Drive Error: [arg1].**

Severity: Error

User Action:

Complete the following steps:

1. Power down the server.
2. Re-insert SATA Drive to ensure it is fully connected to the backplane.
3. If the problem 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].**

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. 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.

- **FQXSFIO0006M: An inter-board UPI failure has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].**

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. 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.

- **FQXSFI0007M: An error has been detected by the IIO on Bus [arg1]. The value of Global Fatal Error Status register is [arg2]. The value of Global Non-Fatal Error Status register is [arg3]. Please check error logs for additional downstream device error data.**

Severity: 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.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFI0008M: An intra-board UPI dynamic link width reduction has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].**

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.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFI0009M: An inter-board UPI dynamic link width reduction has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].**

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.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFI0010M: An Uncorrectable PCIe Error has Occurred at Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The physical [arg6] number is [arg7].**

Severity: Error

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, 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.
- **FQXSFI00011M: A PCIe parity error has occurred on Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The Physical slot number is [arg6].**

Severity: Error

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 node and/or any attached cables were recently installed, moved, serviced or upgraded.
    - a. Reseat Adapter 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 before proceeding.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFI00012M: A PCIe system error has occurred on Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The Physical slot number is [arg6].**

Severity: Error

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 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 before proceeding.
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.

- **FQXSFI0013I: The device found at Bus [arg1] Device [arg2] Function [arg3] could not be configured due to resource constraints. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The physical slot number is [arg6].**

Severity: Warning

User Action:

Complete the following steps:

1. If this PCIe device and/or any attached cables were recently installed, moved, serviced or upgraded, reseal adapter and any attached cables.
2. Check Lenovo Support site for any applicable service bulletin or UEFI or adapter firmware update that applies to this error.(NOTE: It may be necessary to disable unused option ROMs from UEFI F1 setup, OneCLI utility, or using adapter manufacturer utilities so that adapter firmware can be updated.)
3. Move the adapter to a different slot. If a slot is not available or error recurs, replace the adapter.
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.

- **FQXSFI0014J: A bad option ROM checksum was detected for the device found at Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The physical slot number is [arg6].**

Severity: Error

User Action:

Complete the following steps:

1. If this PCIe device and/or any attached cables were recently installed, moved, serviced or upgraded. Reseat adapter and any attached cables.
2. Move adapter to a different system slot, if available.
3. Check Lenovo Support site for any applicable service bulletin or UEFI or adapter firmware update that applies to this error.

**Note:** It may be necessary to configure slot to Gen1 or to use special utility software so that adapter firmware can be upgraded. 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.

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.

- **FQXSFI0015I: IFM: System reset performed to reset adapters.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFI0016M: IFM: Reset loop avoided - Multiple resets not allowed.**

Severity: Warning

User Action:

Complete the following steps:

1. Update all firmware (including adapter firmware) to the latest levels.
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFIO0017M: IFM: Error communicating with the XCC - IFM may not be deployed correctly.**

Severity: Error

User Action:

Complete the following steps:

1. Update all system firmware (including adapter firmware) to the latest levels.

**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.

2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFIO0018I: IFM: Configuration too large for compatibility mode.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFIO0019J: PCIe Resource Conflict [arg1].**

Severity: Error

User Action:

Complete the following steps:

1. If this PCIe device and/or any attached cables were recently installed, moved, serviced or upgraded, reseat the adapter and any attached cables.
2. Move the adapter to a different system slot, if available.
3. Check Lenovo Support site for any applicable service bulletin or UEFI or adapter firmware update that applies to this error.

**Note:** It may be necessary to configure slot to Gen1 or to use special utility software so that adapter firmware can be upgraded. 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.

4. If the problem persists, collect Service Data logs.

**Note:** The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up TPM Encryption Recovery Key.

- **FQXSFIO0020J: PCIe Isolation has occurred in PCIe slot [arg1]. The adapter may not operate correctly.**

Severity: Info

User Action:

Complete the following steps:

1. Check the log for a separate error related to an associated PCIe device 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 the PCIe that the PCIe device is installed in the compatible PCIe slot 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.

- **FQXSFIO0021J: PCIe Error Recovery has occurred in physical [arg1] number [arg2]. The [arg3] may not operate correctly.**

Severity: Warning

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].**

Severity: Warning

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].**

Severity: Warning

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.

- **FQXSFMA0001I: DIMM [arg1] Disable has been recovered. [arg2]**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFMA0001M: DIMM [arg1] has been disabled due to an error detected during POST. [arg2]**

Severity: Error

User Action:

Complete the following steps:

1. 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.)
2. Boot to F1 setup and enable the DIMM (For AMD, do not need to enable DIMM in Setup). Reboot the system.
3. Update UEFI firmware to the latest version.
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.

- **FQXSFMA0002I: The uncorrectable memory error state has been cleared.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFMA0002M: An uncorrectable memory error has been detected on DIMM [arg1] at address [arg2]. [arg3]**

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 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.

- **FQXSFMA0003K: A memory mismatch has been detected. Please verify that the memory configuration is valid. [arg1]**

Severity: Error

User Action:

Complete the following steps:

1. Boot to uEFI F1 screen and check if any memory DIMM is disabled. Memory could be disabled due to previous uncorrectable Errors or uEFI memory test/training errors.
2. Verify that the DIMMs are installed in the correct population sequence.
3. Update UEFI firmware to the latest version.
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. [arg1]**

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, reseal 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.

- **FQXSFMA0005N: Memory is present within the system but could not be configured. Please verify that the memory configuration is valid. [arg1]**

Severity: Error

User Action:

Complete the following steps:

1. Ensure one or more DIMMs are installed in the server.
2. Resolve existing memory errors if they are present.
3. If no memory fault is recorded in the logs and no DIMM connector error LEDs are lit, verify that all DIMM connectors are enabled using the Setup utility or the OneCLI utility.
4. Reseat all DIMMs ensuring that DIMMs are installed in the correct population sequence, according to the service information for this product.
5. Clear CMOS memory. Note that all firmware settings will revert to the defaults.
6. Reflash UEFI firmware.
7. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0006I: [arg1] DIMM [arg2] has been detected, the DIMM serial number is [arg3].**

Severity: Info

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]**

Severity: Info

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]**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFMA0008M: DIMM [arg1] has failed the POST memory test. [arg2]**

Severity: Error

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. [arg1]**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFMA0009K: Invalid memory configuration for Mirror Mode. Please correct memory configuration. [arg1]**

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.

- **FQXSFMA0010I: Invalid memory configuration for Sparing Mode has been recovered. [arg1]**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFMA0010K: Invalid memory configuration for Sparing Mode. Please correct memory configuration. [arg1]**

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 sparing mode, according to the service information for this product.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0011I: Memory population change detected. [arg1]**

Severity: Info

User Action:

Complete the following steps:

1. If you have added or removed DIMMs to the system, and no additional errors were detected, then ignore this message.
2. Check system event log for uncorrected DIMM failures and replace those DIMMs.

- **FQXSFMA0012I: The PFA of DIMM [arg1] has been deasserted.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFMA0012L: The [arg1] PFA Threshold limit has been exceeded on DIMM [arg2] at address [arg3]. [arg4]**

Severity: Warning

User Action:

Complete the following steps:



1. Reseat affected DIMM.
2. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this memory error.
3. Swap the DIMM to another known good location.
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.

- **FQXSFMA0013I: Mirror Fail-over complete. DIMM [arg1] has failed over to to the mirrored copy. [arg2]**

Severity: Info

User Action:

Check the system-event log for uncorrected DIMM failures and replace those DIMMs.

- **FQXSFMA0014I: Memory spare copy initiated. [arg1]**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFMA0015I: Memory spare copy has completed successfully. [arg1]**

Severity: Info

User Action:

Check system log for related DIMM failures and replace those DIMMs.

- **FQXSFMA0016M: Memory spare copy failed. [arg1]**

Severity: Warning

User Action:

Complete the following steps:

1. Boot to uEFI F1 screen and make sure that all DIMMs are enabled. Reboot the system.
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.

- **FQXSFMA0023M: Error has occurred in NVDIMM flash. NVDIMM backup/restore may not operate correctly. [arg1]**

Severity: Error

User Action:

Complete the following steps:

1. Reseat the affected NDIMM, and the DIMM in the adjacent slots if populated.
2. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this memory error.
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.

- **FQXSFMA0024M: Error has occurred in NVDIMM Supercap. NVDIMM backup/restore may not operate correctly. [arg1]**

Severity: Error

User Action:

Complete the following steps:

1. If the server has recently been installed, moved, serviced, or upgraded, verify that the DIMM is properly seated and visually verify that there is no foreign material in any DIMM connector on that memory channel.
2. If no problem is observed on the BBU connectors or the problem persists, Check the Lenovo Support site for an applicable service bulletin or firmware update that applies to this memory error.
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.

- **FQXSFMA0025M: NVDIMM Supercap has been disconnected. NVDIMM will lose its backup ability until this is corrected. [arg1]**

Severity: Error

User Action:

Complete the following steps:

1. If the server has recently been installed, moved, serviced, or upgraded, verify that the DIMM is properly seated and visually verify that there is no foreign material in any BBU connector on that memory channel.
2. If no problem is observed on the BBU connectors or the problem persists, Check the Lenovo Support site for an applicable service bulletin or firmware update that applies to this memory error.
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.

- **FQXSFMA0026G: Multi-bit CE occurred on DIMM [arg1], need to restart the system for DIMM Self-healing to attempt post package repair (PPR).**

Severity: Warning

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 at Rank [arg2] Sub Rank [arg3] Bank [arg4] Row [arg5] on Device [arg6]. [arg7]**

Severity: Info

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.

- **FQXSFMA0027K: Invalid memory configuration (Unsupported DIMM Population) detected. Please verify memory configuration is valid.**

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 at Rank [arg2] Sub Rank [arg3] Bank [arg4] Row [arg5] on Device [arg6]. [arg7]**

Severity: Warning

User Action:

Complete the following steps:

1. 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.)
2. Boot to F1 setup and enable the DIMM. Reboot the system.
3. Update UEFI firmware to the latest version.
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.

