Lenovo

ThinkSystem SD520 V4
Messages and Codes Reference

Machine Types: 7DFY, 7DFZ, 7DG0, and 7DG1

Note

Before using this information and the product it supports, be sure to read and understand the safety information and the safety instructions, which are available at:
https://pubs.lenovo.com/safety_documentation/

In addition, be sure that you are familiar with the terms and conditions of the Lenovo warranty for your server, which can be found at:
http://datacentersupport.lenovo.com/warrantylookup

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Contents

Chapter 1. Messages

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

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

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

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

Important:

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

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:

`FQX`*ppnnxxxxc*

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, lrim (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.

Chapter 2. XClarity Controller events

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

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

Example:

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

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

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

For each event code, the following fields are displayed:

Event identifier
An identifier that uniquely identifies an event.

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

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

Explanation
Provides additional information to explain why the event occurred.

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

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

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

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

Serviceable
Specifies whether user action is required to correct the problem.

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

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

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

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

For more information about enabling Call Home from Lenovo XClarity Administrator, see https://pubs.lenovo.com/lxca/admin_setupcallhome. 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.

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
FQXSPEM0008N	The System [ComputerSystemElementName] has encountered a system hardware fault.
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
FQXSPIO0001L	The connector [PhysicalConnectorElementName] has encountered a configuration error.
FQXSPIO0011N	An Uncorrectable Error has occurred on [SensorElementName].
FQXSPIO0015M	Fault in slot [PhysicalConnectorSystemElementName] on system [ComputerSystemElementName].
FQXSPPW0002L	Power supply [arg1] in the enclosure (MTM-SN: [arg2])has failed.
FQXSPPW0003L	Power supply [arg1] in the enclosure (MTM-SN: [arg2])has failed.
FQXSPPW0013L	[PowerSupplyElementName] has Failed.
FQXSPPW0035M	Numeric sensor [NumericSensorElementName] going low (lower critical) has asserted.
FQXSPPW0047M	Numeric sensor [NumericSensorElementName] going high (upper critical) has asserted.
FQXSPSD0001L	Drive [arg1] in the enclosure(MTM-SN: [arg2]) has been disabled due to a detected fault.
FQXSPSD0002G	Failure Predicted on drive [arg1] in the enclosure (MTM-SN: [arg2]).
FQXSPSD0002L	Drive [arg1] in the enclosure(MTM-SN: [arg2]) has been disabled due to a detected fault.
FQXSPSD0003G	Failure Predicted on drive [arg1] in the enclosure (MTM-SN: [arg2]).
FQXSPSD0006L	Array failed on drive [arg1] in the enclosure (MTM-S/N: [arg2]).
FQXSPSD0008L	Array failed on drive [arg1] in the enclosure (MTM-S/N: [arg2]).
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 (Information, Error, and Warning).

Table 2. Events organized by severity

Event ID	Message String	Severity
FQXSPBR4000I	Management Controller [arg1]: Configuration restored from a file by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPBR4002I	Management Controller [arg1] Reset was caused by restoring default values.	Informational
FQXSPBR4004I	Server timeouts set by user [arg1]: EnableOSWatchdog=[arg2], OSWatchdogTimout=[arg3], EnableLoaderWatchdog=[arg4], LoaderTimeout=[arg5] from [arg6] at IP address [arg7].	Informational
FQXSPBR4005I	Management Controller [arg1]: Configuration saved to a file by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPBR4006I	Management Controller [arg1]: Configuration restoration from a file by user [arg2] completed from [arg3] at IP address [arg4].	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPBR4009I	Management Controller [arg1]: cloning configuration from neighbor server [arg2] by group name [arg3].	Informational
FQXSPBR400AI	Management Controller [arg1]: cloning configuration from neighbor server [arg2] by group name [arg3] completed.	Informational
FQXSPBR400BI	Management Controller [arg1]: cloning configuration from neighbor server [arg2] by group name [arg3] failed to complete.	Informational
FQXSPBR400CI	Management Controller [arg1]: cloning configuration from neighbor server [arg2] by group name [arg3] failed to start.	Informational
FQXSPBR400DI	Neighbor group clone configuration was initiated by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPBR400EI	Neighbor group firmware update was initiated by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPBR400FI	The neighbor group management is [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPCA0012I	Fan mismatch is recovered.	Informational
FQXSPCA0013I	PCIe [SensorName] overtemperature has transitioned to normal state.	Informational
FQXSPCA2000I	Fan [NumericSensorName] going low (lower non-critical) has deasserted.	Informational
FQXSPCA2002I	Fan [NumericSensorName] going low (lower critical) has deasserted.	Informational
FQXSPCA2007I	Ambient temperature going high (upper non-critical) has deasserted.	Informational
FQXSPCA2009I	Ambient temperature going high (upper critical) has deasserted.	Informational
FQXSPCA2011I	Ambient temperature going high (upper non-recoverable) has deasserted.	Informational
FQXSPCA2016I	Fan Mismatch has transitioned to a less severe state from critical.	Informational
FQXSPCA2017I	PCIe [SensorName] overtemperature has transitioned to a less severe state from critical.	Informational
FQXSPCA2019I	PCIe [SensorName] overtemperature has deasserted the transition to non-recoverable from a less severe state.	Informational
FQXSPCA2042I	Liquid leak detector for [DeviceType] is recovered.	Informational
FQXSPCA2046I	DIMM [DIMMId] temperature going high (upper non-critical) has deasserted.	Informational
FQXSPCA2047I	DIMM [DIMMId] temperature going high (upper critical) has deasserted.	Informational
FQXSPCA2048I	DIMM [DIMMId] temperature going high (upper non-recoverable) has deasserted.	Informational
FQXSPCA2049I	Pump tach [pumpFanIndex] going high (upper non-critical) has deasserted.	Informational
FQXSPCA2050I	Pump tach [pumpFanIndex] going high (upper critical) has deasserted.	Informational
FQXSPCA2051I	Pump tach [pumpFanIndex] going high (upper non-recoverable) has deasserted.	Informational
FQXSPCA2052I	Pump tach [pumpFanIndex] going low (lower critical) has deasserted.	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPCN4000I	Serial Redirection set by user [arg1]: Mode=[arg2], BaudRate=[arg3], StopBits=[arg4], Parity=[arg5], SessionTerminateSequence=[arg6] from [arg7] at IP address [arg8].	Informational
FQXSPCN4002I	User [arg1] has terminated an active CLI console session from [arg2] at IP address [arg3].	Informational
FQXSPCN4004I	User [arg1] has created an active [arg2] console session from [arg3] at IP address [arg4].	Informational
FQXSPCN4005I	A [arg1] console session is timeout.	Informational
FQXSPCN4006I	User [arg1] has terminated an active IPMI console session from [arg2] at IP address [arg3].	Informational
FQXSPDM4000I	Inventory data changed for device [arg1], new device data hash= [arg2], new master data hash=[arg3].	Informational
FQXSPDM4003I	TKLM servers set by user [arg1]: TKLMServer1=[arg2] Port=[arg3], TKLMServer2=[arg4] Port=[arg5], TKLMServer3=[arg6] Port=[arg7], TKLMServer4=[arg8] Port=[arg9] from [arg10] at IP address [arg11].	Informational
FQXSPDM4004I	TKLM servers device group set by user [arg1]: TKLMServerDeviceGroup=[arg2] from [arg3] at IP address [arg4].	Informational
FQXSPDM4005I	User [arg1] has generated a new encryption key pair and installed a self-signed certificate for the TKLM client from [arg2] at IP address [arg3].	Informational
FQXSPDM4006I	User [arg1] has generated a new encryption key and certificate signing request for the TKLM client from [arg2] at IP address [arg3].	Informational
FQXSPDM4007I	User [arg1] has imported a signed certificate for the TKLM client from [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPDM4008I	User [arg1] has imported a server certificate for the TKLM server from [arg2] at IP address [arg3].	Informational
FQXSPDM4009I	User [arg1] has [arg2] file [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPDM4010I	Inventory data collecting and processing complete for [arg1], sequence number is [arg2].	Informational
FQXSPDM4011I	EKMS server protocol set by user [arg1]: TKLMServerProtocol=[arg2] from [arg3] at IP address [arg4].	Informational
FQXSPDM4012I	User [arg1] has changed the polling configuration for the key management server: Polling enabled=[arg2], interval=[arg3].	Informational
FQXSPDM4013I	User [arg1] has changed the caching configuration for the key management server: Caching enabled=[arg2], timeout=[arg3].	Informational
FQXSPEA2003I	Link up is detected on port [[1]] of the PCIe device [[2]] in slot [[3]].	Informational
FQXSPEM0003I	The Log [RecordLogName] has been cleared.	Informational
FQXSPEM0004I	The Log [RecordLogName] is full.	Informational
FQXSPEM0005I	The Log [RecordLogName] is almost full.	Informational
FQXSPEM2004I	The Log [RecordLogName] is no longer full.	Informational
FQXSPEM4000I	The [arg1] on system [arg2] cleared by user [arg3] from [arg4] at IP address [arg5].	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPEM4003I	LED [arg1] state changed to [arg2] by [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPEM4004I	SNMP [arg1] enabled by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPEM4005I	SNMP [arg1] disabled by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPEM4006I	Alert Configuration Global Event Notification set by user [arg1]: RetryLimit=[arg2], RetryInterval=[arg3], EntryInterval=[arg4] from [arg5] at IP address [arg6].	Informational
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].	Informational
FQXSPEM4008I	SNMP Traps enabled by user [arg1]: EnabledAlerts=[arg2], AllowedFilters=[arg3] from [arg4] at IP address [arg5].	Informational
FQXSPEM4009I	The UEFI Definitions have been changed.	Informational
FQXSPEM4011I	XCC failed to log previous event [arg1].	Informational
FQXSPEM4012I	User [arg1] made system [arg2] Encapsulation lite Mode from [arg3] at IP address [arg4].	Informational
FQXSPEM4028I	The port [arg1] of PCIe device [arg2] at [arg3] has link [arg4].	Informational
FQXSPEM4031I	SSD wear threshold setting is changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPEM4041I	The SmartNIC in slot [arg1] encountered boot timeout.	Informational
FQXSPEM4042I	The SmartNIC in slot [arg1] went through a crash dump.	Informational
FQXSPFC4000I	The bare metal connection process has been started.	Informational
FQXSPFC4001I	The bare metal update application reports a status of [arg1].	Informational
FQXSPFW0003I	The System [ComputerSystemName] encountered firmware progress.	Informational
FQXSPFW0004I	UEFI advanced memory test is running.	Informational
FQXSPFW0005I	UEFI advanced memory test is completed.	Informational
FQXSPFW0006I	UEFI advanced memory test is interrupted.	Informational
FQXSPFW0007I	UEFI advanced memory test encountered a hang.	Informational
FQXSPFW2001I	The System [ComputerSystemName] has detected a POST Error deassertion - firmware(BIOS) ROM corruption detected.	Informational
FQXSPIO0000I	The connector [PhysicalConnectorName] has been detected as present or connected.	Informational
FQXSPIO0005N	An I/O Channel Check NMI has occurred on system [ComputerSystemName].	Informational
FQXSPIO0010I	A Correctable Bus Error has occurred on bus [BusName].	Informational
FQXSPIO0032I	Device [DeviceType] [DeviceIndex] is installed.	Informational
FQXSPIO0033I	Device [DeviceType] [DeviceIndex] is uninstalled	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPIO0034I	Connector [ConnectorName] is linked to [DeviceType] [DeviceIndex].	Informational
FQXSPIO2004I	Bus [BusName] has recovered from a bus timeout.	Informational
FQXSPIO2005I	System [ComputerSystemName] has recovered from I/O Channel Check NMI.	Informational
FQXSPIO2006I	System [ComputerSystemName] has recovered from software NMI.	Informational
FQXSPIO2010I	Bus [BusName] has recovered from a Correctable Bus Error.	Informational
FQXSPIO2011I	PCIs has recovered from an Uncorrectable Error.	Informational
FQXSPIO2013I	Bus [BusName] has recovered from a Fatal Bus Error.	Informational
FQXSPIO2014I	Bus [BusName] is no longer operating in a degraded state.	Informational
FQXSPIO2027I	Fault condition removed in M2 adapter(serial number: [SerialNumber]) on system [ComputerSystemName].	Informational
FQXSPIO2031I	Fault condition removed All PCIe devices on system [ComputerSystemName].	Informational
FQXSPMA0025I	BMC LAN failover from dedicate to shared.	Informational
FQXSPMA2010I	DIMM [DIMMId] on system [MemoryName] is no longer throttled.	Informational
FQXSPMA2012I	An Over-Temperature Condition has been removed on the dimm [DIMMId] on system [MemoryName].	Informational
FQXSPMA2025I	BMC LAN recovers back from shared to dedicate.	Informational
FQXSPMA2037I	DIMMs has recovered from an Uncorrectable Error.	Informational
FQXSPMA2039I	DIMM [DIMMID] is enabled.	Informational
FQXSPNM4000I	Management Controller [arg1] Network Initialization Complete.	Informational
FQXSPNM4001I	Ethernet Data Rate modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4002I	Ethernet Duplex setting modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4003I	Ethernet MTU setting modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4004I	Ethernet locally administered MAC address modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4005I	Ethernet interface [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPNM4006I	Hostname set to [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPNM4011I	ENET[[arg1]] DHCP-HSTN=[arg2], DN=[arg3], IP@=[arg4], SN=[arg5], GW@=[arg6], DNS1@=[arg7].	Informational
FQXSPNM4012I	ENET[[arg1]] IP-Cfg:HstName=[arg2], IP@=[arg3] ,NetMsk=[arg4], GW@=[arg5].	Informational
FQXSPNM4013I	LAN: Ethernet[[arg1]] interface is no longer active.	Informational
FQXSPNM4014I	LAN: Ethernet[[arg1]] interface is now active.	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPNM4016I	Domain name set to [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPNM4017I	Domain Source changed to [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPNM4018I	DDNS setting changed to [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPNM4019I	DDNS registration successful. The domain name is [arg1].	Informational
FQXSPNM4020I	IPv6 enabled by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPNM4021I	IPv6 disabled by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPNM4022I	IPv6 static IP configuration enabled by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPNM4023I	IPv6 DHCP enabled by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPNM4024I	IPv6 stateless auto-configuration enabled by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPNM4025I	IPv6 static IP configuration disabled by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPNM4026I	IPv6 DHCP disabled by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPNM4027I	IPv6 stateless auto-configuration disabled by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPNM4028I	ENET[[arg1]] IPv6-LinkLocal:HstName=[arg2], IP@=[arg3] ,Pref=[arg4].	Informational
FQXSPNM4029I	ENET[[arg1]] IPv6-Static:HstName=[arg2], IP@=[arg3] ,Pref=[arg4], GW@=[arg5].	Informational
FQXSPNM4030I	ENET[[arg1]] DHCPv6-HSTN=[arg2], DN=[arg3], IP@=[arg4], Pref=[arg5], DNS1@=[arg6].	Informational
FQXSPNM4031I	IPv6 static address of network interface modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4034I	SSH port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4035I	Web-HTTP port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4036I	Web-HTTPS port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4039I	SNMP Agent port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4040I	SNMP Traps port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4041I	Syslog port number changed from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4042I	Remote Presence port number 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
FQXSPNM4043I	SMTP Server set by user [arg1] to [arg2]:[arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4045I	DNS servers set by user [arg1]: UseAdditionalServers=[arg2], PreferredDNStype=[arg3], IPv4Server1=[arg4], IPv4Server2=[arg5], IPv4Server3=[arg6], IPv6Server1=[arg7], IPv6Server2=[arg8], IPv6Server3=[arg9] from [arg10] at IP address [arg11].	Informational
FQXSPNM4046I	LAN over USB [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPNM4047I	LAN over USB Port Forwarding set by user [arg1]: ExternalPort=[arg2], USB-LAN port=[arg3] from [arg4] at IP address [arg5].	Informational
FQXSPNM4048I	PXE boot requested by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPNM4049I	User [arg1] has initiated a TKLM Server Connection Test to check connectivity to server [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPNM4051I	User [arg1] has set the SMTP Server reverse-path to [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPNM4053I	DNS discovery of Lenovo XClarity Administrator has been [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPNM4054I	The hostname from DHCP is [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPNM4055I	The hostname from DHCP is invalid.	Informational
FQXSPNM4056I	The NTP server address [arg1] is invalid.	Informational
FQXSPNM4057I	Security: IP address: [arg1] had [arg2] login failures, it will be blocked to access for [arg3] minutes.	Informational
FQXSPNM4058I	IP address of network interface [arg1] is modified from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6].	Informational
FQXSPNM4059I	IP subnet mask of network interface [arg1] is modified from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6].	Informational
FQXSPNM4060I	IP address of default gateway of network interface [arg1] is modified from [arg2] to [arg3] by user [arg4] from [arg5] at IP address [arg6].	Informational
FQXSPOS4000I	OS Watchdog response [arg1] by [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPOS4001I	Watchdog [arg1] Screen Capture Occurred.	Informational
FQXSPOS4004I	Operating System status has changed to [arg1].	Informational
FQXSPOS4005I	Host Power-On password changed by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPOS4006I	Host Power-On password cleared by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPOS4007I	Host Admin password changed by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPOS4008I	Host Admin password cleared by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPOS4009I	OS Crash Video Captured.	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPOS4011I	OS failure screen capture with hardware error is [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPOS4012I	POST watchdog Screen Capture Occurred.	Informational
FQXSPPP4000I	Attempting to [arg1] server [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPPP4001I	Server Power Off Delay set to [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPPP4002I	Server [arg1] scheduled for [arg2] at [arg3] by user [arg4] from [arg5] at IP address [arg6].	Informational
FQXSPPP4003I	Server [arg1] scheduled for every [arg2] at [arg3] by user [arg4] from [arg5] at IP address [arg6].	Informational
FQXSPPP4004I	Server [arg1] [arg2] cleared by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPPP4005I	The power cap value changed from [arg1] watts to [arg2] watts by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPPP4011I	Power capping was activated by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPPP4012I	Power capping was deactivated by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPPP4020I	The measured power value has returned below the power cap value.	Informational
FQXSPPP4022I	The server was restarted for an unknown reason.	Informational
FQXSPPP4023I	The server is restarted by chassis control command.	Informational
FQXSPPP4024I	The server was reset via push button.	Informational
FQXSPPP4025I	The server was powered-up via power push button.	Informational
FQXSPPP4026I	The server was restarted when the watchdog expired.	Informational
FQXSPPP4027I	The server was restarted for OEM reason.	Informational
FQXSPPP4028I	The server was automatically powered on because the power restore policy is set to always on.	Informational
FQXSPPP4029I	The server was automatically powered on because the power restore policy is set to restore previous power state.	Informational
FQXSPPP4030I	The server was reset via Platform Event Filter.	Informational
FQXSPPP4031I	The server was power-cycled via Platform Event Filter.	Informational
FQXSPPP4032I	The server was soft reset.	Informational
FQXSPPP4033I	The server was powered up via Real Time Clock (scheduled power on).	Informational
FQXSPPP4034I	The server was powered off for an unknown reason.	Informational
FQXSPPP4035I	The server was powered off by chassis control command.	Informational
FQXSPPP4036I	The server was powered off via push button.	Informational
FQXSPPP4037I	The server was powered off when the watchdog expired.	Informational