- **FQXSFMA0028K: Memory Capacity exceeds CPU limit. [arg1]**

Severity: Error

User Action:

Complete the following steps:

1. Remove AC power from the system.
2. Modify memory configuration to ensure the memory capacity does not exceed the processor part number limit.
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.

- **FQXSFMA0028M: DIMM [arg1] Self-healing, attempt post package repair (PPR) exceeded DIMM level threshold [arg2] at Rank [arg3] Sub Rank [arg4] Bank [arg5] Row [arg6] on Device [arg7]. [arg8]**

Severity: Warning

User Action:

Complete the following steps:

1. 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.)
2. Boot to F1 setup and re-enable the DIMM. Reboot the system.
3. Update UEFI firmware to the latest version.
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.

- **FQXSFMA0029I: The PFA of DIMM [arg1] has been deasserted after applying PPR for this DIMM. [arg2]**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFMA0030I: A correctable memory error has been detected on DIMM [arg1]. [arg2]**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFMA0030K: Intel Optane DCPMM [arg1] Percentage Remaining is less than [arg2]% and still functioning.**

Severity: Warning

User Action:

Complete the following steps:

1. Check the current Intel Optane DCPMM DIMM health status in one of the following ways:
  - a. Run DCPMM test under LXPM diagnostic. Look for “Percentage Remaining” of spare blocks.
  - b. Check for “Remaining Life” of spare blocks on the XCC Web GUI.
2. Back up data.

- **FQXSFMA0031K: Intel Optane DCPMM [arg1] has reached 1% remaining spares block and still functioning.**

Severity: Warning

User Action:

Complete the following steps:

1. Check the current Intel Optane DCPMM DIMM health status in one of the following ways:
  - a. Run DCPMM test under LXPM diagnostic. Look for “Percentage Remaining” of spare blocks.

- b. Check for “Remaining Life” of spare blocks on the XCC Web GUI.
- 2. Back up data.
- 3. Check if the DCPMM meets warranty terms.
  - a. If the DCPMM meets the warranty terms, contact Lenovo Support for DCPMM replacement.
  - b. If the DCPMM does not meet the warranty terms, order a new comparable DCPMM through an authorized Lenovo reseller.
- 4. Collect Service log and contact Lenovo support to schedule DCPMM replacement.(Note: Unless otherwise specified in other agreements or contract terms, parts beyond their warranty terms and/or parts that have reached their maximum usage limitations do not qualify for warranty service.)

- **FQXSFMA0032M: Intel Optane DCPMM [arg1] has no remaining spares block.**

Severity: Error

User Action:

Complete the following steps:

- 1. Back up data.
- 2. Check the current Intel Optane DCPMM DIMM health status in one of the following ways:
  - a. Run DCPMM test under LXPM diagnostic. Look for “Percentage Remaining” of spare blocks.
  - b. Check for “Remaining Life” of spare blocks on the XCC Web GUI.
- 3. Check if the DCPMM meets warranty terms.
  - a. If the DCPMM meets the warranty terms, contact Lenovo Support for DCPMM replacement.
  - b. If the DCPMM does not meet the warranty terms, order a new comparable DCPMM through an authorized Lenovo reseller.
- 4. Collect Service log and contact Lenovo support to schedule DCPMM replacement.(Note: Unless otherwise specified in other agreements or contract terms, parts beyond their warranty terms and/or parts that have reached their maximum usage limitations do not qualify for warranty service.)

- **FQXSFMA0033M: Intel Optane DCPMM persistent memory interleave set has [arg1] DCPMMs (DIMM [arg2]), [arg3] DIMMs' location is not correct.**

Severity: Warning

User Action:

Complete the following steps:

- 1. Collect XCC Service Data.
- 2. Power off system.
- 3. The following error message FQXSFMA0034M logs will provide the correct location for DCPMMs.
- 4. Move all DCPMMs of error message FQXSFMA0034M logs to the correct location.
- 5. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0034M: DIMM [arg1] (UID: [arg2]) of Intel Optane DCPMM persistent memory interleave set should be moved to DIMM slot [arg3] in sequence.**

Severity: Warning

User Action:

Complete the following steps:

- 1. Collect XCC Service Data.
- 2. Power off system.

3. Details included in this error message will provide the correct location for that DCPMM.
4. Move the DCPMM to the correct location.
5. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0035M: Intel Optane DCPMM interleave set should have [arg1] DCPMMs, but [arg2] DCPMMs are missing.**

Severity: Warning

User Action:

Complete the following steps:

1. Collect XCC Service Data.
2. Power off system.
3. The following error message FQXSFMA0036M logs will provide the details which DCPMMs are missing.
4. Find all missing DCPMMs of error message FQXSFMA0036M logs and install them in the correct location.
5. If an error occurs, follow steps 1 and 4 to get details on new error message.
6. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0036M: DIMM [arg1] (UID: [arg2]) of Intel Optane DCPMM persistent memory interleave set is missing.**

Severity: Warning

User Action:

Complete the following steps:

1. Collect XCC Service Data.
2. Power off system.
3. This error message will provide the UID of the missing DCPMM,
4. Use Lenovo Service Client or contact Lenovo Support to parse log to get correct location for DCPMM Find the missing DCPMM and install it in the correct location.
5. If an error occurs, follow steps 1 and 4 to get details on new error message.
6. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0037G: Intel Optane DCPMM interleave set (DIMM [arg1]) is migrated from another system (Platform ID: [arg2]), these migrated DCPMMs are not supported nor warranted in this system.**

Severity: Warning

User Action:

Complete the following steps:

1. Check the system specification.
2. Move the DCPMM back to the original machine or same machine type platform, or backup the persistent region data and delete namespace, disable security, security erase, follow DCPMM guide to create new goal if the target installed system support DCPMM.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0038K: All Intel Optane DCPMMs could not be auto unlocked because of no passphrase.**

Severity: Warning

User Action:

Complete the following steps:

1. Provision the passphrase for Intel Optane DCPMM auto unlock or unlock DCPMMs in OS with Intel DCPMM tools.
2. Methods to provision the passphrase:
  - a. -Option 1. enable security on all Intel Optane DCPMMs found through System Setup with Scope of "Platform" under the (System Settings > Intel Optane DCPMMs > Security).
  - b. -Option 2. enable security on all Intel Optane DCPMMs found through OneCLI command (OneCLI.exe config set IntelOptaneDCPMM.SecurityOperation "Enable Security") and (OneCLI.exe config set IntelOptaneDCPMM.SecurityPassphrase "the user passphrase").

**Note:** If the security state is mixed, then disable security for those DCPMMs in System Setup by selecting the scope of "Single DCPMM" under the (System Settings > Intel Optane DCPMMs > Security) firstly before take the action to provision the passphrase. If DCPMMs are not unlocked, system will not see or access the persistent region of DCPMMs.

- **FQXSFMA0039K: One or more Intel Optane DCPMMs could not be auto unlocked because of invalid passphrase.**

Severity: Warning

User Action:

Complete the following steps:

1. Use OneCLI to check which DCPMM is failed for unlock. Using different passphrases could caused auto unlock failure.
2. Use UEFI setup page or Intel DCPMM OS tool to unlock the related DCPMM with right passphrase.
3. in order to avoid this auto unlock failure in next boot, change the passphrase of these DCPMMs in System Setup utility with the scope of "Single DCPMM" under the (System Settings > Intel Optane DCPMMs > Security).

**Note:** If DCPMMs are not unlocked, system will not see or access the persistent region of DCPMMs.

4. If the issue is not resolved then contact Lenovo Support.

- **FQXSFMA0040K: Invalid Intel Optane DCPMM configuration detected. Please verify DCPMM configuration is valid.**

Severity: Warning

User Action:

Complete the following steps:

1. Check system spec and follow the rules for populating DCPMM in correct order.
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0041K: Near Memory/Far Memory ratio (1:[arg1].[arg2]) for Intel Optane DCPMM configuration is not in recommended range (1:2 - 1:16).**

Severity: Warning

User Action:

Complete the following steps:

1. Validate system's memory configuration by using the memory configuration tool below: [https://dcsc.lenovo.com/#/memory\\_configuration](https://dcsc.lenovo.com/#/memory_configuration).

2. Resolve DIMM configuration so that the DCPMM ratio meets firmware requirements, then reboot the system.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0042K: Intel Optane DCPMM is not supported by processor of this system.**

Severity: Error

User Action:

Validate system's memory configuration by using the memory configuration tool below: [https://dcsc.lenovo.com/#/memory\\_configuration](https://dcsc.lenovo.com/#/memory_configuration).

- **FQXSFMA0047M: SPD CRC checking failed on DIMM [arg1]. [arg2]**

Severity: Warning

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.

- **FQXSFMA0052I: DIMM [arg1] has been disabled due to the error on DIMM [arg2].[arg3]**

Severity: Info

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.

- **FQXSFMA0065I: Multi-bit CE of DIMM [arg1] has been deasserted after performing post package repair. DIMM identifier is [arg2].**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFMA0076M: DIMM [arg1] is not supported, DIMM identifier is [arg2].**

Severity: Warning

User Action:

Complete the following steps:

1. Power off the system and remove A/C power.
2. Check user manual 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.



- **FQXSFP0001N: An unsupported processor has been detected.**

Severity: Error

User Action:

Complete the following steps:

1. Check Lenovo Support site for a firmware update required for this processor and install that update, if applicable.
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.

- **FQXSFP0002N: An invalid processor type has been detected.**

Severity: Error

User Action:

Complete the following steps:

1. Verify that the processor is a valid option that is listed as a Server Proven device for this system. If a non-supported processor is identified, remove that processor or replace with a supported processor.
2. Check Lenovo Support site for a firmware update required for this processor and install that update, if applicable.
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.

- **FQXSFP0003K: A processor mismatch has been detected between one or more processors in the system.**

Severity: Error

User Action:

Complete the following steps:

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 processor's 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 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.