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
FQXSPPP4044I	Management Controller [arg1] reset was initiated by CMM.	Informational
FQXSPPP4047I	Management Controller [arg1] reset was initiated by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPPP4048I	Attempting to AC power cycle server [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPPP4049I	Management Controller [arg1] reset was initiated by Front Panel.	Informational
FQXSPPP4050I	Management Controller [arg1] reset was initiated to activate PFR Firmware.	Informational
FQXSPPP4054I	Unbalanced PSU config is detected, system is using less node PSU capacity.	Informational
FQXSPPR0000I	[BackplaneName] detected as present.	Informational
FQXSPPR0003I	Front Panel detected as present.	Informational
FQXSPPR0004I	TPM modul detected as present.	Informational
FQXSPPR2001I	[BackplaneName] detected as absent.	Informational
FQXSPPR2003I	Front Panel detected as absent.	Informational
FQXSPPR2004I	TPM modul detected as absent.	Informational
FQXSPPU2001I	An Over-Temperature Condition has been removed on Processor [ProcessorId].	Informational
FQXSPPU2002I	The Processor [ProcessorId] is no longer operating in a Degraded State.	Informational
FQXSPPU2007I	The System [ComputerSystemName] has detected a POST Error deassertion - CPU voltage mismatch.	Informational
FQXSPPU2009I	Processor [ProcessorId] has Recovered from a Configuration Mismatch.	Informational
FQXSPPU2015I	CPU feature mismatch is recoverd.	Informational
FQXSPPU2016I	CPUs has recovered from an Uncorrectable Error.	Informational
FQXSPPU2017I	Processor [ProcessorId] has recovered from a hard fault.	Informational
FQXSPPW0001I	Power supply [PowerSupplyId] has been added.	Informational
FQXSPPW0004I	The input to power supply [PowerSupplyId] has been lost or fallen out of range.	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPPW0005I	Power supply [PowerSupplyId] is operating in an Input State that is out of range.	Informational
FQXSPPW0008I	Host power has been turned off.	Informational
FQXSPPW0009I	Host power has been Power Cycled.	Informational
FQXSPPW0011I	Host power has lost power.	Informational
FQXSPPW0054I	PSU Mismatch has transitioned to normal state.	Informational
FQXSPPW0055I	SysBrd voltage fault has transitioned to normal state.	Informational
FQXSPPW0091I	Redundancy Power Resource has been restored.	Informational
FQXSPPW0129I	PSU [SensorName] failure has transitioned to normal state.	Informational
FQXSPPW0130I	PSU [SensorName] prediction fault failure has transitioned to normal state.	Informational
FQXSPPW0131I	PSU [SensorName] input failure has transitioned to normal state.	Informational
FQXSPPW2001I	Power supply [PowerSupplyId] has been removed.	Informational
FQXSPPW2002I	Power supply [PowerSupplyId] has returned to OK status.	Informational
FQXSPPW2003I	Failure no longer predicted on power supply [PowerSupplyId].	Informational
FQXSPPW2004I	Power supply [PowerSupplyId] has returned to a Normal Input State.	Informational
FQXSPPW2005I	Power supply [PowerSupplyId] has returned to a Normal Input State.	Informational
FQXSPPW2006I	Power supply [PowerSupplyId] has returned to a Normal Input State.	Informational
FQXSPPW2007I	Power supply [PowerSupplyId] Configuration is OK.	Informational
FQXSPPW2008I	Host power has been turned on.	Informational
FQXSPPW2011I	Host power power was restored.	Informational
FQXSPPW2015I	Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber])has returned to OK status.	Informational
FQXSPPW2017I	Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber])has returned to a normal input state.	Informational
FQXSPPW2031I	CMOS battery voltage going low (lower non-critical) has deasserted.	Informational
FQXSPPW2035I	[SysBrdVol] going low (lower critical) has deasserted.	Informational
FQXSPPW2047I	[SysBrdVol] going high (upper critical) has deasserted.	Informational
FQXSPPW2057I	PSU [SensorName] prediction fault failure has deasserted the transition from normal to non-critical state.	Informational
FQXSPPW2061I	PSU [SensorName] failure has transitioned to a less severe state from critical.	Informational
FQXSPPW2062I	PSU Mismatch has transitioned to a less severe state from critical.	Informational
FQXSPPW2063I	SysBrd voltage fault has transitioned to a less severe state from critical.	Informational
FQXSPPW2101I	Redundancy Degraded for Power Resource has deasserted.	Informational
FQXSPPW2104I	Non-redundant:Sufficient Resources from Redundancy Degraded or Fully Redundant for Power Resource has deasserted.	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPPW2110I	Non-redundant:Insufficient Resources for Power Resource has deasserted.	Informational
FQXSPPW2123I	PSU [SensorName] input failure has transitioned to a less severe state from critical.	Informational
FQXSPSD0000I	The [DriveName] has been added.	Informational
FQXSPSD0003I	Hot Spare enabled with drive [DriveLocation].	Informational
FQXSPSD0005I	Hot Spare enabled for drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]).	Informational
FQXSPSD0007I	The [DriveName] is rebuilding.	Informational
FQXSPSD0008I	Array rebuild in progress on drive [DriveLocation] in the enclosure/ chassis (MTM-S/N: [MachineSerialNumber]).	Informational
FQXSPSD2000I	The [DriveName] has been removed from unit [PhysicalPackageName].	Informational
FQXSPSD2001I	The [DriveName] has recovered from a fault.	Informational
FQXSPSD2002I	Failure no longer Predicted on [DriveName].	Informational
FQXSPSD2003I	Hot Spare disabled with drive [DriveLocation].	Informational
FQXSPSD2007I	Rebuild completed on [DriveName].	Informational
FQXSPSD2008I	Drive [DriveLocation] in the enclosure/chassis(MTM-SN: [MachineSerialNumber]) has recovered from a fault.	Informational
FQXSPSD2011I	Failure no longer Predicted on drive [DriveLocation] in the enclosure/ chassis (MTM-S/N: [MachineSerialNumber]).	Informational
FQXSPSD2012I	Hot Spare disabled for drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]).	Informational
FQXSPSD2015I	Array rebuild completed on drive [DriveLocation] in the enclosure/ chassis (MTM-S/N: [MachineSerialNumber]).	Informational
FQXSPSE2000I	The Chassis [ComputerSystemName] was closed.	Informational
FQXSPSE2010I	System guard changed to compliant status.	Informational
FQXSPSE4001I	Remote Login Successful. Login ID: [arg1] using [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSE4002I	Security: Userid: [arg1] using [arg2] had [arg3] login failures from WEB client at IP address [arg4].	Informational
FQXSPSE4003I	Security: Login ID: [arg1] had [arg2] login failures from CLI at [arg3].	Informational
FQXSPSE4004I	Remote access attempt failed. Invalid userid or password received. Userid is [arg1] from WEB browser at IP address [arg2].	Informational
FQXSPSE4007I	Security: Userid: [arg1] using [arg2] had [arg3] login failures from an SSH client at IP address [arg4].	Informational
FQXSPSE4008I	SNMPv1 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4], Address=[arg5] from [arg6] at IP address [arg7].	Informational
FQXSPSE4009I	LDAP Server configuration set by user [arg1]: SelectionMethod= [arg2], DomainName=[arg3], Server1=[arg4], Server2=[arg5], Server3= [arg6], Server4=[arg7] from [arg8] at IP address [arg9].	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPSE4010I	LDAP set by user [arg1]: RootDN=[arg2], UIDSearchAttribute=[arg3], BindingMethod=[arg4], EnhancedRBS=[arg5], TargetName=[arg6], GroupFilter=[arg7], GroupAttribute=[arg8], LoginAttribute=[arg9] from [arg10] at IP address [arg11].	Informational
FQXSPSE4011I	Secure Web services (HTTPS) [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSE4013I	Secure LDAP [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSE4014I	SSH [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSE4015I	Global Login General Settings set by user [arg1]: AuthenticationMethod=[arg2], LockoutPeriod=[arg3], SessionTimeout=[arg4] from [arg5] at IP address [arg6].	Informational
FQXSPSE4016I	Global Login Account Security set by user [arg1]: PasswordRequired=[arg2], PasswordExpirationPeriod=[arg3], MinimumPasswordReuseCycle=[arg4], MinimumPasswordLength=[arg5], MinimumPasswordChangeInterval=[arg6], MaxmumLoginFailures=[arg7], LockoutAfterMaxFailures=[arg8] from [arg9] at IP address [arg10].	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
FQXSPSE4028I	Security: Userid: [arg1] had [arg2] login failures from IPMI client at IP address [arg3].	Informational
FQXSPSE4029I	Security: Userid: [arg1] had [arg2] login failures from SNMP client at IP address [arg3].	Informational
FQXSPSE4032I	Login ID: [arg1] from [arg2] at IP address [arg3] has logged off.	Informational
FQXSPSE4034I	User [arg1] has removed a certificate from [arg2] at IP address [arg3].	Informational
FQXSPSE4035I	A certificate has been revoked.	Informational
FQXSPSE4036I	The [arg1] certificate is expired and has been removed.	Informational
FQXSPSE4038I	Minimum TLS level modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPSE4039I	Temporary user account [arg1] is created by inband tool.	Informational
FQXSPSE4040I	Temporary user account [arg1] expires.	Informational
FQXSPSE4042I	The third-party password function [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSE4043I	Retrieving the third-party password [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
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] from [arg13] at IP address [arg14].	Informational
FQXSPSE4048I	Role [arg1] is removed by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSE4049I	Role [arg1] is assigned to user [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPSE4050I	[arg1] sent IPMI command from [arg2], raw data: [arg3][arg4][arg5].	Informational
FQXSPSE4051I	Management Controller [arg1] joined the neighbor group [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPSE4052I	The password of neighbor group [arg1] is modified by [arg2] [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPSE4053I	Management Controller [arg1] left the neighbor group [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPSE4054I	IPMI SEL wrapping mode is [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSE4055I	SED encryption is enabled by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPSE4056I	SED AK is [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSE4057I	User [arg1] created by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSE4058I	User [arg1] removed by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSE4059I	User [arg1] password modified by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSE4060I	User [arg1] role set to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPSE4061I	User [arg1] custom privileges set: [arg2][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

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
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] from [arg9] at IP address [arg10].	Informational
FQXSPSE4074I	Security mode downgrades because the XCC2 Platinum Upgrade key is expired or deleted.	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 [arg3].	Informational
FQXSPSE4081I	BMC returns the valid local cached key to UEFI for SED drives.	Informational
FQXSPSE4082I	Remote key management server is unaccessable.	Informational
FQXSPSE4083I	The local cached key has expired and destroyed it.	Informational
FQXSPSE4084I	Periodic connection to remote key management server succeeded.	Informational
FQXSPSE4085I	Periodic connection to remote key management server failed.	Informational
FQXSPSE4091I	SNMPv2 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4], Address=[arg5].	Informational
FQXSPSE4092I	SNMPv1 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4].	Informational
FQXSPSE4093I	SNMPv1 [arg1] set by user [arg2]: address=[arg3].	Informational
FQXSPSE4094I	SNMPv2 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4].	Informational
FQXSPSE4095I	SNMPv2 [arg1] set by user [arg2]: address=[arg3].	Informational
FQXSPSE4129I	Security: Userid: [arg1] failed to login from SNMP client at IP address [arg2].	Informational
FQXSPSS4000I	Management Controller Test Alert Generated by [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPSS4001I	Server General Settings set by user [arg1]: Name=[arg2], Contact=[arg3], Location=[arg4], Room=[arg5], RackID=[arg6], Rack U-position=[arg7], Address=[arg8] from [arg9] at IP address [arg10].	Informational
FQXSPSS4002I	License key for [arg1] added by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSS4003I	License key for [arg1] removed by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSS4004I	Test Call Home Generated by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPSS4006I	Call Home to [arg1] failed to complete: [arg2].	Informational
FQXSPSS4007I	The BMC functionality tier is changed from [arg1] to [arg2].	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPSS4008I	The [arg1] setting has been changed to [arg2] by user [arg3] from [arg4] at IP address [arg5].	Informational
FQXSPSS4009I	System enters LXPM maintenance mode.	Informational
FQXSPSS4010I	Test Audit Log generated by user [arg1] from [arg2] at IP address [arg3].	Informational
FQXSPSS4011I	Fan speed boost setting is changed from [arg1] to [arg2].	Informational
FQXSPTR4001I	Date and Time set by user [arg1]: Date=[arg2], Time-[arg3], DST Auto-adjust=[arg4], Timezone=[arg5] from [arg6] at IP address [arg7].	Informational
FQXSPTR4002I	Synchronize time setting by user [arg1]: Mode=Sync with NTP Server, NTPServerHost1=[arg2]:[arg3],NTPServerHost2=[arg4]:[arg5], NTPServerHost3=[arg6]:[arg7],NTPServerHost4=[arg8]:[arg9], NTPUpdateFrequency=[arg10] from [arg11] at IP address [arg12].	Informational
FQXSPTR4003I	Synchronize time setting by user [arg1]: Mode=Sync with server clock from [arg2] at IP address [arg3].	Informational
FQXSPUN0026I	Low Security Jumper is enabled.	Informational
FQXSPUN0048I	The RAID controller in PCI slot [PCILocation] in optimal status.	Informational
FQXSPUN0057I	The RAID controller in PCI slot [PCILocation] does not have a battery.	Informational
FQXSPUN0061I	System Maintenance Mode has asserted.	Informational
FQXSPUN0062I	SMI Timeout has asserted.	Informational
FQXSPUN0063I	PSU heavy load has asserted.	Informational
FQXSPUN2012I	BMC firmware corrupted has deasserted.	Informational
FQXSPUN2026I	Low Security Jumper is disabled.	Informational
FQXSPUN2049I	The RAID controller in PCI slot [PCILocation] is no longer in warning status.	Informational
FQXSPUN2050I	The RAID controller in PCI slot [PCILocation] is no longer in critical status.	Informational
FQXSPUN2057I	The RAID controller in PCI slot [PCILocation] has a battery now.	Informational
FQXSPUN2058I	The remaining life for all SSDs is above threshold [ThresholdValue].	Informational
FQXSPUN2061I	System Maintenance Mode has deasserted.	Informational
FQXSPUN2062I	SMI Timeout has deasserted.	Informational
FQXSPUN2063I	PSU heavy load has deasserted.	Informational
FQXSPUN2065I	UEFI firmware is automatically recovered from authentication failure.	Informational
FQXSPUN2067I	UEFI firmware is manually recovered from authentication failure.	Informational
FQXSPUN2068I	Drive Mismatch has transitioned to a less severe state from critical.	Informational
FQXSPUP0002I	A firmware or software change occurred on system [ComputerSystemName].	Informational
FQXSPUP4006I	Auto promote primary XCC to backup is [arg1] by user [arg2] from [arg3] at IP address [arg4].	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
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 [WatchdogName].	Informational
FQXSPWD0001I	Reboot of system [ComputerSystemName] initiated by watchdog [WatchdogName].	Informational
FQXSPWD0002I	Powering off system [ComputerSystemName] initiated by watchdog [WatchdogName].	Informational
FQXSPWD0003I	Power cycle of system [ComputerSystemName] initiated by watchdog [WatchdogName].	Informational
FQXSPWD0004I	Watchdog Timer interrupt occurred for [WatchdogName].	Informational
FQXSPCA0000J	Fan [NumericSensorName] going low (lower non-critical) has asserted.	Warning
FQXSPCA0007J	Ambient temperature going high (upper non-critical) has asserted.	Warning
FQXSPCA0046J	DIMM [DIMMId] temperature going high (upper non-critical) has asserted.	Warning
FQXSPCA0049J	Pump tach [pumpFanIndex] going high (upper non-critical) has asserted.	Warning
FQXSPCP0001G	Device [DeviceName] mismatch with the system.	Warning
FQXSPEA0003J	Link down is detected on port [PCIPortNumber] of the PCIe device [PCIDeviceName].	Warning
FQXSPEM4043I	A [arg1] failure has been detected and need [arg2] to recover.	Warning
FQXSPIO0014J	Bus [BusName] is operating in a degraded state.	Warning
FQXSPIO0035G	[DeviceName] is installed in wrong location.	Warning
FQXSPIO0036G	Signal cable and power cable are misconnected for [DeviceName]. Should connect signal cable [RiserOrBPConnectorName1] to [MCIOorMXIOConnectName1], [RiserOrBPConnectorName2] to [MCIOorMXIOConnectName2].	Warning
FQXSPIO0037G	Signal cable and power cable are misconnected for [DeviceName]. Should connect signal cable [MCIOorMXIOConnectName].	Warning
FQXSPIO2000J	The connector [PhysicalConnectorName] has been disconnected.	Warning
FQXSPMA0010J	DIMM [DIMMId] on system [MemoryName] is throttled.	Warning
FQXSPMA0039G	DIMM [DIMMID] is disabled.	Warning
FQXSPNM4010I	DHCP[[arg1]] failure, no IP address assigned.	Warning
FQXSPPP4009I	The measured power value exceeded the power cap value.	Warning
FQXSPPU0002G	Processor [ProcessorId] is operating in a Degraded State.	Warning
FQXSPPU0010G	Processor [ProcessorId] is operating in a Degraded State due to [ElementSource].	Warning

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPPU0015G	CPU feature mismatch is detected.	Warning
FQXSPPW0003G	Failure predicted on power supply [PowerSupplyId].	Warning
FQXSPPW0006I	Power supply [PowerSupplyId] has lost input.	Warning
FQXSPPW0007I	Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber])has lost input.	Warning
FQXSPPW0031J	CMOS battery voltage going low (lower non-critical) has asserted.	Warning
FQXSPPW0057J	PSU [SensorName] prediction fault failure has transitioned from normal to non-critical state.	Warning
FQXSPPW0101J	Redundancy Degraded for Power Resource has asserted.	Warning
FQXSPPW0104J	Non-redundant:Sufficient Resources from Redundancy Degraded or Fully Redundant for Power Resource has asserted.	Warning
FQXSPSD0002G	Failure Predicted on [DriveName].	Warning
FQXSPSD0003G	Failure Predicted on drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]).	Warning
FQXSPSE0000F	The Chassis [ComputerSystemName] was opened.	Warning
FQXSPSE0010J	System Guard detected inventory mismatch with trusted snapshot.	Warning
FQXSPSE4006I	XCC detected an invalid SSL certificate in the Management Controller [arg1].	Warning
FQXSPSS0012G	[System] cannot detect [DeviceName].	Warning
FQXSPUN0009G	BMC firmware corruption is detected.	Warning
FQXSPUN0049J	The RAID controller in PCIe slot [PCILocation] is in warning status. At least one physical drive is in unconfigured bad state.	Warning
FQXSPUN0051J	The RAID controller in PCIe slot [PCILocation] has asserted a warning. Foreign configuration is detected.	Warning
FQXSPUN0058J	The remaining life of [DriveName] is lower than the warning threshold ([ThresholdValue]).	Warning
FQXSPUN0059J	RoT attestation has detected a failure.	Warning
FQXSPUN0060G	RoT mismatch has asserted.	Warning
FQXSPUN0065J	UEFI firmware authentication failure is detected.	Warning
FQXSPUP0007L	BMC primary firmware is corrupted, auto fail over to backup.	Warning
FQXSPBR4003I	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	Fan [NumericSensorName] going low (lower critical) has asserted.	Error
FQXSPCA0009M	Ambient temperature going high (upper critical) has asserted.	Error
FQXSPCA0011N	Ambient temperature going high (upper non-recoverable) has asserted.	Error