- **FQXSFP0004K: A discrepancy has been detected in the number of cores reported by one or more processors within the system.**

Severity: Error

User Action:

Complete the following steps:

1. If this is a newly installed option, ensure that matching processors are installed in the correct processor sockets.
2. Check Lenovo Support site for an applicable service bulletin that applies to this processor error.
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.

- **FQXSFP0005K: A mismatch between the maximum allowed UPI link speed has been detected for one or more processors.**

Severity: Error

User Action:

Complete the following steps:

1. If this is a newly installed option, ensure that matching processors are installed in the correct processor sockets.
2. Check Lenovo Support site for an applicable service bulletin that applies to this processor error.
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.

- **FQXSFP0006K: A power segment mismatch has been detected for one or more processors.**

Severity: Error

User Action:

Complete the following steps:

1. If this is a newly installed option, ensure that matching processors are installed in the correct processor sockets.
2. Check Lenovo Support site for an applicable service bulletin that applies to this processor error.
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.

- **FQXSFP0007K: Processors have mismatched Internal DDR Frequency**

Severity: Error

User Action:

Complete the following steps:

1. Verify that matching DIMMs are installed in the correct population sequence. Correct any configuration issues found.
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.

- **FQXSFP0008K: A core speed mismatch has been detected for one or more processors.**

Severity: Error

User Action:

Complete the following steps:

1. Verify that matching processors are installed in the correct processor sockets. Correct any mismatch issues found.
2. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this processor error.
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.

- **FQXSFP0009K: An external clock frequency mismatch has been detected for one or more processors.**

Severity: Error

User Action:

Complete the following steps:

1. Verify that the processor is a valid option that is listed as a Server Proven device for this system. If not, remove the processor and install one listed on the Server Proven website.
2. Verify that matching processors are installed in the correct processor sockets. Correct any mismatch found.
3. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this processor 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.

- **FQXSFP0010K: A cache size mismatch has been detected for one or more processors.**

Severity: Error

User Action:

Complete the following steps:

1. Verify that matching processors are installed in the correct processor sockets. Correct any mismatch found.
2. Check the Lenovo Support site for an applicable service bulletin or firmware update that applies to this processor error.
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.

- **FQXSFP0011K: A cache type mismatch has been detected for one or more processors.**

Severity: Error

User Action:

Complete the following steps:

1. Verify that matching processors are installed in the correct processor sockets. Correct any mismatch found.
2. Check the Lenovo Support site for an applicable service bulletin or firmware update that applies to this processor error.
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.

- **FQXSFP0012K: A cache associativity mismatch has been detected for one or more processors.**

Severity: Error

User Action:

Complete the following steps:

1. Verify that matching processors are installed in the correct processor sockets. Correct any mismatch found.
2. Check the Lenovo Support site for an applicable service bulletin or firmware update that applies to this processor error.
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.

- **FQXSFP0013K: A processor model mismatch has been detected for one or more processors.**

Severity: Error

User Action:

Complete the following steps:

1. Verify that matching processors are installed in the correct processor sockets. Correct any mismatch found.
2. Check the Lenovo Support site for an applicable service bulletin or firmware update that applies to this processor error.
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.

- **FQXSFP0014N: A processor family mismatch has been detected for one or more processors.**

Severity: Error

User Action:

Complete the following steps:

1. Verify that matching processors are installed in the correct processor sockets. Correct any mismatch found.
2. Check the Lenovo Support site for an applicable service bulletin or firmware update that applies to this processor error.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP0015K: A processor stepping mismatch has been detected for one or more processors.**

Severity: Error

User Action:

Complete the following steps:

1. Verify that matching processors are installed in the correct processor sockets. Correct any mismatch found.
2. Check the Lenovo Support site for an applicable service bulletin or firmware update that applies to this processor error.

3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP0016N: 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.

- **FQXSFP0017G: A processor microcode update failed.**

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 processor error.
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP0018N: CATERR(IERR) has asserted on processor [arg1].**

Severity: Error

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. 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.

- **FQXSFP0019N: An uncorrectable error has been detected on processor [arg1].**

Severity: Error

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. Reboot the system.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP0020I: The UEFI firmware image capsule signature is invalid.**

Severity: Info

User Action:

Complete the following steps:

1. Reboot the system. Reflash UEFI image.
2. If error does not persist no additional recovery action is required.

3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0021G: Hardware physical presence is in asserted state.**

Severity: Warning

User Action:

Complete the following steps:

1. Complete any administrative tasks requiring the TPM physical presence switch to be in the "ON" position.
2. Restore the physical presence switch to the "OFF" position and reboot the system.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0021I: The TPM physical presence state has been cleared.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFPU0022G: The TPM configuration is not locked.**

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.

- **FQXSFPU0023G: Secure Boot Image Verification Failure Warning.**

Severity: Warning

User Action:

Complete the following steps:

1. It's a security warning message when user want to boot from an unauthorized UEFI image or OS while Secure Boot is enabled and Secure Boot Mode is in User Mode. If customer does not want to boot any unauthorized UEFI image or OS, remove that bootable device.
2. If customer does want to boot this unauthorized UEFI image or OS, there're two ways to allow system boot from this unauthorized image, the first is to disable Secure Boot, 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're 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.

- **FQXSFP0023I: Secure Boot Image Verification Failure has been cleared as no failure in this round boot.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP0024G: Intel UEFI ACM startup failed, make sure TPM is enabled.**

Severity: Warning

User Action:

Complete the following steps:

1. Assert Physical Presence via the Physical Presence Jumper or Remote Physical Presence:
2. NOTE: There are two methods to assert Physical Presence:
  - a. Move the Physical Presence Jumper to the "ON" position.
  - b. If the "Physical Presence Policy" has been set to "Enable" in F1 Setup the user is allowed to assert remote Physical Presence via the IPMI tool. The setting can be found in F1 Setup at "System Settings -> Security -> Physical Presence Policy Configuration".
3. If TPM version is 2.0, go to next step. If TPM version is 1.2, do the following:
  - a. From the Setup Utility program main interface, select System Settings -> Security -> Trusted Platform Module.
  - b. Change [TPM Device] to "Enable".
  - c. Change [TPM State] to "Activate".
4. Reboot the system.
5. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP0025I: 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].**

Severity: Fatal

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.**

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 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.**

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.

- **FQXSFP0033G: Processor has been disabled.**

Severity: Warning

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. Reboot the system.
3. If the problem persists, collect Service Data logs.
4. 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.

- **FQXSFP0034L: The TPM could not be initialized properly.**

Severity: Error

User Action:

Complete the following steps:

1. Reboot the system. Reflash UEFI image.



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.

- **FQXSFP0062F: System uncorrected recoverable error happened in Processor [arg1] Core [arg2] MC bank [arg3] with MC Status [arg4], MC Address [arg5], and MC Misc [arg6].**

Severity: Warning

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.**

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.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP04035M: TPM Firmware recovery failed. TPM chip may be damaged.**

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.

- **FQXSFP04038I: TPM Firmware recovery successful.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP04040M: TPM selftest has 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.

- **FQXSFP4041I: TPM Firmware update is in progress. Please DO NOT power off or reset system.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4042I: TPM Firmware update is finished, rebooting system to take effect.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4043G: TPM Firmware update aborted. System is rebooting...**

Severity: Warning

User Action:

Information only; no action is required.

- **FQXSFP4044I: The current TPM firmware version could not support TPM version toggling.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4045G: Physical Presence is not asserted, abort TPM Firmware upgrade.**

Severity: Warning

User Action:

Complete the following steps:

1. ASSERT TPM Physical presence jumper by following System Service Manual, ref. <https://thinksystem.lenovofiles.com/help/index.jsp> navigate to ThinkSystem SR850P Types 7D2F, 7D2G, 7D2H > Hardware replacement procedures > processor board replacement > Enable TPM/TCM > Assert Physical Presence.
2. Boot system into F1 setup, check TPM status make sure TPM is available, and the TPM firmware version support TPM Toggling, ref. <https://thinksystem.lenovofiles.com/help/index.jsp> navigate to UEFI manual for ThinkSystem server > ThinkSystem server with AMD EPYC (1-socket, 1st, 2nd, 3rd Gen) > System Setup Utility interface > Security menu > TPM Toggling.
3. Reboot system and retry the TPM FW toggle, ref. <https://thinksystem.lenovofiles.com/help/index.jsp> navigate to ThinkSystem SR850P Types 7D2F, 7D2G, 7D2H > Hardware replacement procedures > processor board replacement>Enable TPM/TCM>Set the TPM version.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP4046I: TPM Firmware will be updated from TPM1.2 to TPM2.0.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4047I: TPM Firmware will be updated from TPM2.0 to TPM1.2.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4048I: TPM 2.0 firmware will be updated to version 1.3.2.20.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4049I: TPM Firmware update successful.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4050G: Failed to update TPM Firmware.**

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 user guides. Go to <https://thinksystem.lenovofiles.com/help/topic/com.lenovo.thinksystem.common.nav.doc/portfolio.html> and click your product link. Usually, the TPM update information is located in “System board replacement” section in “Hardware replacement procedures”.
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFP4051G: Undefined TPM\_TCM\_POLICY found**

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\_TCM\_POLICY is not locked**

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\_TCM\_POLICY does not match the planar.**

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.

- **FQXSFP4054G: TPM/TCM card logical binding has failed.**

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.

- **FQXSFP4056M: TPM/TCM card is changed, need install back the original TCM/TPM card which shipped with the 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.

- **FQXSFP4080I: 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.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4082I: Host Admin password has been changed.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4083I: Host Admin password has been cleared.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFP4084I: Host boot order has been changed.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFPW0085I: Host WOL boot order has been changed.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFPW0001L: 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.