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPCA0016M	Fan Mismatch has transitioned to critical from a less severe state.	Error
FQXSPCA0017M	PCIe [SensorName] overtemperature has transitioned to critical from a less severe state.	Error
FQXSPCA0019N	PCIe [SensorName] overtemperature has transitioned to non-recoverable from a less severe state.	Error
FQXSPCA0040N	Liquid is leaking from open loop [CoolingSensorName].	Error
FQXSPCA0041N	Liquid is leaking from closed loop [CoolingSensorName].	Error
FQXSPCA0042M	Liquid leak detector for [DeviceType] is faulty.	Error
FQXSPCA0047M	DIMM [DIMMId] temperature going high (upper critical) has asserted.	Error
FQXSPCA0048M	DIMM [DIMMId] temperature going high (upper non-recoverable) has asserted.	Error
FQXSPCA0050M	Pump tach [pumpFanIndex] going high (upper critical) has asserted.	Error
FQXSPCA0051N	Pump tach [pumpFanIndex] going high (upper non-recoverable) has asserted.	Error
FQXSPCA0052M	Pump tach [pumpFanIndex] going low (lower critical) has asserted.	Error
FQXSPFW0001N	Firmware BIOS (ROM) corruption was detected on system [ComputerSystemName] during POST.	Error
FQXSPIO0004L	A bus timeout has occurred on bus [BusName].	Error
FQXSPIO0006N	A software NMI has occurred on system [ComputerSystemName].	Error
FQXSPIO0011N	An Uncorrectable Error has occurred on PCIs.	Error
FQXSPIO0013N	A Fatal Bus Error has occurred on bus [BusName].	Error
FQXSPIO0027M	Fault in M2 adapter(serial number: [SerialNumber]) on system [ComputerSystemName].	Error
FQXSPIO0031M	PCIe devices have fault.	Error
FQXSPMA0012M	An Over-Temperature Condition has been detected on the DIMM [DIMMId] on system [MemoryName].	Error
FQXSPMA0130N	Memory PMIC [MemoryPMICGroup] has transitioned to non-recoverable.	Error
FQXSPOS4002I	Watchdog [arg1] Failed to Capture Screen.	Error
FQXSPOS4003I	Platform Watchdog Timer expired for [arg1].	Error
FQXSPOS4010I	OS Crash Video Capture Failed.	Error
FQXSPPU0001N	An Over-Temperature Condition has been detected on Processor [ProcessorId].	Error
FQXSPPU0007N	CPU voltage mismatch detected on [ProcessorName].	Error
FQXSPPU0009N	Processor [ProcessorId] has a Configuration Mismatch.	Error
FQXSPPU0016N	An Uncorrectable Error has occurred on CPUs.	Error
FQXSPPU0017N	A hard fault has occurred on processor [ProcessorId].	Error
FQXSPPW0002L	Power supply [PowerSupplyId] has Failed.	Error

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPPW0003L	Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber])has failed.	Error
FQXSPPW0007L	Power supply [PowerSupplyId] has a Configuration Mismatch.	Error
FQXSPPW0035M	[SysBrdVol] going low (lower critical) has asserted.	Error
FQXSPPW0047M	[SysBrdVol] going high (upper critical) has asserted.	Error
FQXSPPW0061M	PSU [SensorName] failure has transitioned to critical from a less severe state.	Error
FQXSPPW0062M	PSU mismatch has transitioned to critical from a less severe state.	Error
FQXSPPW0063M	SysBrd voltage fault has transitioned to critical from a less severe state.	Error
FQXSPPW0110M	Non-redundant:Insufficient Resources for Power Resource has asserted.	Error
FQXSPPW0123M	PSU [SensorName] input failure has transitioned to critical from a less severe state.	Error
FQXSPPW0129N	CPU [ProcessorId] [VRName] has transitioned to non-recoverable.	Error
FQXSPPW0131N	Peripheral device [DeviceName] powergood has transitioned to non-recoverable.	Error
FQXSPPW0132N	Fan [FanGroup] powergood has transitioned to non-recoverable.	Error
FQXSPPW0133N	MB AUX powergood has transitioned to non-recoverable.	Error
FQXSPSD0001L	The [DriveName] has a fault.	Error
FQXSPSD0002L	Drive [DriveLocation] in the enclosure/chassis(MTM-SN: [MachineSerialNumber]) has a fault.	Error
FQXSPSE4000I	Certificate Authority [arg1] has detected a [arg2] Certificate Error.	Error
FQXSPUN0050M	The RAID controller in PCIe slot [PCILocation] is in critical state. Volume [VolumeID] is offline.	Error
FQXSPUN0053M	The RAID controller in PCIe slot [PCILocation] is in critical status. At least one physical drive is failed.	Error
FQXSPUN0054M	The RAID controller in PCIe slot [PCILocation] is in critical status. Volume [VolumeID] is degraded.	Error
FQXSPUN0055M	The RAID controller in PCIe slot [PCILocation] is in critical state. Battery is in non-optimal state.	Error
FQXSPUN0067M	Failed to automatically recover UEFI firmware from authentication failure.	Error
FQXSPUN0068M	Drive Mismatch has transitioned to critical from a less severe state.	Error
FQXSPUN0069M	The remaining life of [DriveName] is lower than the critical threshold ([ThresholdValue]).	Error
FQXSPUP4003I	[arg1] firmware mismatch internal to system [arg2]. Please attempt to flash the [arg3] firmware.	Error
FQXSPUP4009I	Please ensure that the system is flashed with the correct [arg1] firmware. The Management Controller is unable to match the firmware to the server.	Error

List of XClarity Controller events

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

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

  This message is for the use case where a user restores a Management Controller configuration from a file.

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

- **FQXSPBR4003I: 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 BMC Ethernet-over-USB interface is enabled.
  3. Reinstall the RNDIS or cdc_ether device driver for the operating system.
  4. Disable the watchdog.
  5. Check the integrity of the installed operating system.
  6. If the problem persists, collect service data log.

7. Contact Lenovo Support.

- **FQXSPBR4004I: Server timeouts set by user [arg1]: EnableOSWatchdog=[arg2], OSWatchdogTimout=[arg3], EnableLoaderWatchdog=[arg4], LoaderTimeout=[arg5] from [arg6] at IP address [arg7].**

  A user configures Server Timeouts.

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

  User Action:

  Information only; no action is required.

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

  A user saves a Management Controller configuration to a file.

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0137

User Action:

Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

  This message is for the use case where a user synchronizes a Management Controller configuration by Federation.

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

  User Action:

  Information only; no action is required.

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

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

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

User Action:

Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0258

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

Information only; no action is required.

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

  This message is for the user started a Federation update.

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

  User Action:

  Information only; no action is required.

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

  Neighbor group management is enabled or disabled by user.

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

  User Action:

  Information only; no action is required.

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

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

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Warning - Fan
  SNMP Trap ID: 165
  CIM Prefix: PLAT CIM ID: 0476

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

  Severity: Error
  Serviceable: Yes

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

User Action:

Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Information only; no action is required.

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

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

- **FQXSPCA0016M: Fan Mismatch 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 - Fan Failure
SNMP Trap ID: 11
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Check the XCC event log for any fan or cooling related issues and address them first.

2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed and are in place.
3. Make sure that the room temperature is within operating specifications.
4. Upgrade all system and chassis (if applicable) firmware to the latest level.

   Note: If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.
5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Other
  SNMP Trap ID: 50
  CIM Prefix: PLAT CIM ID: 0867

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

User Action:

Complete the following steps until the problem is solved:

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

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

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

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

User Action:

Complete the following steps until the problem is solved:

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

   Note: If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.
5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

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

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

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

User Action:

Complete the following steps until the problem is solved:

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

   Note: If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.
5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

     Note: If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.
  5. If the problem persists, collect service data log.
  6. Contact Lenovo Support.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Reseat the pump.
  2. If the problem persists, collect service data log.

3. Contact Lenovo Support.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Warning - Temperature
  SNMP Trap ID: 12
  CIM Prefix: PLAT CIM ID: 0491

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case when an implementation has detected 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: PCIe [SensorName] overtemperature has deasserted the transition to non-recoverable from a less severe state.**

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

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

User Action:

Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

User Action:

Information only; no action is required.

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

  A user configured the Serial Port mode.

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

  User Action:

  Information only; no action is required.

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

  A user has terminated an active CLI console session.

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

  User Action:

  Information only; no action is required.

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

  A user has created an IPMI/CLI console session.

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

  User Action:

  Information only; no action is required.

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

  An IPMI/CLI console session is timeout.

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

User Action:

Information only; no action is required.

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

  A user has terminated an active IPMI console session.

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Reseat the affected adapter and riser card.
  2. Update the server firmware (UEFI and XCC) and adapter firmware.
  3. If the problem persists, collect service data log.
  4. Contact Lenovo Support.

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

  Something has caused the physical inventory to change.

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

  User Action:

  Information only; no action is required.

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

  A user configured the TKLM servers.

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

User Action:

Information only; no action is required.

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

  A user configured the TKLM device group.

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

User imported a signed certificate for the TKLM client.

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

User Action:

Information only; no action is required.

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

  User imported a server certificate for the TKLM Server.

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

  User Action:

  Information only; no action is required.

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

  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] from [arg3] at IP address [arg4].**

  A user configured the EKMS server protocol.

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

  User Action:

  Information only; no action is required.

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

User changed the polling configuration for the key management server.

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

User Action:

Information only; no action is required.

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

  User changed the caching configuration for the key management server.

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

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

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

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

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case where a Management Controller Event Log on a system is cleared by a user.

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

  User Action:

  Information only; no action is required.

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

  A user has modified the state of an LED.

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

  User Action:

  Information only; no action is required.

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

  A user enabled SNMPv1 or SNMPv3 or Traps.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0073

  User Action:

  Information only; no action is required.

- **FQXSPEM4005I: SNMP [arg1] disabled by user [arg2] from [arg3] at IP address [arg4].**

  A user disabled SNMPv1 or SNMPv3 or Traps.

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

  User Action:

  Information only; no action is required.

- **FQXSPEM4006I: Alert Configuration Global Event Notification set by user [arg1]: RetryLimit=[arg2], RetryInterval=[arg3], EntryInterval=[arg4] from [arg5] at IP address [arg6].**

  A user changes the Global Event Notification settings.

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

  User Action:

  Information only; no action is required.

- **FQXSPEM4007I: Alert Recipient Number [arg1] 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] from [arg4] at IP address [arg5].**

  A user enabled the SNMP Traps configuration.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0112

  User Action:

  Information only; no action is required.

- **FQXSPEM4009I: The UEFI Definitions have been changed.**

  UEFI Definitions change has been detected.

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

  User Action:

  Information only; no action is required.

- **FQXSPEM4011I: XCC failed to log previous event [arg1].**

  XCC failed to log a previous event.

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

  User Action:

  Information only; no action is required.

- **FQXSPEM4012I: User [arg1] made system [arg2] Encapsulation lite Mode from [arg3] at IP address [arg4].**

  Encapsulation lite mode status change.

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

  User Action:

  Information only; no action is required.

- **FQXSPEM4028I: The port [arg1] of PCIe device [arg2] at [arg3] has link [arg4].**

  PCI device link.

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

  User Action:

  Information only; no action is required.

- **FQXSPEM4031I: 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.

- **FQXSPEM4041I: 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.

- **FQXSPEM4042I: 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.

- **FQXSPEM4043I: 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.

- **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.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

  This message is for the use case when an implementation has detected that System Firmware Progress has occurred.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case when an implementation has detected that System Firmware Progress has occurred.

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

  User Action:

Information only; no action is required.

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

  This message is for the use case when an implementation has detected that System Firmware Progress has occurred.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case when an implementation has detected that System Firmware Progress has occurred.

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

  This message is for the use case when an implementation has detected that Post Error has deasserted.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case when an implementation has detected a Connector has been Connected.

  Severity: Info

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

User Action:

Information only; no action is required.

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

  This message is for the use case when an implementation has detected a Bus Timeout.

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Make sure that the reported device is in Lenovo server's SPP list.
  2. Make sure that all the sub-system drivers use the latest version to avoid notable issues.

3. Make sure that all the sub-system components use the latest version of firmware to avoid notable issues.
4. If the problem persists, collect service data log and OS memory dump.
5. Contact Lenovo Support.

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

  This message is for the use case when an implementation has detected a Bus Correctable Error.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case when an implementation has detected a Bus Uncorrectable Error.

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

  User Action:

  Complete the following steps until the problem is solved:

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

     Note: If the device is part of a cluster solution, verify that the latest level of code is supported by the cluster solution before the update.
  3. If the problem persists, collect service data log.
  4. Contact Lenovo Support.

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

  This message is for the use case when an implementation has detected a Bus Fatal Error.

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Check Lenovo Support (http://support.lenovo.com/) for an applicable service bulletin or firmware update for the system or adapter that applies to this error.

2. Upgrade all system firmware and chassis firmware (if applicable) to the latest level.

   Note: If the device is part of a cluster solution, verify that the latest level of code is supported by the cluster solution before the update.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

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

  This message is for the use case when an implementation has detected a Bus is Degraded.

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

  User Action:

  Complete the following steps until the problem is solved:

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

     Note: If the device is part of a cluster solution, verify that the latest level of code is supported by the cluster solution before the update.
  3. If the problem persists, collect service data log.
  4. Contact Lenovo Support.

- **FQXSPIO0027M: Fault in M2 adapter(serial number: [SerialNumber]) on system [ComputerSystemName].**

  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 M.2 adapter.
  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 by the cluster solution before the update.
  4. If the problem persists, collect service data log.
  5. Contact Lenovo Support.

- **FQXSPIO0031M: PCIe devices have fault.**

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 by the cluster solution before the update.
4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

CIM Prefix: PLAT CIM ID: 0861

User Action:

Information only; no action is required.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Reseat the affected adapter and riser card.
  2. Update the server firmware (UEFI and XCC) and adapter firmware.
  3. If the problem persists, collect service data log.
  4. Contact Lenovo Support.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Reseat the signal cable or power cable of the affected riser card.
  2. Refer to the message to connect the signal cables to the correct connectors. Refer to Cable Routing Guide for information on how to connect the cables.
  3. Update the server firmware (UEFI and XCC) and adapter firmware.
  4. If the problem persists, collect service data log.
  5. Contact Lenovo Support.

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

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

  Severity: Warning
  Serviceable: Yes

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

User Action:

Complete the following steps until the problem is solved:

1. Reseat the signal cable or power cable of the affected riser card.
2. Refer to the message to connect the signal cable to the correct connector. Refer to Cable Routing Guide for information on how to connect the cables.
3. Update the server firmware (UEFI and XCC) and adapter firmware.
4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

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

  This message is for the use case when an implementation has detected a Connector was Disconnected.

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

  This message is for the use case when an implemenation has detected that a system has recovered from a Bus Timeout.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Other
  SNMP Trap ID: 50
  CIM Prefix: PLAT CIM ID: 0225

  User Action:

  Information only; no action is required.

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

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

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

  This message is for the use case when an implementation has detected a Software NMI has been Recovered 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 [BusName] has recovered from a Correctable Bus Error.**

  This message is for the use case when an implementation has detected that a system has recovered from a Bus Correctable Error.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case when an implementation has detected a that a system has recovered from a Bus Uncorrectable Error.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Other
  SNMP Trap ID: 50
  CIM Prefix: PLAT CIM ID: 0241

  User Action:

  Information only; no action is required.

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

  This message is for the use case when an implementation has detected that a system has recovered from a Bus Fatal Error.

  Severity: Info
  Serviceable: No

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

User Action:

Information only; no action is required.

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

  This message is for the use case when an implementation has detected a Bus is No Longer Degraded.

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

  User Action:

  Information only; no action is required.

- **FQXSPIO2027I: Fault condition removed in M2 adapter(serial number: [SerialNumber]) on system [ComputerSystemName].**

  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.

- **FQXSPIO2031I: Fault condition removed All PCIe devices on system [ComputerSystemName].**

  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.

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

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

  Severity: Warning
  Serviceable: Yes

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

User Action:

Complete the following steps until the problem is solved:

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

   Note: If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.
5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

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

  This message is for the use case when an implementation has detected an Over Temperature Condition for Memory that has been Detected.

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

User Action:

Information only; no action is required.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Complete the following steps:

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

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

  This message is for the use case when an implementation has detected Memory is no longer Throttled.

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

  User Action:

Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case when an implementation has detected a that a system has recovered from a Bus Uncorrectable Error.

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

Information only; no action is required.

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

  This message is for the use case where a Management Controller network has completed initialization.

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case where A user modifies the Ethernet Port duplex setting.

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case where a user 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] from [arg3] at IP address [arg4].**

  This message is for the use case where user modifies the Hostname of a Management Controller.

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case where a Management Controller ethernet interface is no longer active.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case where a Management Controller ethernet interface is now active.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - IMM Network event

SNMP Trap ID: 37
CIM Prefix: IMM CIM ID: 0025

User Action:

Information only; no action is required.

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

  Domain name set by user.

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

  User Action:

  Information only; no action is required.

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

  Domain source changed by user.

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

  User Action:

  Information only; no action is required.

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

  DDNS setting changed by 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 registation and values.

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

User Action:

Information only; no action is required.

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

  IPv6 protocol is enabled by user.

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

  User Action:

  Information only; no action is required.

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

  IPv6 protocol is disabled by user.

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

  User Action:

  Information only; no action is required.

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

  IPv6 static address assignment method is enabled by user.

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

  User Action:

  Information only; no action is required.

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

  IPv6 DHCP assignment method is enabled by user.

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

  User Action:

Information only; no action is required.

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

  IPv6 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] from [arg2] at IP address [arg3].**

  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] from [arg2] at IP address [arg3].**

  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] from [arg2] at IP address [arg3].**

  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@=[arg6].**

  IPv6 DHCP-assigned address is active.

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

  User Action:

  Information only; no action is required.

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

  A user modifies the IPv6 static address of a Management Controller.

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

  User Action:

  Information only; no action is required.

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

  A user has modified the SSH port number.

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

  User Action:

  Information only; no action is required.

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

  A user has modified the Web HTTP port number.

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

  User Action:

  Information only; no action is required.

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

  A user has modified the Web HTTPS port number.

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

  User Action:

  Information only; no action is required.

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

  A user has modified the SNMP Agent port number.

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

  User Action:

  Information only; no action is required.

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

  A user has modified the SNMP Traps port number.

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

  User Action:

  Information only; no action is required.

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

  A user has modified the Syslog receiver port number.

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

  User Action:

  Information only; no action is required.

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

  A user has modified the Remote Presence port number.

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

  User Action:

  Information only; no action is required.

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

  A user configured the SMTP server.

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

  User Action:

  Information only; no action is required.

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

  A user configures the DNS servers.

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

  User Action:

  Information only; no action is required.

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

  A user configured USB-LAN.

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

  User Action:

  Information only; no action is required.

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

  A user configured USB-LAN port forwarding.

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

  User Action:

  Information only; no action is required.

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

  PXE boot requested.

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

  User Action:

  Information only; no action is required.

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

  User initiated a TKLM Server Connection test.

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

  User Action:

  Information only; no action is required.

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

  User set SMTP Server reverse-path address.

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

  User Action:

  Information only; no action is required.

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

  DNS discovery of Lenovo XClarity Administrator.

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

  User Action:

  Information only; no action is required.

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

  This message is for getting hostname from DHCP.

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

  User Action:

  Information only; no action is required.

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

  This message is for hostname from DHCP is invalid.

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

  User Action:

  Information only; no action is required.

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

  Report NTP server 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] from [arg5] at IP address [arg6].**

  This message is for the use case where user modifies the IP address of a Management Controller.

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Reconfigure the watchdog timer to a higher value.
  2. Make sure that the BMC Ethernet over USB interface is enabled.
  3. Reinstall the RNDIS or cdc_ether device driver for the operating system.
  4. Disable the watchdog. Check the integrity of the installed operating system.
  5. Update the BMC firmware. Important: Some cluster solutions require specific code levels or coordinated code updates. If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before you update the code.
  6. If the problem persists, collect service data log.
  7. Contact Lenovo Support.

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

  An implementation has detected an OS Loader Watchdog Timer Expired.

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

  User Action:

  Complete the following steps until the problem is solved:

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

5. Check the integrity of the installed operating system.
6. If the problem persists, collect service data log.
7. Contact Lenovo Support.

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

  Operating System status change.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case where Host Power-On password changed.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case where Host Power-On password cleared.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case where Host Admin password changed.

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

  User Action:

Information only; no action is required.

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

  This message is for the use case where Host Admin password cleared.

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

- **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] from [arg4] at IP address [arg5].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 37
  CIM Prefix: IMM CIM ID: 0015

  User Action:

  Information only; no action is required.

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

  A user configured the Server Power Off Delay.

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

  User Action:

  Information only; no action is required.

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

  A user configured a Server Power action at a specific time.

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

CIM Prefix: IMM CIM ID: 0082

User Action:

Information only; no action is required.

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

  A user configured a recurring Server Power Action.

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

  User Action:

  Information only; no action is required.

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

  A user cleared a Server Power Action.

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

  User Action:

  Information only; no action is required.

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

  Power Cap values changed by user.

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

  User Action:

  Information only; no action is required.

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

  Power exceeded cap.

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

User Action:

Information only; no action is required.

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

  Power capping activated by user.

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

  User Action:

  Information only; no action is required.

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

  Power capping deactivated by user.

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

  User Action:

  Information only; no action is required.

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

  Power exceeded cap recovered.

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

  User Action:

  Information only; no action is required.

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

  The server was restarted for an unknown reason.

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

  User Action:

  Information only; no action is required.

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

  Server is restarted by chassis control command.

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

  User Action:

  Information only; no action is required.

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

  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.

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

  Management Controller reset was initiated by CMM.

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

User Action:

Information only; no action is required.

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

  This message is for the use case where a Management Controller reset is initiated by a user.

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

  User Action:

  Information only; no action is required.

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

  AC power cycle server.

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

  User Action:

  Information only; no action is required.

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

  Management Controller reset was initiated by Front Panel.

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

  User Action:

  Information only; no action is required.

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

  Management Controller reset was initiated to activate PFR Firmware.

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

  User Action:

Information only; no action is required.

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

  This message is for the use case where user installed unbanlance 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: [BackplaneName] detected as present.**

  This message is for the use case when an implementation has detected a Managed Element is now Present.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case when an implementation has detected a Managed Element is now Present.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case when an implementation has detected a Managed Element is now Present.

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

  User Action:

Information only; no action is required.

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

  This message is for the use case when an implementation has detected a Managed Element is Absent.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case when an implementation has detected a Managed Element is Absent.

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

  User Action:

  Information only; no action is required.

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

  This message is for the use case when an implementation has detected a Managed Element is Absent.

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Check the XCC event log for any fan or cooling related issues and address them first.

2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are correctly installed and are in place.
3. Make sure that the room temperature is within operating specifications.
4. Upgrade all system and chassis (if applicable) firmware to the latest level.

   Note: If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.
5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

     Note: If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.
  5. If the problem persists, collect service data log.
  6. Contact Lenovo Support.

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

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

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

  User Action:

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

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

This message is for the use case when an implementation has detected a Processor Configuration Mismatch has occurred.

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

User Action:

Complete the following steps until the problem is solved:

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

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

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

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

User Action:

Complete the following steps until the problem is solved:

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

   Note: If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before the update.
5. If the problem persists, collect service data logs.
6. Contact Lenovo Support.

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

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

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

User Action:

Complete the following steps until the problem is solved:

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

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

  This message is for the use case when an implementation has detected a Bus Uncorrectable Error.

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

  User Action:

  Complete the following steps until the problem is solved:

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

     Note: If the device is part of a cluster solution, verify that the latest level of code is supported by the cluster solution before the update.
  3. If the problem persists, collect service data log.
  4. Contact Lenovo Support.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Perform virtual system reseat or A/C power cycle.
  2. If the problem persists, collect service data log.

3. Contact Lenovo Support.

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Temperature
  SNMP Trap ID: 0
  CIM Prefix: PLAT CIM ID: 0037

  User Action:

  Information only; no action is required.

- **FQXSPPU2002I: The Processor [ProcessorId] is no longer operating in a Degraded State.**

  This message is for the use case when an implementation has detected a Processor is no longer running in the Degraded state.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Warning - CPU
  SNMP Trap ID: 42
  CIM Prefix: PLAT CIM ID: 0039

  User Action:

  Information only; no action is required.

- **FQXSPPU2007I: The System [ComputerSystemName] has detected a POST Error deassertion - CPU voltage mismatch.**

  This message is for the use case when an implementation has detected that Post Error has deasserted.

  Severity: Info
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - CPU
  SNMP Trap ID: 40
  CIM Prefix: PLAT CIM ID: 0185

  User Action:

  Information only; no action is required.

- **FQXSPPU2009I: Processor [ProcessorId] has Recovered from a Configuration Mismatch.**

  This message is for the use case when an implementation has Recovered from a Processor Configuration Mismatch.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - CPU
  SNMP Trap ID: 40
  CIM Prefix: PLAT CIM ID: 0063

  User Action:

Information only; no action is required.

- **FQXSPPU2015I: CPU feature mismatch is recoverd.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0509

  User Action:

  Information only; no action is required.

- **FQXSPPU2016I: CPUs has recovered from an Uncorrectable Error.**

  This message is for the use case when an implementation has detected a that a system has recovered from a Bus Uncorrectable Error.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - CPU
  SNMP Trap ID: 40
  CIM Prefix: PLAT CIM ID: 0241

  User Action:

  Information only; no action is required.

- **FQXSPPU2017I: Processor [ProcessorId] has recovered from a hard fault.**

  This message is for the use case when an implementation has Recovered from a hard fault.

  Severity: Info
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - CPU
  SNMP Trap ID: 40
  CIM Prefix: PLAT CIM ID: 0852

  User Action:

  Information only; no action is required.

- **FQXSPPW0001I: Power supply [PowerSupplyId] has been added.**

  This message is for the use case when an implementation has detected 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: Power supply [PowerSupplyId] 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: No
  Alert Category: Critical - Power
  SNMP Trap ID: 4
  CIM Prefix: PLAT CIM ID: 0086

  User Action:

  Complete the following steps until the problem is solved:

  1. For CRPS Premium:
     a. Check the LEDs on the PSU. If IN LED is green and OUT LED is yellow, remove and re-install power supply unit.
     b. If the problem persists, collect service data log manually and contact Lenovo Support.
  2. For CRPS:
     a. Check the LED on the PSU. If the LED is yellow, remove and re-install power supply unit.
     b. If the problem persists, collect service data log manually and contact Lenovo Support.

- **FQXSPPW0003G: Failure predicted on power supply [PowerSupplyId].**

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

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Warning - Power
  SNMP Trap ID: 164
  CIM Prefix: PLAT CIM ID: 0088

  User Action:

  Complete the following steps until the problem is solved:

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

- **FQXSPPW0003L: Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber])has failed.**

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

  Complete the following steps until the problem is solved:

  1. Check the LEDs on the PSU:

a. If AC LED is not lit, check power cord and input voltage.
b. If DC LED is not lit, remove and re-install power supply.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPPW0004I: The input to power supply [PowerSupplyId] has been lost or fallen out of range.**

  This message is for the use case when an implementation has detected that a Power Supply input is lost or out of range.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0096

  User Action:

  Information only; no action is required.