- **FQXSFSM0002N: Boot Permission denied by Management Module: System Halted.**

Severity: Warning

User Action:

Complete the following steps:

1. AC cycle the system.
2. Check XCC logs, and make sure the PSU installation follows support guide line.
3. Review power policies and system configuration settings in the XCC GUI.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFSM0003N: Timed Out waiting on boot permission from Management Module: System Halted.**

Severity: Warning

User Action:

Complete the following steps:

1. AC cycle the system.
2. Check XCC logs, and make sure the PSU installation follows support guide line.
3. Review power policies and system configuration settings in the XCC GUI.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFSM0004M: An XCC communication failure has occurred.**

Severity: Warning

User Action:

Complete the following steps:

1. AC cycle the system.

2. Make sure XCC and UEFI FW are operating with same compatible level.
3. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this error.
4. Reflash XCC Firmware.
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.

- **FQXSFSM0007I: The XCC System Event log (SEL) is full.**

Severity: Info

User Action:

Complete the following steps:

1. Use BMC Web Interface to clear event logs.
2. If BMC communication is unavailable, use F1 Setup to access System Event Logs Menu and Choose Clear BMC System Event Logs and Restart Server.

- **FQXSFSM0008M: 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]**

Severity: Warning

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]**

Severity: Info

User Action:

Information only; no action is required.

- **FQXSFSR0003G: The number of boot attempts has been exceeded. No bootable device found.**

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.

- **FQXSFTTR0001L: 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.                      | Informational |
| FQXPMCL0031I | Export raid config successfully.          | Informational |
| FQXPMCL0033I | Import raid config successfully.          | Informational |
| FQXPMCL0035I | Export uefi settings successfully.        | Informational |
| FQXPMCL0037I | Import uefi settings successfully.        | Informational |
| FQXPMCL0039I | Export bmc settings successfully.         | Informational |
| FQXPMCL0041I | 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 success                           | Informational |
| FQXPMNM0002I | Set BMC network parameters to new values.                 | Informational |
| FQXPMOS0010I | Red Hat RHEL 7.3 (64-bit) OS installed                    | Informational |
| FQXPMOS0011I | Red Hat RHEL 6.9 (64-bit) OS installed                    | Informational |
| FQXPMOS0012I | SLES 12 for AMD64 and Intel64 Service Pack 2 OS installed | Informational |
| FQXPMOS0013I | SLES 11 for AMD64 and Intel64 Service Pack 4 OS installed | Informational |
| FQXPMOS0014I | Windows Server 2012 R2 SERVERWINFOUNDATION OS installed   | Informational |
| FQXPMOS0015I | Windows Server 2012 R2 SERVERSTANDARD OS installed        | Informational |
| FQXPMOS0016I | Windows Server 2012 R2 SERVERDATACENTER OS installed      | Informational |
| FQXPMOS0017I | Windows Server 2012 R2 SERVERSOLUTION OS installed        | Informational |
| FQXPMOS0018I | Windows Server 2012 R2 SERVERSTORAGESTANDARD OS installed | Informational |
| FQXPMOS0019I | Hyper-V Server 2012 R2 SERVERHYPERCORE OS installed       | Informational |
| FQXPMOS0020I | Hyper-V Server 2016 SERVERHYPERCORE OS installed          | Informational |
| FQXPMOS0021I | Windows Server 2016 SERVERSOLUTION OS installed           | Informational |
| FQXPMOS0022I | Windows Server 2016 SERVERSTANDARD OS installed           | Informational |
| FQXPMOS0023I | Windows Server 2016 SERVERDATACENTER OS installed         | Informational |
| FQXPMOS0024I | Windows Server 2016 SERVERSTORAGESTANDARD OS installed    | Informational |
| FQXPMOS0025I | Windows Server 2016 SERVERSTORAGEWORKGROUP OS installed   | Informational |
| FQXPMOS0026I | Vmware ESXi 6.5 U1 OS installed                           | Informational |
| FQXPMOS0027I | Vmware ESXi 6.0 U3 OS installed                           | Informational |
| FQXPMSR0012I | Change disk drives' state successfully.                   | Informational |
| FQXPMSR0022I | Create new virtual disk successfully.                     | Informational |
| FQXPMSR0032I | Removed existing virtual disk 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       |
| FQXPMCL0002K | Failed to read Deployment Manager Signature from USB.     | Warning       |
| FQXPMCL0003K | BMC communication failed: DRIVER Mount Failure.           | Warning       |
| FQXPMCL0004K | BMC communication succeeded. Volume Name MISMATCHED.      | Warning       |

Table 4. Events organized by severity (continued)

| Event ID     | Message String  | Severity |
|--------------|---|----------|
| FQXPMCL0005K | Current System Boot Mode is Legacy. OS Clone only support UEFI Mode.                                    | Warning  |
| FQXPMCL0030K | Failed to export raid config.   | Warning  |
| FQXPMCL0032K | Failed to import raid config.   | Warning  |
| FQXPMCL0034K | Failed to export uefi settings.   | Warning  |
| FQXPMCL0036K | Failed to import uefi settings.   | Warning  |
| FQXPMCL0038K | Failed to export bmc settings.  | Warning  |
| FQXPMCL0040K | 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  |
| FQXPMOS0002K | Failed to read Deployment Manager Signature from USB.   | Warning  |
| FQXPMOS0003K | Failed to copy Windows boot files to target   | 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  |
| FQXPMOS0007K | Failed to read License RTF file.  | Warning  |
| FQXPMOS0008K | Make sure the Ethernet cable has been plugged into your computer and your network settings are correct. | Warning  |
| FQXPMOS0009K | Current System Boot Mode is Legacy. LXPM OS installation only support UEFI Mode.                        | Warning  |
| FQXPMRS0011K | Failed to change disk drives' state.  | Warning  |
| FQXPMSR0001K | Found unsupported RAID adapter.   | Warning  |
| FQXPMSR0021L | Failed to create new virtual disk.  | Warning  |
| FQXPMSR0031L | Failed to remove existing virtual disk  | Warning  |
| FQXPMUP0001K | The system configuration does not meet the prerequisite   | Warning  |
| FQXPMUP0002K | The selected packages are not compatible  | 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  |

Table 4. Events organized by severity (continued)

| Event ID     | Message String   | Severity |
|--------------|--|----------|
| 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    |
| FQXPMEM0009M | Unexpected error occur   | 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    |
| 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 send command to test hard drive.                  | 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 cmd 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 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.**

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 reseal.

**Note:** When performing AC reset, after powering off AC, wait several seconds before powering on AC. After AC power is restored, power on the host system.

5. If the problem persists, contact technical support.

- **FQXPMCL0002K: Failed to read Deployment Manager Signature from USB.**

Severity: Warning

User Action:

1. Ensure proper operation of the virtual USB connection.
2. Restart BMC via BMC setting under uEFI setup on LXPM left panel. 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 several seconds before powering on AC. After AC power is restored, power on the host system.

6. If the problem persists, contact technical support.

- **FQXPMCL0003K: BMC communication failed: 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 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.**

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 reset.

**Note:** When performing AC reset, after powering off AC, wait 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.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0005K: Current System Boot Mode is Legacy. OS Clone only support UEFI Mode.**

Severity: Warning

User Action:

1. Change Boot mode to UEFI mode (UEFI Setup -> Boot Manager -> Boot Modes -> System Boot Mode and select UEFI Mode.)
2. Clone the image over and retry the operation.

- **FQXPMCL0030K: Failed to export raid config.**

Severity: Warning

User Action:

1. Check the following Lenovo support site for information on supported RAID adapters. <http://www.lenovo.com/us/en/serverproven/index.shtml>
2. Ensure RAID adapter, LXPM, and UEFI firmware are at the latest levels.
3. Ensure 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.

- **FQXPMCL0031I: Export raid config successfully.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0032K: Failed to import raid config.**

Severity: Warning

User Action:

1. Check the following Lenovo support site for information on supported RAID adapters. <http://www.lenovo.com/us/en/serverproven/index.shtml>
2. Ensure RAID adapter, LXPM, and UEFI firmware are at the latest levels.
3. Ensure the state of RAID adapter and disk drives are healthy.
4. Ensure good physical connection between the disk drives and RAID adapter.
5. Ensure 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.

- **FQXPMCL0033I: Import raid config successfully.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0034K: Failed to export uefi settings.**

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.

- **FQXPMCL0035I: Export uefi settings successfully.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0036K: Failed to import uefi settings.**

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.

- **FQXPMCL0037I: Import uefi settings successfully.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0038K: Failed to export bmc settings.**

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 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.

- **FQXPMCL0039I: Export bmc settings successfully.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMCL0040K: Failed import bmc settings.**

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 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.

- **FQXPMCL0041I: Import bmc settings successfully.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMEM0001M: Unable to locate LXPM firmware image**

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 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**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMEM0003I: LXPM has exited. Control returned to UEFI**

Severity: Info

User Action:



Information only; no action is required.

- **FQXPMEM0004I: Launching diagnostic program**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMEM0005I: boot diagnostic program success**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMEM0006M: Unable to locate diagnostic firmware image**

Severity: Error

User Action:

1. Restart BMC via supported method and reboot the system.
2. Perform AC reset or virtual reset.

**Note:** When performing AC reset, after powering off AC, wait 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**

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 reset.

**Note:** When performing AC reset, after powering off AC, wait 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**

Severity: Error

User Action:

1. Restart BMC via supported method and reboot the system.
2. Perform AC reset or virtual reset.

**Note:** When performing AC reset, after powering off AC, wait 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.

- **FQXPMEM0009M: Unexpected error occur**

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 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.

- **FQXPMNM0001G: Failed to set new BMC network parameters.**

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.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0001K: Bootx64.efi is not found. Failed to Boot OS.**

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 several seconds before powering on AC. After AC power is restored, power on the host system.

5. If the problem persists, contact technical support.

- **FQXPMOS0002K: Failed to read Deployment Manager Signature from USB.**

Severity: Warning

User Action:

1. Ensure proper operation of the virtual USB connection.
2. Restart BMC via supported method and reboot the system.
3. If the problem persists, reflash BMC firmware.
4. Retry OS deployment.

5. If the problem persists, perform AC reset or virtual reseal.

**Note:** When performing AC reset, after powering off AC, wait several seconds before powering on AC. After AC power is restored, power on the host system.

6. If the problem persists, contact technical support.

- **FQXPMOS0003K: Failed to copy Windows boot files to target**

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 several seconds before powering on AC. After AC power is restored, power on the host system.

6. If the problem persists, contact technical support.

- **FQXPMOS0004K: BMC Communication Failed: EMMC2USB 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 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.**

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 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.**

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 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.**

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 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: Make sure the Ethernet cable has been plugged into your computer and your network settings are correct.**

Severity: Warning

User Action:

1. Ensure proper operation of SMB/CIFS and NFS communications (make sure the Ethernet cable has been plugged and network settings are correct.).
2. Make sure the OS version and folder path are correct.
3. Retry CIFS and NFS installation.
4. If the problem persists, contact technical support.

- **FQXPMOS0009K: Current System Boot Mode is Legacy. LXPM OS installation only support UEFI Mode.**

Severity: Warning

User Action:

1. Change boot mode to UEFI mode
2. Retry OS deployment.

- **FQXPMOS0010I: Red Hat RHEL 7.3 (64-bit) OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0011I: Red Hat RHEL 6.9 (64-bit) OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0012I: SLES 12 for AMD64 and Intel64 Service Pack 2 OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0013I: SLES 11 for AMD64 and Intel64 Service Pack 4 OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0014I: Windows Server 2012 R2 SERVERWINFOUNDATION OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0015I: Windows Server 2012 R2 SERVERSTANDARD OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0016I: Windows Server 2012 R2 SERVERDATACENTER OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0017I: Windows Server 2012 R2 SERVERSOLUTION OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0018I: Windows Server 2012 R2 SERVERSTORAGESTANDARD OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0019I: Hyper-V Server 2012 R2 SERVERHYPERCORE OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0020I: Hyper-V Server 2016 SERVERHYPERCORE OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0021I: Windows Server 2016 SERVERSOLUTION OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0022I: Windows Server 2016 SERVERSTANDARD OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0023I: Windows Server 2016 SERVERDATACENTER OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0024I: Windows Server 2016 SERVERSTORAGESTANDARD OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0025I: Windows Server 2016 SERVERSTORAGEWORKGROUP OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0026I: Vmware ESXi 6.5 U1 OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMOS0027I: Vmware ESXi 6.0 U3 OS installed**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMRS0011K: Failed to change disk drives' state.**

Severity: Warning

User Action:

1. Ensure LXPM and RAID adapter firmware are at the latest levels.
2. Ensure 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 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.

- **FQXPMSD0001M: HDD Test was interrupted by the host with a hardware or software reset**

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 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**

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 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.**

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 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.**

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 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.**

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 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.**

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 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**

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 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.**

Severity: Error

User Action:

1. Reboot 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.**



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://sysmgmt.lenovofiles.com/help/topic/lxpm\\_frontend/lxpm\\_product\\_page.html](https://sysmgmt.lenovofiles.com/help/topic/lxpm_frontend/lxpm_product_page.html) 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.**

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://sysmgmt.lenovofiles.com/help/topic/lxpm\\_frontend/lxpm\\_product\\_page.html](https://sysmgmt.lenovofiles.com/help/topic/lxpm_frontend/lxpm_product_page.html) 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 send command to test 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.**

Severity: Warning

User Action:

1. Check the following Lenovo support site for information on supported RAID adapters. <http://www.lenovo.com/us/en/serverproven/index.shtml>
2. Ensure RAID adapter, LXPM, and UEFI firmware are at the latest levels.
3. If the problem persists, contact technical support.

- **FQXPMSR0012I: Change disk drives' state successfully.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMSR0021L: Failed to create new virtual disk.**

Severity: Warning

User Action:

1. Ensure LXPM and RAID adapter firmware are at the latest levels.
2. Ensure 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 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 successfully.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMSR0031L: Failed to remove existing virtual disk**

Severity: Warning

User Action:

1. Ensure LXPM and RAID adapter firmware are at the latest levels.
2. Ensure 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 successfully.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0001K: The system configuration does not meet the prerequisite**

Severity: Warning

User Action:

1. Follow prompts to update the firmware and retry the update.
2. If the problem persists, contact technical support.

- **FQXPMUP0002K: The selected packages are not compatible**

Severity: Warning

User Action:

1. Follow prompts to update each individual firmware package.
2. If the problem persists, contact technical support.

- **FQXPMUP0003K: Unable to obtain the minimum level of UEFI**

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 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**

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 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**

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 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**

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 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**

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 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**

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 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**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0102I: Start to update window driver**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0103I: Start to update linux driver**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0104I: Start to update UEFI**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0105I: Start to update BMC**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0106I: Successfully updated the firmware**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0201M: BMC communication failed: EMMC2USB mount failure. Failed to update the firmware**

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 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 (eg. 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**

Severity: Error

User Action:

1. Ensure the update package is not corrupt undamaged and then 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. 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 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 (eg. 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**

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 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 (eg. XClarity Administrator, XClarity Controller, or XClarity Essential OneCLI).
5. If the problem persists, contact technical support.

- **FQXPMUP0204M: BMC communication failed: Execute the update cmd failure. Failed to update the firmware**

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 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 (eg. 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**

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 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 (eg. 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.**

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 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 (eg. 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.**

Severity: Error

User Action:

1. Ensure 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 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 (eg. XClarity Administrator, XClarity Controller, or XClarity Essential OneCLI).
7. If the problem persists, contact technical support.

- **FQXPMUP0208M: Failed to execute reboot BMC command**

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 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.**

Severity: Warning

User Action:

1. Press "Back" 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 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.**

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 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.**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMVD0011K: Failed to get the TPM/TPM card/TCM policy status**

Severity: Warning

User Action:

1. Press "Back" 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 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**

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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## Chapter 5. FPC events

The following events can be viewed from the FPC web interface.

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/ Normal.** 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.
- **Critical .** The event is a failure or critical condition that impairs service or an expected function.

### Serviceable

Specifies whether user action is required to correct the problem.

### User response

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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## List of fan power control (FPC) error codes

This section details the fan power control (FPC) error codes.

- **02 : EvtLogDisabled: Event Logging Disabled sensor, Log Area Reset/Cleared was asserted.**

FPC system event log is cleared.

### Severity

Normal

### Serviceable

### Automatically notify support

### User Action

1. N/A

- **03 : EvtLogDisabled: Event Logging Disabled sensor, system event log full was asserted**

Warning is asserted when system event log is at least 75% full. Error is asserted when System Event Log is 100% full.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. User should clear system event log.

- **04 : EvtLogDisabled: Event Logging Disabled sensor, system event log almost full was asserted**

Warning is asserted when system event log is at least 75% full.

**Severity**

Warning

**Serviceable****Automatically notify support****User Action**

1. User should be aware that system event log is almost full. No action needed.

- **10 : FAN\_Tach\_1A: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **11 : FAN\_Tach\_1B: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **12 : FAN\_Tach\_2A: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **13 : FAN\_Tach\_2B: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **14 : FAN\_Tach\_3A: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **15 : FAN\_Tach\_3B: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **16 : FAN\_Tach\_4A: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **17 : FAN\_Tach\_4B: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **18 : FAN\_Tach\_5A: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **19 : FAN\_Tach\_5B: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **1A : FAN\_Tach\_6A: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **1B : FAN\_Tach\_6B: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **1C : FAN\_Tach\_7A: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **1D : FAN\_Tach\_7B: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **1E : FAN\_Tach\_8A: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **1F : FAN\_Tach\_8B: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **20 : FAN\_Tach\_9A: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **21 : FAN\_Tach\_9B: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **22 : FAN\_Tach\_10A: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.
2. Reseat fan module one or two times. If error still persist, replace fan module.

- **23 : FAN\_Tach\_10B: Fan sensor, failure event was asserted, reading value : %RPM (Threshold : 1472RPM)**

Asserted when Fan tach reading is below threshold RPM.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. If error is not de-asserted after several minutes, check all ten fans are installed.

2. Reseat fan module one or two times. If error still persist, replace fan module.

- **30 : 12V\_Sense**

Asserted when voltage sensed on 12V power rail is lower than lower critical threshold (10.816V) or higher than upper critical threshold (13.248 V)

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat FPC module. If 12V\_SENSE error is still asserted, replace FPC module.

- **31 : 3V3\_Sense**

Asserted when voltage sensed on 3V power rail is lower than lower critical threshold (2.975 V) or higher than upper critical threshold (3.623 V)

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat FPC module. If 3V3\_SENSE error is still asserted, replace FPC module.

- **32 : 5V\_Sense**

Asserted when voltage sensed on 5V power rail is lower than lower critical threshold (4.563 V) or higher than upper critical threshold (5.589 V)

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat FPC module. If 5V\_SENSE error is still asserted, replace FPC module.

- **33 : VBAT\_Sense**

Asserted when voltage sensed on coin battery output voltage is lower than lower critical threshold (1.795V)

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**



1. Replace coin battery on FPC.

- **40 : PS1\_FANFault**

Power supply 1 fan has fail condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check PSU power cord, reseal PSU.
2. If PSU Fan Fault is still asserted, replace PSU.

- **41 : PS1\_Thermal\_Fault**

Power supply fan has thermal related fault, possibly over-heated condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check PSU power cord, reseal PSU.
2. If PSU Thermal Fault is still asserted, replace PSU.

- **42 : PS1\_12V\_OV\_Fault**

Power supply is having 12V power Over-Voltage condition

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V OV Fault is still asserted, replace PSU.

- **43 : PS1\_12V\_UV\_Fault**

Power supply is having 12V power Under-Voltage condition.

**Severity**

Critical

**Serviceable**

## **Automatically notify support**

### **User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V UV Fault is still asserted, replace PSU.

- **44 : PS1\_12V\_AUX\_Fault**

Power supply is having faulty condition in providing 12V AUX power.