- **FQXSPPW0005I: Power supply [PowerSupplyId] is operating in an Input State that is out of range.**

  This message is for the use case when an implementation has detected a Power Supply that has input out of range.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0098

  User Action:

  Information only; no action is required.

- **FQXSPPW0006I: Power supply [PowerSupplyId] has lost input.**

  This message is for the use case when an implementation has detected 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: 164
  CIM Prefix: PLAT CIM ID: 0100

  User Action:

  Complete the following steps until the problem is solved:

  1. For CRPS Premium:
     a. Check the LEDs on the PSU. If IN and OUT LED are not lit, check power cord and input voltage.
     b. If the problem persists, collect service data log.
     c. Contact Lenovo Support.
  2. For CRPS:

a. Check the LED on the PSU. If one PSU LED is green and the other PSU LED is yellow, check power cord and input voltage.
b. If the problem persists, collect service data log.
c. Contact Lenovo Support.

- **FQXSPPW0007I: Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber])has lost input.**

  This message is for the use case when an implementation has detected 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: 164
  CIM Prefix: PLAT CIM ID: 0100

  User Action:

  Complete the following steps until the problem is solved:

  1. Check if the storage enclosure has lost input power.
  2. If the problem persists, collect service data log.
  3. Contact Lenovo Support.

- **FQXSPPW0007L: Power supply [PowerSupplyId] has a Configuration Mismatch.**

  This message is for the use case when an implementation has detected a Power Supply with a Configuration Error.

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Power
  SNMP Trap ID: 4
  CIM Prefix: PLAT CIM ID: 0104

  User Action:

  Complete the following steps until the problem is solved:

  1. Check if the PSUs are the same power rating (wattage).
  2. Check if the PSUs are the same efficiency level.
  3. Check if the PSUs are supported by the platform.
  4. If the problem persists, collect service data log.
  5. Contact Lenovo Support.

- **FQXSPPW0008I: Host power has been turned off.**

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

  Information only; no action is required.

- **FQXSPPW0011I: Host power has lost power.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0112

  User Action:

  Information only; no action is required.

- **FQXSPPW0031J: CMOS battery voltage going low (lower non-critical) has asserted.**

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

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Warning - Voltage
  SNMP Trap ID: 13
  CIM Prefix: PLAT CIM ID: 0476

  User Action:

  Complete the following steps until the problem is solved:

  1. Remove the CMOS battery for 20 seconds and then install it back.
  2. Replace the system CMOS battery.
  3. If the problem persists, collect service data log.
  4. Contact Lenovo Support.

- **FQXSPPW0035M: [SysBrdVol] 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:

Complete the following steps until the problem is solved:

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

- **FQXSPPW0047M: [SysBrdVol] 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:

  Complete the following steps until the problem is solved:

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

- **FQXSPPW0054I: PSU Mismatch 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 - Power
  SNMP Trap ID: 164
  CIM Prefix: PLAT CIM ID: 0518

  User Action:

  Information only; no action is required.

- **FQXSPPW0055I: SysBrd voltage fault 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.

- **FQXSPPW0057J: PSU [SensorName] prediction fault failure has transitioned from normal to non-critical state.**

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

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Warning - Power
  SNMP Trap ID: 164
  CIM Prefix: PLAT CIM ID: 0520

  User Action:

  Complete the following steps until the problem is solved:

  1. For CRPS Premium:
     a. Check the PSU LEDs. If IN LED is blinking and OUT LED is green, check the power cord and input voltage.
     b. If the problem persists, collect service data log.
     c. Contact Lenovo Support.
  2. For CRPS:
     a. Check the LED on the PSU. If the LED is blinking yellow, check power cord and input voltage.
     b. If the problem persists, collect service data logs.
     c. Contact Lenovo Support.

- **FQXSPPW0061M: PSU [SensorName] failure has transitioned to critical from a less severe state.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Power
  SNMP Trap ID: 4
  CIM Prefix: PLAT CIM ID: 0522

  User Action:

  Complete the following steps until the problem is solved:

  1. For CRPS Premium:
     a. Check the LEDs on the PSU. If IN LED is green and OUT LED is yellow, remove and re-install power supply unit.
     b. If the problem persists, collect service data log.
     c. Contact Lenovo Support.
  2. For CRPS:
     a. Check the LED on the PSU. If the LED is yellow, remove and re-install power supply unit.
     b. If the problem persists, collect service data log.
     c. Contact Lenovo Support.

- **FQXSPPW0062M: PSU mismatch has transitioned to critical from a less severe state.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Power
  SNMP Trap ID: 4
  CIM Prefix: PLAT CIM ID: 0522

  User Action:

  Complete the following steps until the problem is solved:

  1. Check if the PSUs are the same power rating (wattage).
  2. Check if the PSUs are the same efficiency level.
  3. Check if the PSUs are supported by the platform.
  4. If the problem persists, collect service data log.
  5. Contact Lenovo Support.

- **FQXSPPW0063M: SysBrd voltage fault 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 reseat 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 problem persists, collect service data log.
  5. Contact Lenovo Support.

- **FQXSPPW0091I: Redundancy Power Resource has been restored.**

  This message is for the use case when an implementation has detected Redundancy was Restored.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Redundant Power Supply

SNMP Trap ID: 9
CIM Prefix: PLAT CIM ID: 0561

User Action:

Information only; no action is required.

- **FQXSPPW0101J: Redundancy Degraded for Power Resource has asserted.**

  This message is for the use case when Redundancy Degraded has asserted.

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Warning - Redundant Power Supply
  SNMP Trap ID: 10
  CIM Prefix: PLAT CIM ID: 0804

  User Action:

  Complete the following steps until the problem is solved:

  1. Check if one of the power supplies is missing, failed, or not installed properly. If so, reinstall it.
  2. Check the maximum power supply rate and power capping policy. If any power supply unit does not meet the requirements, change the power supply unit or modify the power capping mechanism.
  3. Upgrade all system firmware and chassis firmware (if applicable) to the latest level.

     Note: If the device is part of a cluster solution, verify that the latest level of code is supported by the cluster solution before the update.
  4. If the problem persists, collect service data log.
  5. Contact Lenovo Support.

- **FQXSPPW0104J: Non-redundant:Sufficient Resources from Redundancy Degraded or Fully Redundant for Power Resource has asserted.**

  This message is for the use case when a Redundancy Set has transitioned from Redundancy Degraded or Fully Redundant to Non-redundant:Sufficient.

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Warning - Redundant Power Supply
  SNMP Trap ID: 10
  CIM Prefix: PLAT CIM ID: 0806

  User Action:

  Complete the following steps until the problem is solved:

  1. For CRPS Premium:
     a. Check the PSU LEDs:
     b. If IN and OUT LED are not lit, check the power cord and input voltage.
     c. If IN LED is green and DC LED is yellow or not lit, remove and then reinstall the power supply unit.
     d. If the problem persists, collect service data log.
     e. Contact Lenovo Support.
  2. For CRPS:
     a. Check the LED on the PSU:

b. If PSU LED is yellow, check power cord and input voltage.
c. If PSU LED is still yellow, remove and re-install power supply unit.
d. If the problem persists, collect service data log.
e. Contact Lenovo Support.

- **FQXSPPW0110M: Non-redundant:Insufficient Resources for Power Resource has asserted.**

  This message is for the use case when a Redundancy Set has transitioned to Non-redundant:Insufficient Resources.

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Redundant Power Supply
  SNMP Trap ID: 9
  CIM Prefix: PLAT CIM ID: 0810

  User Action:

  Complete the following steps until the problem is solved:

  1. Check if one of the power supplies is missing, failed, or not installed properly. If so, reinstall it.
  2. Check the maximum power supply rate and power capping policy. If any power supply unit does not meet the requirements, change the power supply unit or modify the power capping mechanism.
  3. Upgrade all system firmware and chassis firmware (if applicable) to the latest level.

     Note: If the device is part of a cluster solution, verify that the latest level of code is supported by the cluster solution before the update.
  4. If the problem persists, collect service data log.
  5. Contact Lenovo Support.

- **FQXSPPW0123M: PSU [SensorName] input failure has transitioned to critical from a less severe state.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Power
  SNMP Trap ID: 4
  CIM Prefix: PLAT CIM ID: 0522

  User Action:

  Complete the following steps until the problem is solved:

  1. For CRPS Premium:
     a. Check the LEDs on the PSU. If IN and OUT LED are not lit, check power cord and input voltage.
     b. If the problem persists, collect service data log.
     c. Contact Lenovo Support.
  2. For CRPS:
     a. Check the LED on the PSU. If one PSU LED is green and the other PSU LED is yellow, check power cord and input voltage.
     b. If the problem persists, collect service data log.

c. Contact Lenovo Support.

- **FQXSPPW0129I: PSU [SensorName] failure has transitioned to normal state.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Warning - Power
  SNMP Trap ID: 164
  CIM Prefix: PLAT CIM ID: 0518

  User Action:

  Information only; no action is required.

- **FQXSPPW0129N: CPU [ProcessorId] [VRName] has transitioned to non-recoverable.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Voltage
  SNMP Trap ID: 1
  CIM Prefix: PLAT CIM ID: 0853

  User Action:

  Complete the following steps until the problem is solved:

  1. Perform virtual system reseat or A/C power cycle.
  2. If the error persists, remove A/C power and any recently installed components.
  3. If the system successfully powers on, complete the following steps:
     a. Check the ServerProven website (https://serverproven.lenovo.com/) to make sure that recently installed components are compatible with the system.
     b. Inspect the previously installed components for physical damage and fix it.
     c. If the system does not successfully power on or if this is not the first occurrence of this problem, go to step 4.
  4. If the problem persists, collect service data log.
  5. Contact Lenovo Support.

- **FQXSPPW0130I: PSU [SensorName] prediction fault failure has transitioned to normal state.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Warning - Power
  SNMP Trap ID: 164
  CIM Prefix: PLAT CIM ID: 0518

  User Action:

Information only; no action is required.

- **FQXSPPW0131I: PSU [SensorName] input failure has transitioned to normal state.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Warning - Power
  SNMP Trap ID: 164
  CIM Prefix: PLAT CIM ID: 0518

  User Action:

  Information only; no action is required.

- **FQXSPPW0131N: Peripheral device [DeviceName] powergood has transitioned to non-recoverable.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Voltage
  SNMP Trap ID: 1
  CIM Prefix: PLAT CIM ID: 0855

  User Action:

  Complete the following steps until the problem is solved:

  1. Perform virtual system reseat or A/C power cycle.
  2. If the error persists, remove A/C power and any recently installed components.
  3. If the system successfully powers on, complete the following steps:
     a. Check the ServerProven website (https://serverproven.lenovo.com/) to make sure that recently installed components are compatible with the system.
     b. Inspect the previously installed components for physical damage and fix it.
     c. If the system does not successfully power on or if this is not the first occurrence of this problem, go to step 4.
  4. If the system has stand-by power, collect service data logs.
  5. Contact Lenovo Support.

- **FQXSPPW0132N: Fan [FanGroup] powergood has transitioned to non-recoverable.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Voltage
  SNMP Trap ID: 1
  CIM Prefix: PLAT CIM ID: 0856

  User Action:

Complete the following steps until the problem is solved:

1. Perform virtual system reseat or A/C power cycle.
2. If the error persists, remove A/C power and any recently installed components.
3. If the system successfully powers on, complete the following steps:
   a. Check the ServerProven website (https://serverproven.lenovo.com/) to make sure that recently installed components are compatible with the system.
   b. Inspect the previously installed components for physical damage and fix it.
   c. If the system does not successfully power on or if this is not the first occurrence of this problem, go to step 4.
4. If the problem persists, collect service data log.
5. Contact Lenovo Support.

- **FQXSPPW0133N: MB AUX powergood has transitioned to non-recoverable.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Voltage
  SNMP Trap ID: 1
  CIM Prefix: PLAT CIM ID: 0857

  User Action:

  Complete the following steps until the problem is solved::

  1. Perform a virtual system reseat or A/C power cycle.
  2. If the error persists, remove A/C power and any recently installed components.
  3. If the system successfully powers on, complete the following steps:
     a. Check the ServerProven website (https://serverproven.lenovo.com/) to make sure that recently installed components are compatible with the system.
     b. Inspect the previously installed components for physical damage and fix it.
     c. If the system does not successfully power on or if this is not the first occurrence of this problem, go to step 4.
  4. If the problem persists, collect service data log.
  5. Contact Lenovo Support.

- **FQXSPPW2001I: Power supply [PowerSupplyId] has been removed.**

  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.

- **FQXSPPW2002I: Power supply [PowerSupplyId] 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.

- **FQXSPPW2003I: Failure no longer predicted on power supply [PowerSupplyId].**

  This message is for the use case when an implementation has detected a Power Supply failure is no longer predicted.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Warning - Power
  SNMP Trap ID: 164
  CIM Prefix: PLAT CIM ID: 0089

  User Action:

  Information only; no action is required.

- **FQXSPPW2004I: Power supply [PowerSupplyId] has returned to a Normal Input State.**

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

- **FQXSPPW2005I: Power supply [PowerSupplyId] 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.

- **FQXSPPW2006I: Power supply [PowerSupplyId] 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.