### **Severity**

Critical

### **Serviceable**

## **Automatically notify support**

### **User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V AUX Fault is still asserted, replace PSU.

- **45 : PS1\_EPOW\_Assert**

AC power provided to the indicated power supply is lost

### **Severity**

Non-Recoverable

### **Serviceable**

## **Automatically notify support**

### **User Action**

Complete the following steps:

1. Make sure PSU power cord is properly plugged in. Check if AC power is stable.

- **46 : PS1\_Throttle\_Assert**

Power supply is having over-current condition.

### **Severity**

Critical

### **Serviceable**

## **Automatically notify support**

### **User Action**

Complete the following steps:

1. Make sure PSU power cord is properly plugged in.
2. Un-install node one by one to identify if any of the node is causing the OC condition.

3. If Throttle is still asserted when all nodes are removed from chassis, do the following: Unplug power supplies power cord and removed all power supplies from chassis. Plug power cord back into power supply while power supply is outside of chassis. If PSU orange LED is turned off under this circumstance, replace mid-plane. If LED is still lit, replace PSU.

- **47 : PS1\_AC\_Lo\_Line**

Power supply is connected to 110v AC.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **48 : PS1\_OT\_Warning**

Power supply internal temperature has reached warning threshold. Over temperature fault is possibly to occur if condition not relieved.

**Severity**

Warning

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure that there is no obstruction blocking power supplies and system fans' air way.
2. Make sure that power supplies does not have any fault condition.
3. Make sure that room temperature is maintained at required level.
4. Make sure that all fan modules are installed and operating properly.
5. Make sure that power supplies fans are running with higher speed than system fan.
6. If condition persists after above inspection, reseal power supply.
7. If OT warning continues to present after power supply reseal, replace power supply.

- **49 : PS1\_No\_Present**

Power supply was removed from chassis.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **50 : PS2\_FANFault**

Power supply 2fan has fail condition.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Check PSU power cord, reseal PSU.
2. If PSU Fan Fault is still asserted, replace PSU.

- **51 : PS2\_Thermal\_Fault**

Power supply fan has thermal related fault, possibly over-heated condition.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Check PSU power cord, reseal PSU.
2. If PSU Thermal Fault is still asserted, replace PSU.

- **52 : PS2\_12V\_OV\_Fault**

Power supply is having 12V power Over-Voltage condition

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V OV Fault is still asserted, replace PSU.

- **53 : PS2\_12V\_UV\_Fault**

Power supply is having 12V power Under-Voltage condition.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.

2. Reseat components in the following order, continue down the list if OV fault is not de-asserted: Power supply, Mid-plane, All Nodes.
3. If PSU 12V UV Fault is still asserted, replace PSU.

- **54 : PS2\_12V\_AUX\_Fault**

Power supply is having faulty condition in providing 12V AUX power.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted: Power supply, Mid-plane, All Nodes.
3. If PSU 12V AUX Fault is still asserted, replace PSU.

- **55 : PS2\_EPOW\_Assert**

AC power provided to the indicated power supply is lost

**Severity**

Non-Recoverable

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure PSU power cord is properly plugged in. Check if AC power is stable.

- **56 : PS2\_Throttle\_Assert**

Power supply is having over-current condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure PSU power cord is properly plugged in.
2. Un-install node one by one to identify if any of the node is causing the OC condition.
3. If Throttle is still asserted when all nodes are removed from chassis, do the following: Unplug power supplies power cord and removed all power supplies from chassis. Plug power cord back into power supply while power supply is outside of chassis. If PSU orange LED is turned off under this circumstance, replace mid-plane. If LED is still lit, replace PSU.

- **57 : PS2\_AC\_Lo\_Line**

Power supply is connected to 110v AC.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **58 : PS2\_OT\_Warning**

Power supply internal temperature has reached warning threshold. Over temperature fault is possibilly to occur if condition not relieved.

**Severity**

Warning

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure that there is no obstrcuton blocking power supplies and system fans' air way.
2. Make sure that power supplies does not have any fault condition.
3. Make sure that room temperature is maintained at required level.
4. Make sure that all fan modules are installed and operating properly.
5. Make sure that power supplies fans are running with higher speed than system fan.
6. If condition persists after above inspection, reseal power supply.
7. If OT warning continues to present after power supply reseal, replace power supply.

- **59 : PS2\_No\_Present**

Power supply was removed from chassis.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **60 : PS3\_FANFault**

Power supply 3 fan has fail condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check PSU power cord, reseal PSU.
2. If PSU Fan Fault is still asserted, replace PSU.

- **61 : PS3\_Thermal\_Fault**

Power supply fan has thermal related fault, possibly over-heated condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check PSU power cord, reseal PSU.
2. If PSU Thermal Fault is still asserted, replace PSU.

- **62 : PS3\_12V\_OV\_Fault**

Power supply is having 12V power Over-Voltage condition

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V OV Fault is still asserted, replace PSU.

- **63 : PS3\_12V\_UV\_Fault**

Power supply is having 12V power Under-Voltage condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V UV Fault is still asserted, replace PSU.

- **64 : PS3\_12V\_AUX\_Fault**

Power supply is having faulty condition in providing 12V AUX power.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted: Power supply, Mid-plane, All Nodes.
3. If PSU 12V AUX Fault is still asserted, replace PSU.

- **65 : PS3\_EPOW\_Assert**

AC power provided to the indicated power supply is lost

**Severity**

Non-Recoverable

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Make sure PSU power cord is properly plugged in. Check if AC power is stable.

- **66 : PS3\_Throttle\_Assert**

Power supply is having over-current condition.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Make sure PSU power cord is properly plugged in.
2. Un-install node one by one to identify if any of the node is causing the OC condition.
3. If Throttle is still asserted when all nodes are removed from chassis, do the following: Unplug power supplies power cord and removed all power supplies from chassis. Plug power cord back into power supply while power supply is outside of chassis. If PSU orange LED is turned off under this circumstance, replace mid-plane. If LED is still lit, replace PSU.

- **67 : PS3\_AC\_Lo\_Line**

Power supply is connected to 110v AC.

**Severity**

Info

**Serviceable****Automatically notify support****User Action**



1. No user action needed.

- **68 : PS3\_OT\_Warning**

Power supply internal temperature has reached warning threshold. Over temperature fault is possibly to occur if condition not relieved.

**Severity**

Warning

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure that there is no obstruction blocking power supplies and system fans' air way.
2. Make sure that power supplies does not have any fault condition.
3. Make sure that room temperature is maintained at required level.
4. Make sure that all fan modules are installed and operating properly.
5. Make sure that power supplies fans are running with higher speed than system fan.
6. If condition persists after above inspection, reseal power supply.
7. If OT warning continues to present after power supply reseal, replace power supply.

- **69 : PS3\_No\_Present**

Power supply was removed from chassis.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **70 : PS4\_FANFault**

Power supply 4 fan has fail condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check PSU power cord, reseal PSU.
2. If PSU Fan Fault is still asserted, replace PSU.

- **71 : PS4\_Thermal\_Fault**

Power supply fan has thermal related fault, possibly over-heated condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check PSU power cord, reseal PSU.
2. If PSU Thermal Fault is still asserted, replace PSU.

- **72 : PS4\_12V\_OV\_Fault**

Power supply is having 12V power Over-Voltage condition

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V OV Fault is still asserted, replace PSU.

- **73 : PS4\_12V\_UV\_Fault**

Power supply is having 12V power Under-Voltage condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V UV Fault is still asserted, replace PSU.

- **74 : PS4\_12V\_AUX\_Fault**

Power supply is having faulty condition in providing 12V AUX power.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted: Power supply, Mid-plane, All Nodes.
3. If PSU 12V AUX Fault is still asserted, replace PSU.

- **75 : PS4\_EPOW\_Assert**

AC power provided to the indicated power supply is lost

**Severity**

Non-Recoverable

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure PSU power cord is properly plugged in. Check if AC power is stable.

- **76 : PS4\_Throttle\_Assert**

Power supply is having over-current condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure PSU power cord is properly plugged in.
2. Un-install node one by one to identify if any of the node is causing the OC condition.
3. If Throttle is still asserted when all nodes are removed from chassis, do the following: Unplug power supplies power cord and removed all power supplies from chassis. Plug power cord back into power supply while power supply is outside of chassis. If PSU orange LED is turned off under this circumstance, replace mid-plane. If LED is still lit, replace PSU.

- **77 : PS4\_AC\_Lo\_Line**

Power supply is connected to 110v AC.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **78 : PS4\_OT\_Warning**

Power supply internal temperature has reached warning threshold. Over temperature fault is possibly to occur if condition not relieved.

**Severity**

Warning

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure that there is no obstruction blocking power supplies and system fans' air way.
2. Make sure that power supplies does not have any fault condition.
3. Make sure that room temperature is maintained at required level.
4. Make sure that all fan modules are installed and operating properly.
5. Make sure that power supplies fans are running with higher speed than system fan.
6. If condition persists after above inspection, reseal power supply.
7. If OT warning continues to present after power supply reseal, replace power supply.

• **79 : PS4\_No\_Present**

Power supply was removed from chassis.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

• **80 : PS5\_FANFault**

Power supply 5 fan has fail condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check PSU power cord, reseal PSU.
2. If PSU Fan Fault is still asserted, replace PSU.

• **81 : PS5\_Thermal\_Fault**

Power supply fan has thermal related fault, possibly over-heated condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check PSU power cord, reseal PSU.
2. If PSU Thermal Fault is still asserted, replace PSU.

- **82 : PS5\_12V\_OV\_Fault**

Power supply is having 12V power Over-Voltage condition

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V OV Fault is still asserted, replace PSU.

- **83 : PS5\_12V\_UV\_Fault**

Power supply is having 12V power Under-Voltage condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V UV Fault is still asserted, replace PSU.

- **84 : PS5\_12V\_AUX\_Fault**

Power supply is having faulty condition in providing 12V AUX power.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V AUX Fault is still asserted, replace PSU.

- **85 : PS5\_EPOW\_Assert**

AC power provided to the indicated power supply is lost

**Severity**

Non-Recoverable

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure PSU power cord is properly plugged in. Check if AC power is stable.

- **86 : PS5\_Throttle\_Assert**

Power supply is having over-current condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure PSU power cord is properly plugged in.
2. Un-install node one by one to identify if any of the node is causing the OC condition.
3. If Throttle is still asserted when all nodes are removed from chassis, do the following: Unplug power supplies power cord and removed all power supplies from chassis. Plug power cord back into power supply while power supply is outside of chassis. If PSU orange LED is turned off under this circumstance, replace mid-plane. If LED is still lit, replace PSU.

- **87 : PS5\_AC\_Lo\_Line**

Power supply is connected to 110v AC.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **88 : PS5\_OT\_Warning**

Power supply internal temperature has reached warning threshold. Over temperature fault is possibilly to occur if condition not relieved.

**Severity**

Warning

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure that there is no obstruction blocking power supplies and system fans' air way.
2. Make sure that power supplies does not have any fault condition.
3. Make sure that room temperature is maintained at required level.
4. Make sure that all fan modules are installed and operating properly.
5. Make sure that power supplies fans are running with higher speed than system fan.
6. If condition persists after above inspection, reseal power supply.
7. If OT warning continues to present after power supply reseal, replace power supply.

- **89 : PS5\_No\_Present**

Power supply was removed from chassis.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **90 : PS6\_FANFault**

Power supply 6 fan has fail condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check PSU power cord, reseal PSU.
2. If PSU Fan Fault is still asserted, replace PSU.

- **91 : PS6\_Thermal\_Fault**

Power supply fan has thermal related fault, possibly over-heated condition.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Check PSU power cord, reseal PSU.
2. If PSU Thermal Fault is still asserted, replace PSU.

- **92 : PS6\_12V\_OV\_Fault**

Power supply is having 12V power Over-Voltage condition

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V OV Fault is still asserted, replace PSU.

- **93 : PS6\_12V\_UV\_Fault**

Power supply is having 12V power Under-Voltage condition.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V UV Fault is still asserted, replace PSU.

- **94 : PS6\_12V\_AUX\_Fault**

Power supply is having faulty condition in providing 12V AUX power.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Check if PSU power cord is plugged.
2. Reseat components in the following order, continue down the list if OV fault is not de-asserted:  
Power supply, Mid-plane, All Nodes.
3. If PSU 12V AUX Fault is still asserted, replace PSU.

- **95 : PS6\_EPOW\_Assert**

AC power provided to the indicated power supply is lost

**Severity**

Non-Recoverable

**Serviceable**



### **Automatically notify support**

#### **User Action**

Complete the following steps:

1. Make sure PSU power cord is properly plugged in. Check if AC power is stable.

- **96 : PS6\_Throttle\_Assert**

Power supply is having over-current condition.

#### **Severity**

Critical

#### **Serviceable**

### **Automatically notify support**

#### **User Action**

Complete the following steps:

1. Make sure PSU power cord is properly plugged in.
2. Un-install node one by one to identify if any of the node is causing the OC condition.
3. If Throttle is still asserted when all nodes are removed from chassis, do the following: Unplug power supplies power cord and removed all power supplies from chassis. Plug power cord back into power supply while power supply is outside of chassis. If PSU orange LED is turned off under this circumstance, replace mid-plane. If LED is still lit, replace PSU.

- **97 : PS6\_AC\_Lo\_Line**

Power supply is connected to 110v AC.

#### **Severity**

Info

#### **Serviceable**

### **Automatically notify support**

#### **User Action**

1. No user action needed.

- **98 : PS6\_OT\_Warning**

Power supply internal temperature has reached warning threshold. Over temperature fault is possibility to occur if condition not relieved.

#### **Severity**

Warning

#### **Serviceable**

### **Automatically notify support**

#### **User Action**

Complete the following steps:

1. Make sure that there is no obstruction blocking power supplies and system fans' air way.
2. Make sure that power supplies does not have any fault condition.
3. Make sure that room temperature is maintained at required level.
4. Make sure that all fan modules are installed and operating properly.

5. Make sure that power supplies fans are running with higher speed than system fan.
6. If condition persists after above inspection, reseal power supply.
7. If OT warning continues to present after power supply reseal, replace power supply.

- **99 : PS6\_No\_Present**

Power supply was removed from chassis.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **A0 : Node01\_BMC\_Fault**

The management device on indicated node is not responding.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat Node. If fault still persist, replace node.

- **A1 : Node02\_BMC\_Fault**

The management device on indicated node is not responding.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat Node. If fault still persist, replace node.

- **A2 : Node03\_BMC\_Fault**

The management device on indicated node is not responding.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat Node. If fault still persist, replace node.

- **A3 : Node04\_BMC\_Fault**

The management device on indicated node is not responding.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat Node. If fault still persist, replace node.

- **A4 : Node05\_BMC\_Fault**

The management device on indicated node is not responding.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat Node. If fault still persist, replace node.

- **A5 : Node06\_BMC\_Fault**

The management device on indicated node is not responding.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat Node. If fault still persist, replace node.

- **A6 : Node07\_BMC\_Fault**

The management device on indicated node is not responding.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat Node. If fault still persist, replace node.

- **A7 : Node08\_BMC\_Fault**

The management device on indicated node is not responding.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat Node. If fault still persist, replace node.

- **A8 : Node09\_BMC\_Fault**

The management device on indicated node is not responding.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat Node. If fault still persist, replace node.

- **A9 : Node10\_BMC\_Fault**

The management device on indicated node is not responding.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat Node. If fault still persist, replace node.

- **AA : Node11\_BMC\_Fault**

The management device on indicated node is not responding.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat Node. If fault still persist, replace node.

- **AB : Node12\_BMC\_Fault**

The management device on indicated node is not responding.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Reseat Node. If fault still persist, replace node.

- **AC : PSU\_Unbalance**

All installed power supplies occupy only one side of the chassis and are in diagonal to the side where all powered-on nodes occupy. An unbalance power distribution condition is likely to occur.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Make sure all power supplies are healthy and all 6 power supplies are installed. If less number of power supplies are installed, make sure power supply slot 1 and 2 are occupied first.

- **AD : PSU\_Mismatch**

Power supplies of different ratings are installed in the same chassis.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Make sure that there is no mix of different rating power supplies.

- **AE : PSU\_Not\_Support**

This error indicates at least one non-support PSU is installed.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Make sure that all power supplies installed are Lenovo approved common form factor power supplies supported on this type of system.

- **AF : PSU\_Policy\_Loses**

Previously configured power supply redundancy policy is lost.

**Severity**

Warning

**Serviceable****Automatically notify support****User Action**

1. Make sure that FPC USB key is installed. Check if all power supplies are installed and in healthy condition.
2. If all good, reconfigure power supply redundancy policy when needed.

- **B2 : FAN01\_No\_Present**

Indicated fan module is missing from fan bay or not properly installed.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

1. Make sure that all ten fans are installed. If all fans are confirmed to be present, reseal fan modules. If event persists after fan module reseal, replace fan modules.

- **B3 : FAN02\_No\_Present**

Indicated fan module is missing from fan bay or not properly installed.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

1. Make sure that all ten fans are installed. If all fans are confirmed to be present, reseal fan modules. If event persists after fan module reseal, replace fan modules.

- **B4 : FAN03\_No\_Present**

Indicated fan module is missing from fan bay or not properly installed.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

1. Make sure that all ten fans are installed. If all fans are confirmed to be present, reseal fan modules. If event persists after fan module reseal, replace fan modules.

- **B5 : FAN04\_No\_Present**

Indicated fan module is missing from fan bay or not properly installed.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

1. Make sure that all ten fans are installed. If all fans are confirmed to be present, reseal fan modules. If event persists after fan module reseal, replace fan modules.

- **B6 : FAN05\_No\_Present**

Indicated fan module is missing from fan bay or not properly installed.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

1. Make sure that all ten fans are installed. If all fans are confirmed to be present, reseal fan modules. If event persists after fan module reseal, replace fan modules.

- **B7 : FAN06\_No\_Present**

Indicated fan module is missing from fan bay or not properly installed.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

1. Make sure that all ten fans are installed. If all fans are confirmed to be present, reseal fan modules. If event persists after fan module reseal, replace fan modules.

- **B8 : FAN07\_No\_Present**

Indicated fan module is missing from fan bay or not properly installed.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

1. Make sure that all ten fans are installed. If all fans are confirmed to be present, reseal fan modules. If event persists after fan module reseal, replace fan modules.

- **B9 : FAN08\_No\_Present**

Indicated fan module is missing from fan bay or not properly installed.

**Severity**

Critical

**Serviceable**

### **Automatically notify support**

#### **User Action**

1. Make sure that all ten fans are installed. If all fans are confirmed to be present, reseal fan modules. If event persists after fan module reseal, replace fan modules.

- **BA : FAN09\_No\_Present**

Indicated fan module is missing from fan bay or not properly installed.

#### **Severity**

Critical

#### **Serviceable**

### **Automatically notify support**

#### **User Action**

1. Make sure that all ten fans are installed. If all fans are confirmed to be present, reseal fan modules. If event persists after fan module reseal, replace fan modules.

- **BB : FAN10\_No\_Present**

Indicated fan module is missing from fan bay or not properly installed.

#### **Severity**

Critical

#### **Serviceable**

### **Automatically notify support**

#### **User Action**

1. Make sure that all ten fans are installed. If all fans are confirmed to be present, reseal fan modules. If event persists after fan module reseal, replace fan modules.

- **BC : Zone %\_FAN\_FFS**

All system fans in indicated zone are running in full speed.

#### **Severity**

Warning

#### **Serviceable**

### **Automatically notify support**

#### **User Action**

Complete the following steps:

1. Make sure that room temperature is maintained at required level.
2. Make sure that all fan modules are installed and operating properly.