- **FQXSPPW2007I: Power supply [PowerSupplyId] Configuration is OK.**

  This message is for the use case when an implementation when a Power Supply configuration is OK.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Power
  SNMP Trap ID: 4
  CIM Prefix: PLAT CIM ID: 0105

  User Action:

  Information only; no action is required.

- **FQXSPPW2008I: Host power has been turned on.**

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

- **FQXSPPW2011I: Host power power was restored.**

  This message is for the use case when an implementation has detected a power was restore to the Power Unit.

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

  User Action:

  Information only; no action is required.

- **FQXSPPW2015I: Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber])has returned to OK status.**

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

- **FQXSPPW2017I: Power supply [PowerSupplyId] in the enclosure/chassis (MTM-SN: [MachineSerialNumber])has returned to a normal input state.**

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

- **FQXSPPW2031I: CMOS battery voltage going low (lower non-critical) has deasserted.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Warning - Voltage
  SNMP Trap ID: 13
  CIM Prefix: PLAT CIM ID: 0477

  User Action:

  Information only; no action is required.

- **FQXSPPW2035I: [SysBrdVol] 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: [SysBrdVol] 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.

- **FQXSPPW2057I: PSU [SensorName] prediction fault failure has deasserted the transition from normal to non-critical state.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Warning - Power
  SNMP Trap ID: 164
  CIM Prefix: PLAT CIM ID: 0521

  User Action:

  Information only; no action is required.

- **FQXSPPW2061I: PSU [SensorName] failure has transitioned to a less severe state from critical.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Power
  SNMP Trap ID: 4
  CIM Prefix: PLAT CIM ID: 0523

  User Action:

  Information only; no action is required.

- **FQXSPPW2062I: PSU Mismatch has transitioned to a less severe state from critical.**

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

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

SNMP Trap ID: 4
CIM Prefix: PLAT CIM ID: 0523

User Action:

Information only; no action is required.

- **FQXSPPW2063I: SysBrd voltage fault has transitioned to a less severe state from critical.**

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

- **FQXSPPW2101I: Redundancy Degraded for Power Resource has deasserted.**

  This message is for the use case when Redundancy Degraded has deasserted.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Warning - Redundant Power Supply
  SNMP Trap ID: 10
  CIM Prefix: PLAT CIM ID: 0805

  User Action:

  Information only; no action is required.

- **FQXSPPW2104I: Non-redundant:Sufficient Resources from Redundancy Degraded or Fully Redundant for Power Resource has deasserted.**

  This message is for the use case when a Redundancy Set has transitioned from Non-redundant:Sufficient Resources.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Warning - Redundant Power Supply
  SNMP Trap ID: 10
  CIM Prefix: PLAT CIM ID: 0807

  User Action:

  Information only; no action is required.

- **FQXSPPW2110I: Non-redundant:Insufficient Resources for Power Resource has deasserted.**

  This message is for the use case when a Redundancy Set has transitioned from Non-redundant: Insufficient Resources.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No

Alert Category: Critical - Redundant Power Supply
SNMP Trap ID: 9
CIM Prefix: PLAT CIM ID: 0811

User Action:

Information only; no action is required.

- **FQXSPPW2123I: PSU [SensorName] input failure has transitioned to a less severe state from critical.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Power
  SNMP Trap ID: 4
  CIM Prefix: PLAT CIM ID: 0523

  User Action:

  Information only; no action is required.

- **FQXSPSD0000I: The [DriveName] 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 - Drive Hotplug
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0162

  User Action:

  Information only; no action is required.

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

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

  1. Reboot the system and confirm that the drive is still in failed state.
  2. If the problem persists, collect service data log.
  3. Contact Lenovo Support.

- **FQXSPSD0002G: Failure Predicted on [DriveName].**

  This message is for the use case when an implementation has detected an Array Failure is Predicted.

Severity: Warning
Serviceable: Yes
Automatically notify Support: Yes
Alert Category: System - Predicted Failure
SNMP Trap ID: 27
CIM Prefix: PLAT CIM ID: 0168

User Action:

Complete the following steps until the problem is solved:

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

- **FQXSPSD0002L: Drive [DriveLocation] in the enclosure/chassis(MTM-SN: [MachineSerialNumber]) has a fault.**

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

  1. Check Lenovo Support (http://support.lenovo.com/) for service bulletins and Tech Tips and firmware update related to your drive.
  2. Look for any other RAID-related errors.
  3. If the problem persists, collect service data log.
  4. Contact Lenovo Support.

- **FQXSPSD0003G: Failure Predicted on drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]).**

  This message is for the use case when an implementation has detected an Array Failure is Predicted.

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: Yes
  Alert Category: System - Predicted Failure
  SNMP Trap ID: 27
  CIM Prefix: PLAT CIM ID: 0168

  User Action:

  Complete the following steps until the problem is solved:

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

- **FQXSPSD0003I: Hot Spare enabled with drive [DriveLocation].**

  This message is for the use case when an implementation has detected a Hot Spare has been Enabled.

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

User Action:

Information only; no action is required.

- **FQXSPSD0005I: Hot Spare enabled for drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]).**

  This message is for the use case when an implementation has detected a Hot Spare has been Enabled.

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

  User Action:

  Information only; no action is required.

- **FQXSPSD0007I: The [DriveName] is rebuilding.**

  This message is for the use case when an implementation has detected that an Array Rebuild is in Progress.

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

  User Action:

  Information only; no action is required.

- **FQXSPSD0008I: Array rebuild in progress on drive [DriveLocation] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]).**

  This message is for the use case when an implementation has detected that an Array Rebuild is in Progress.

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

  User Action:

  Information only; no action is required.

- **FQXSPSD2000I: The [DriveName] has been removed from unit [PhysicalPackageName].**

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

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

User Action:

Complete the following steps until the problem is solved:

1. If the drive was intentionally removed, make sure that there is a filler in the drive bay.
2. Make sure that the drive is correctly seated.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

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

  This message is for the use case when an implementation has detected a Drive was Enabled.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Hard Disk drive
  SNMP Trap ID: 5
  CIM Prefix: PLAT CIM ID: 0167

  User Action:

  Information only; no action is required.

- **FQXSPSD2002I: Failure no longer Predicted on [DriveName].**

  This message is for the use case when an implementation has detected an Array Failure is no longer Predicted.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Predicted Failure
  SNMP Trap ID: 27
  CIM Prefix: PLAT CIM ID: 0169

  User Action:

  Information only; no action is required.

- **FQXSPSD2003I: Hot Spare disabled with drive [DriveLocation].**

  This message is for the use case when an implementation has detected a Hot Spare has been Disabled.

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

  User Action:

Information only; no action is required.

- **FQXSPSD2007I: Rebuild completed on [DriveName].**

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

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

  User Action:

  Information only; no action is required.

- **FQXSPSD2008I: Drive [DriveLocation] in the enclosure/chassis(MTM-SN: [MachineSerialNumber]) has recovered from a fault.**

  This message is for the use case when an implementation has detected a Drive was Enabled.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Hard Disk drive
  SNMP Trap ID: 5
  CIM Prefix: PLAT CIM ID: 0167

  User Action:

  Information only; no action is required.

- **FQXSPSD2011I: Failure no longer Predicted on drive [DriveLocation] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]).**

  This message is for the use case when an implementation has detected an Array Failure is no longer Predicted.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Predicted Failure
  SNMP Trap ID: 27
  CIM Prefix: PLAT CIM ID: 0169

  User Action:

  Information only; no action is required.

- **FQXSPSD2012I: Hot Spare disabled for drive [DriveLocation] in the enclosure/chassis (MTM-SN: [MachineSerialNumber]).**

  This message is for the use case when an implementation has detected a Hot Spare has been Disabled.

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

User Action:

Information only; no action is required.

- **FQXSPSD2015I: Array rebuild completed on drive [DriveLocation] in the enclosure/chassis (MTM-S/N: [MachineSerialNumber]).**

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

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

  User Action:

  Information only; no action is required.

- **FQXSPSE0000F: The Chassis [ComputerSystemName] was opened.**

  This message is for the use case when the Chassis has been opened.

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Warning - Other
  SNMP Trap ID: 60
  CIM Prefix: PLAT CIM ID: 0004

  User Action:

  Complete the following steps until the problem is solved:

  1. Reseat the chassis cover.
  2. Check if the intrusion switch is present. If yes, inspect intrusion switch cable for damage and make sure that it is not loose.
  3. Check the active events and confirm that the "chassis sensor" has de-asserted.
  4. If the problem persists, collect service data log.
  5. Contact Lenovo Support.

- **FQXSPSE0010J: System Guard detected inventory mismatch with trusted snapshot.**

  This message is for the use case when an implementation has detected a system guard detected inventory mismatch with trusted snapshot.

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

  User Action:

  Complete the following steps until the problem is solved:

  1. If the user sets up the server for the first time after receiving the order, check with the seller whether there was a hardware change made since the system left Lenovo manufacturing. If the hardware

change is expected, ignore this message or deassert the event as described in step 4. If the hardware change is not expected, report the issue to the seller.

2. If the user enables the System Guard feature after initial setup of hardware, check whether there are any hardware changes or hardware errors. If yes, resolve them first.
3. If the user enables the feature with the policy “Prevent OS booting (only on CPU and DIMM event)”, UEFI boot would stop during POST and promote user input with warning on the POST screen. See System Guard User Guide for details.
4. To acknowledge the inventory change of hardware components, the user can disable System Guard, or manually capture a snapshot (after POST has completed) from XCC UI. See System Guard User Guide for details.
5. If the problem persists, collect service data log.
6. Contact Lenovo Support.

- **FQXSPSE2000I: The Chassis [ComputerSystemName] was closed.**

  This message is for the use case when a Chassis has been closed.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Warning - Other
  SNMP Trap ID: 60
  CIM Prefix: PLAT CIM ID: 0005

  User Action:

  Information only; no action is required.

- **FQXSPSE2010I: System guard changed to compliant status.**

  This message is for the use case when an implementation has detected that system Guard changed to compliant status.

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

  User Action:

  Information only; no action is required.

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

  Complete the following steps until the problem is solved:

1. Make sure that the certificate that you are importing is correct and properly generated.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPSE4001I: Remote Login Successful. Login ID: [arg1] using [arg2] from [arg3] at IP address [arg4].**

  This message is for the use case where a user successfully logs in to a Management Controller.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0014

  User Action:

  Information only; no action is required.

- **FQXSPSE4002I: Security: Userid: [arg1] using [arg2] had [arg3] login failures from WEB client at IP address [arg4].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0016

  User Action:

  Information only; no action is required.

- **FQXSPSE4003I: Security: Login ID: [arg1] had [arg2] login failures from CLI at [arg3].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0017

  User Action:

  Information only; no action is required.

- **FQXSPSE4004I: Remote access attempt failed. Invalid userid or password received. Userid is [arg1] from WEB browser at IP address [arg2].**

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

  Severity: Info
  Serviceable: No

Automatically notify Support: No
Alert Category: System - Remote Login
SNMP Trap ID: 30
CIM Prefix: IMM CIM ID: 0018

User Action:

Complete the following steps until the problem is solved:

1. Make sure that the correct login ID and password are being used.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPSE4006I: XCC detected an invalid SSL certificate in the Management Controller [arg1].**

  This message is for the use case where a Management Controller has detected invalid SSL data in the configuration data and is clearing the configuration data region and disabling the SSL.

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Make sure that the certificate that you are importing is correct and properly generated / certificate CSR is correct
  2. If the problem persists, collect service data log.
  3. Contact Lenovo Support.

- **FQXSPSE4007I: Security: Userid: [arg1] using [arg2] had [arg3] login failures from an SSH client at IP address [arg4].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0041

  User Action:

  Complete the following steps until the problem is solved:

  1. Make sure that the correct login ID and password are being used.
  2. Have the system administrator reset the login ID or password.
  3. If the problem persists, collect service data log.
  4. Contact Lenovo Support.

- **FQXSPSE4008I: SNMPv1 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4], Address= [arg5] from [arg6] at IP address [arg7].**

  A user changed the SNMP community string.

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: System - Other
SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0075

User Action:

Information only; no action is required.

- **FQXSPSE4009I: LDAP Server configuration set by user [arg1]: SelectionMethod=[arg2], DomainName=[arg3], Server1=[arg4], Server2=[arg5], Server3=[arg6], Server4=[arg7] from [arg8] at IP address [arg9].**

  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] from [arg10] at IP address [arg11].**

  A user configured an LDAP Miscellaneous setting.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0077

  User Action:

  Information only; no action is required.

- **FQXSPSE4011I: Secure Web services (HTTPS) [arg1] by user [arg2] from [arg3] at IP address [arg4].**

  A user enables or disables Secure web services.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0091

  User Action:

  Information only; no action is required.

- **FQXSPSE4013I: Secure LDAP [arg1] by user [arg2] from [arg3] at IP address [arg4].**

A user enables or disables Secure LDAP services.

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: System - Other
SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0093

User Action:

Information only; no action is required.

- **FQXSPSE4014I: SSH [arg1] by user [arg2] from [arg3] at IP address [arg4].**

  A user enables or disables SSH services.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0094

  User Action:

  Information only; no action is required.

- **FQXSPSE4015I: Global Login General Settings set by user [arg1]: AuthenticationMethod=[arg2], LockoutPeriod=[arg3], SessionTimeout=[arg4] from [arg5] at IP address [arg6].**

  A user changes the Global Login General Settings.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0098

  User Action:

  Information only; no action is required.