- **BD : Zone %\_PSU\_FFS**

All power supply fans in indicated zone are running in full speed.

#### **Severity**

Warning

#### **Serviceable**

### **Automatically notify support**



**User Action**

Complete the following steps:

1. Make sure that room temperature is maintained at required level.
2. Make sure that all system fan modules are installed and operating properly.
3. Make sure that all PSUs are installed and operating properly.

- **BE : Leak\_Snsr1\_FAULT**

For water cool related setup only, this event indicates that a leakage is detected in fan bay#1 drip tray.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Check the drip tray first to see if there is water leakage.
2. Inspect and replace the water pipe,if there is water leakage.
3. Reseat the drip tray if there is no fluid in the tray,
4. Replace the drip tray if the event continue to be asserted after drip tray reseal.

- **BF : Leak\_Snsr2\_FAULT**

For water cool related setup only, this event indicates that a leakage is detected in fan bay#3 drip tray.

**Severity**

Critical

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Check the drip tray first to see if there is water leakage.
2. Inspect and replace the water pipe,if there is water leakage.
3. Reseat the drip tray if there is no fluid in the tray,
4. Replace the drip tray if the event continue to be asserted after drip tray reseal.

- **C0 : First\_Perm\_Fail**

Node pre-boot power permission is denied. Node is not allowed to turn on because chassis power might be overloaded when indicated node run in fully stressed condition.

**Severity**

Warning

**Serviceable****Automatically notify support****User Action**

Complete the following steps:

1. Make sure that the node configuration meet the power limitation of current power supply configuration.
2. Make sure that there is no mismatch of PSU nor non-supported PSU installed.

- **C1 : Failsafe\_No\_Perm**

Power permission retrieved from node due to node BMC not responsive for at least 7 minutes.

**Severity**

Warning

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Reseat node one time. If node bmc heartbeat is not blinking, replace the node.

- **C2 : Node\_Reseat\_User**

User performed virtual reseat operation on indicated node.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **C3 : Node\_Reset\_User**

User performed virtual reset operation on indicated node.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **C4 : Node\_No\_Present**

Node is not installed in the indicated slot.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **C5 : Node\_DC\_OFF**

Node is turned off(DC-Off)

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **C6 : Second\_Perm\_Fail**

Node post boot continue permission is denied. Node power on process stops at POST and node is automatically turned off(DC-OFF) after a few minutes.

**Severity**

Warning

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure that the node configuration meet the power limitation of current power supply configuration.
2. Make sure that there is no mismatch of PSU nor non-supported PSU installed.

- **C7 : Restore\_Cap\_Fail**

Previously set power capping values cannot be restored

**Severity**

Warning

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure that FPC USB key is installed. Check if all power supplies are properly installed and in healthy condition.
2. If all good, reconfigure power capping values when needed.

- **C8 : EPOW\_OUT**

Node is notified of PSU AC lost condition. Node could enter power throttling state and performance could be affected.

**Severity**

Non-Recoverable

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure all power supplies power cord are properly installed. Check if AC power is stable.

- **C9 : Throttle\_OUT**

Node is notified of PSU Over-current condition. Node could enter power throttling state and performance could be affected.

**Severity**

Non-Recoverable

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Make sure all power supplies power cord are properly installed. Check if AC power is stable.
2. Make sure that all power supplies are in healthy condition.
3. Make sure that all nodes are properly installed and are not in fault condition.
4. Make sure that the node configuration meet the power limitation of current power supply configuration.

- **CA : Chassis\_Cap\_Low**

User input chassis level capping value is lower than the lowest capping value possible for this particular chassis, so the user input capping value may not be maintained.

**Severity**

Warning

**Serviceable**

**Automatically notify support**

**User Action**

1. Set capping value within suggested range.

- **CB : Node\_Cap\_Low**

User input node level capping value is lower than the lowest capping value possible for this particular node, so the user input capping value may not be maintained.

**Severity**

Warning

**Serviceable**

**Automatically notify support**

**User Action**

1. Set capping value within suggested range.

- **CC : USB Key Missing**

FPC detects that the onboard USB device is broken or not installed.

**Severity**

Critical

**Serviceable**

## Automatically notify support

### User Action

Complete the following steps:

1. Remove FPC and check if embedded USB key is installed.
2. If not installed, install Lenovo USB key shipped with FPC.
3. If installed, reseal FPC one time. Replace the USB key if problem persists.
4. Replace FPC if problem persists after USB key is replaced.

- **CD : Node\_Reseat\_FPC**

When node BMC was not responsive for at least 7 minutes, failsafe is triggered. Node was resealed to recover BMC function.

### Severity

Critical

### Serviceable

## Automatically notify support

### User Action

Complete the following steps:

1. Reseat node one time. If node bmc heartbeat is not blinking, replace the node.

- **CE : Hi\_PCI\_NOACSTIC**

Acoustic mode is disabled due to high power or thermal demanding PCI card is installed on nodes.

### Severity

Warning

### Serviceable

## Automatically notify support

### User Action

1. No user action needed.

- **CF : Node %\_Hi\_PCI\_Card**

High power or thermal demanding PCI card is installed in this node. To maintain enough air flow for this node, chassis acoustic mode cannot be applied.

### Severity

Warning

### Serviceable

## Automatically notify support

### User Action

1. No user action needed.

- **D0 : Chassis\_No\_PermF1**

Power permission is denied for the whole chassis due to PSU mismatch, PSU not supported, or 1300w PSU running with 110v AC conditions.

### Severity

Warning

**Serviceable**

**Automatically notify support**

**User Action**

1. Make sure that there is no mix of PSUs, no non-supported PSU installed, nor 1300w PSUs connected to 110v AC outlet.

- **D1 : Nodes\_Power\_2Big**

Sum of all running nodes' maximum power consumption is larger than power bank provided by PSUs. System could enter overloading condition.

**Severity**

Warning

**Serviceable**

**Automatically notify support**

**User Action**

1. Make sure all power supplies power cord are properly installed. Check if AC power is stable.
2. Make sure that all power supplies are in healthy condition.
3. Make sure that the node configuration meet the power limitation of current power supply configuration.

- **D2 : Throttle\_OUT\_FPC**

All nodes throttled due to PSU unbalance or OT warning conditions.

**Severity**

Warning

**Serviceable**

**Automatically notify support**

**User Action**

1. Make sure all power supplies power cord are properly installed. Check if AC power is stable.
2. Make sure that all power supplies are in healthy condition and there is no unbalanced configuration.
3. Check event log for PS#\_OT\_Warning or PSU\_Unbalance entry. Follow the user action of found event to correct fault condition.

- **D3 : FPC\_REBOOT**

FPC was manually rebooted with hardware reset button, IPMI warm reboot command, or FPC web operation.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **D4 : USER\_RST\_DEFAULT**

FPC network related settings were manually cleared and reset to out-of-factory default with one of the following actions: 1)Press hardware reset button for more than 4s. 2)Click on the "Reset to Default" button on the FPC web 'Chassis Rear Overview' page. 3)IPMI command to FPC (ipmitool -H IP -U USERID -P PASSWORD -I lanplus raw 0x32 0xAD).

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **D5 : FPC\_POWER\_ON**

This event assertion indicates that the chassis was ac cycled, FPC was rebooted, or FPC was hot-swapped.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **D6 : PS\_0\_OUTPUT\_FAIL**

PSU failed to enter zero output mode after 3 re-tries.

**Severity**

Info

**Serviceable**

**Automatically notify support**

**User Action**

1. No user action needed.

- **E0 : LeakSnr1\_Missing**

For water cool related setup only, this event indicates that drip tray is missing from fan bay#1.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Ensure both drip trays are installed in fan bay1 and 3 of the chassis.
2. Ensure all connecting cable are plugged properly if trays are installed.

3. Replace the drip tray if the event continue to be asserted when tray is already confirmed to be installed.

- **E1 : LeakSnr2\_Missing**

For water cool related setup only, this event indicates that drip tray is missing from fan bay#3.

**Severity**

Critical

**Serviceable**

**Automatically notify support**

**User Action**

Complete the following steps:

1. Ensure both drip trays are installed in fan bay1 and 3 of the chassis.
2. Ensure all connecting cable are plugged properly if trays are installed.
3. Replace the drip tray if the event continue to be asserted when tray is already confirmed to be installed.



---

## 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 Lenovo product documentation 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:

<http://thinksystem.lenovofiles.com/help/index.jsp>

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. 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.
- If you have installed new hardware or software in your environment, check <https://static.lenovo.com/us/en/serverproven/index.shtml> to make sure that the hardware and software are supported by your product.
- Go to <http://datacentersupport.lenovo.com> and check for information to help you solve the problem.
  - Check the Lenovo forums 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)
- 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 “Downloading service data” section in the XCC documentation version compatible with your server at [https://sysmgt.lenovofiles.com/help/topic/lxcc\\_frontend/lxcc\\_overview.html](https://sysmgt.lenovofiles.com/help/topic/lxcc_frontend/lxcc_overview.html).
- For more information about using the CLI to collect service data, see the “ffdc command” section in the XCC documentation version compatible with your server at [https://sysmgt.lenovofiles.com/help/topic/lxcc\\_frontend/lxcc\\_overview.html](https://sysmgt.lenovofiles.com/help/topic/lxcc_frontend/lxcc_overview.html).

- **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 Center.

You can find more information about setting up automatic problem notification within the Lenovo XClarity Administrator at [http://sysmgt.lenovofiles.com/help/topic/com.lenovo.lxca.doc/admin\\_setupcallhome.html](http://sysmgt.lenovofiles.com/help/topic/com.lenovo.lxca.doc/admin_setupcallhome.html).

- **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 [http://sysmgmt.lenovofiles.com/help/topic/toolsctr\\_cli\\_lenovo/onecli\\_r\\_getinfor\\_command.html](http://sysmgmt.lenovofiles.com/help/topic/toolsctr_cli_lenovo/onecli_r_getinfor_command.html).

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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/supportphonenumberlist> for your region support details.



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