- **FQXSPSE4016I: Global Login Account Security set by user [arg1]: PasswordRequired=[arg2], PasswordExpirationPeriod=[arg3], MinimumPasswordReuseCycle=[arg4], MinimumPasswordLength=[arg5], MinimumPasswordChangeInterval=[arg6], MaxmumLoginFailures=[arg7], LockoutAfterMaxFailures=[arg8] from [arg9] at IP address [arg10].**

  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.

- **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.

- **FQXSPSE4028I: Security: Userid: [arg1] had [arg2] login failures from IPMI client at IP address [arg3].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0153

  User Action:

  Information only; no action is required.

- **FQXSPSE4029I: Security: Userid: [arg1] had [arg2] login failures from SNMP client at IP address [arg3].**

  This message is for the use case where a user has failed to access a Management Controller from SNMP.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0154

  User Action:

  Information only; no action is required.

- **FQXSPSE4032I: Login ID: [arg1] from [arg2] at IP address [arg3] has logged off.**

  This message is for the use case where a user has logged off 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.

- **FQXSPSE4034I: User [arg1] has removed a certificate from [arg2] at IP address [arg3].**

  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.

- **FQXSPSE4038I: Minimum TLS level modified from [arg1] to [arg2] by user [arg3] from [arg4] at IP address [arg5].**

  Minimum TLS level modified.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0219

  User Action:

  Information only; no action is required.

- **FQXSPSE4039I: Temporary user account [arg1] is created by inband tool.**

  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:

  Information only; no action is required.

- **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:

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] from [arg13] at IP address [arg14].**

  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] from [arg3] at IP address [arg4].**

  Role is removed.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0247

  User Action:

  Information only; no action is required.

- **FQXSPSE4049I: Role [arg1] is assigned to user [arg2] by user [arg3] from [arg4] at IP address [arg5].**

Role is assgned.

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: System - Other
SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0248

User Action:

Information only; no action is required.

- **FQXSPSE4050I: [arg1] sent IPMI command from [arg2], raw data: [arg3][arg4][arg5].**

  This message is for the use case where IPMI command to be sent.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0251

  User Action:

  Information only; no action is required.

- **FQXSPSE4051I: Management Controller [arg1] joined the neighbor group [arg2] by user [arg3] from [arg4] at IP address [arg5].**

  This message is for the use case where MC joins a group.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0261

  User Action:

  Information only; no action is required.

- **FQXSPSE4052I: The password of neighbor group [arg1] is modified by [arg2] [arg3] from [arg4] at IP address [arg5].**

  This message is for the use case where the group user password is modified.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0262

  User Action:

  Information only; no action is required.

- **FQXSPSE4053I: Management Controller [arg1] left the neighbor group [arg2] by user [arg3] from [arg4] at IP address [arg5].**

This message is for the use case where MC leaves a group.

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: System - Other
SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0263

User Action:

Information only; no action is required.

- **FQXSPSE4054I: IPMI SEL wrapping mode is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

  IPMI SEL wrapping mode is changed.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0264

  User Action:

  Information only; no action is required.

- **FQXSPSE4055I: SED encryption is enabled by user [arg1] from [arg2] at IP address [arg3].**

  SED encryption is enabled.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0265

  User Action:

  Information only; no action is required.

- **FQXSPSE4056I: SED AK is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

  SED AK is regenerated or recovered.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0266

  User Action:

  Information only; no action is required.

- **FQXSPSE4057I: User [arg1] created by user [arg2] from [arg3] at IP address [arg4].**

  A user account was created by 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] from [arg9] at IP address [arg10].**

  A user configured an LDAP Miscellaneous setting.

  Severity: Info

Serviceable: No
Automatically notify Support: No
Alert Category: System - Other
SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0290

User Action:

Information only; no action is required.

- **FQXSPSE4074I: Security mode downgrades because the 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.

- **FQXSPSE4079I: The Operator role is [arg1] to contain Remote Console Access permission by user [arg2] from [arg3] at IP address [arg4].**

  Update privilege to enable/disable Operator to access Remote Console.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0322

  User Action:

  Information only; no action is required.

- **FQXSPSE4080I: The user [arg1] attempts to clear CMOS from [arg2] at IP address [arg3].**

  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 unaccessable.**

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

  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 managerment 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 managerment server poll function has failed.

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

SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0333

User Action:

Information only; no action is required.

- **FQXSPSE4091I: SNMPv2 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4], Address=[arg5].**

  A user changed the SNMP community string.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0339

  User Action:

  Information only; no action is required.

- **FQXSPSE4092I: SNMPv1 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4].**

  A user changed the SNMPv1 community name.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0345

  User Action:

  Information only; no action is required.

- **FQXSPSE4093I: SNMPv1 [arg1] set by user [arg2]: address=[arg3].**

  A user changed the SNMPv1 community address.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0346

  User Action:

  Information only; no action is required.

- **FQXSPSE4094I: SNMPv2 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4].**

  A user changed the SNMPv2 community name.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0347

User Action:

Information only; no action is required.

- **FQXSPSE4095I: SNMPv2 [arg1] set by user [arg2]: address=[arg3].**

  A user changed the SNMPv1 community address.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0348

  User Action:

  Information only; no action is required.

- **FQXSPSE4129I: Security: Userid: [arg1] failed to login from SNMP client at IP address [arg2].**

  This message is for the use case where a user has failed to access a Management Controller from SNMP.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0349

  User Action:

  Information only; no action is required.

- **FQXSPSS0012G: [System] cannot detect [DeviceName].**

  This message is for the use case when an implementation has detected that a device cannot be detected.

  Severity: Warning
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Warning - Other
  SNMP Trap ID: 60
  CIM Prefix: PLAT CIM ID: 0865

  User Action:

  Complete the following steps until the problem is solved:

  1. Reseat the affected adapter and riser card.
  2. Update the server firmware (UEFI and XCC) and adapter firmware.
  3. If the problem persists, collect service data log.
  4. Contact Lenovo Support.

- **FQXSPSS4000I: Management Controller Test Alert Generated by [arg1] from [arg2] at IP address [arg3].**

  This message is for the use case where a user has generated a Test Alert.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No

Alert Category: System - other
SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0040

User Action:

Information only; no action is required.

- **FQXSPSS4001I: Server General Settings set by user [arg1]: Name=[arg2], Contact=[arg3], Location=[arg4], Room=[arg5], RackID=[arg6], Rack U-position=[arg7], Address=[arg8] from [arg9] at IP address [arg10].**

  A user configured the Location setting.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0080

  User Action:

  Information only; no action is required.

- **FQXSPSS4002I: License key for [arg1] added by user [arg2] from [arg3] at IP address [arg4].**

  A user installs License Key.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0096

  User Action:

  Information only; no action is required.

- **FQXSPSS4003I: License key for [arg1] removed by user [arg2] from [arg3] at IP address [arg4].**

  A user removes a License Key.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0097

  User Action:

  Information only; no action is required.

- **FQXSPSS4004I: Test Call Home Generated by user [arg1] from [arg2] at IP address [arg3].**

  Test Call Home generated by user.

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

SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0134

User Action:

Information only; no action is required.

- **FQXSPSS4006I: Call Home to [arg1] failed to complete: [arg2].**

  Call Home failed to complete.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0195

  User Action:

  Information only; no action is required.

- **FQXSPSS4007I: The BMC functionality tier is changed from [arg1] to [arg2].**

  Tier 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] from [arg4] at IP address [arg5].**

  The setting has been changed by user.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0225

  User Action:

  Information only; no action is required.

- **FQXSPSS4009I: System enters LXPM maintenance mode.**

  The system enters maintenance mode.

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

User Action:

Information only; no action is required.

- **FQXSPSS4010I: Test Audit Log generated by user [arg1] from [arg2] at IP address [arg3].**

  This message is for the use case where 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.

- **FQXSPTR4001I: Date and Time set by user [arg1]: Date=[arg2], Time-[arg3], DST Auto-adjust=[arg4], Timezone=[arg5] from [arg6] at IP address [arg7].**

  A user configured the Date and Time settings.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0079

  User Action:

  Information only; no action is required.

- **FQXSPTR4002I: Synchronize time setting by user [arg1]: Mode=Sync with NTP Server, NTPServerHost1=[arg2]:[arg3],NTPServerHost2=[arg4]:[arg5],NTPServerHost3=[arg6]:[arg7], NTPServerHost4=[arg8]:[arg9],NTPUpdateFrequency=[arg10] from [arg11] at IP address [arg12].**

  A user configured the Date and Time synchronize settings.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0085

User Action:

Information only; no action is required.

- **FQXSPTR4003I: Synchronize time setting by user [arg1]: Mode=Sync with server clock from [arg2] at IP address [arg3].**

  A user configured the Date and Time synchronize settings.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0224

  User Action:

  Information only; no action is required.

- **FQXSPUN0009G: BMC firmware corruption is detected.**

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Try to access the XCC by original IP. If networking does not have response, try to access the XCC by default IP directly through dedicated XCC management port. If none of the above external IP worked, try the in band IP: 169.254.95.120 with lanoverusb enabled in OS.
  2. If XCC is accessible by the following the item#1, update the XCC both primary/2nd bank FW.
  3. If XCC is not accessible, reboot the system.
  4. Press F1 or use LXPM to do XCC firmware update.
  5. If the problem persists, collect service data logs.
  6. Contact Lenovo Support.

- **FQXSPUN0026I: Low Security Jumper is enabled.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0536

  User Action:

  Information only; no action is required.

- **FQXSPUN0048I: The RAID controller in PCI slot [PCILocation] in optimal status.**

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

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: System - Other
SNMP Trap ID: 22
CIM Prefix: PLAT CIM ID: 0518

User Action:

Information only; no action is required.

- **FQXSPUN0049J: The RAID controller in PCIe slot [PCILocation] is in warning status. At least one physical drive is in unconfigured bad state.**

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Review RAID logs to understand why the drive is on U_BAD state.
  2. If the problem persists, collect service data log.
  3. Contact Lenovo Support.

- **FQXSPUN0050M: The RAID controller in PCIe slot [PCILocation] is in critical state. Volume [VolumeID] is offline.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Other
  SNMP Trap ID: 50
  CIM Prefix: PLAT CIM ID: 0522

  User Action:

  Complete the following steps until the problem is solved:

  1. Check if the configured drives are present and they are properly connected.
  2. Go to system setup and check if the devices are displayed in UEFI/XCC.
  3. Ensure that the drives are spun-up and have power supplied to them.
  4. If there is a backplane, check the connectors to ensure that power is being supplied to the drives.
  5. If the problem persists, collect service data log.
  6. Contact Lenovo Support.

- **FQXSPUN0051J: The RAID controller in PCIe slot [PCILocation] has asserted a warning. Foreign configuration is detected.**

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. This is a general event when a sensor (any type) transitions from normal to a non-critical state. Monitor the sensor and if it transitions to critical state,
  2. If the problem persists, collect service data log.
  3. Contact Lenovo Support.

- **FQXSPUN0053M: The RAID controller in PCIe slot [PCILocation] is in critical status. At least one physical drive is failed.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Other
  SNMP Trap ID: 50
  CIM Prefix: PLAT CIM ID: 0522

  User Action:

  Complete the following steps until the problem is solved:

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

- **FQXSPUN0054M: The RAID controller in PCIe slot [PCILocation] is in critical status. Volume [VolumeID] is degraded.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Other
  SNMP Trap ID: 50
  CIM Prefix: PLAT CIM ID: 0522

  User Action:

  Complete the following steps until the problem is solved:

  1. Reseat the drive.

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

- **FQXSPUN0055M: The RAID controller in PCIe slot [PCILocation] is in critical state. Battery is in non-optimal state.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Other
  SNMP Trap ID: 50
  CIM Prefix: PLAT CIM ID: 0522

  User Action:

  Complete the following steps until the problem is solved:

  1. Check whether a RAID battery is installed and attached.
  2. If no RAID battery is installed, please ignore this message.
  3. If a RAID battery is installed, check the RAID battery for air flow obstruction and ensure that battery cables are properly connected.
  4. If the problem persists, collect service data log.
  5. Contact Lenovo Support.

- **FQXSPUN0057I: The RAID controller in PCI slot [PCILocation] does not have a battery.**

  This message is for the use case when an implementation has detected a RAID controller does not have a battery.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0532

  User Action:

  Information only; no action is required.

- **FQXSPUN0058J: The remaining life of [DriveName] is lower than the warning threshold ([ThresholdValue]).**

  This message is for the use case when an implementation has detected the remaining life of any one of the drives in the system is lower than the defined threshold.

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Reseat the drive.

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

- **FQXSPUN0059J: RoT attestation has detected a failure.**

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

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

  User Action:

  Complete the following steps until the problem is solved:

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

- **FQXSPUN0060G: RoT mismatch has asserted.**

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

  Severity: Warning
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Warning - Other
  SNMP Trap ID: 60
  CIM Prefix: PLAT CIM ID: 0508

  User Action:

  Complete the following steps until the problem is solved:

  1. Check whether the system I/O board was moved from another system.
  2. If yes, move the original one back.
  3. If the problem persists, collect service data logs.
  4. Contact Lenovo Support.

- **FQXSPUN0061I: System Maintenance Mode has asserted.**

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

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

  User Action:

  Information only; no action is required.

- **FQXSPUN0062I: SMI Timeout has asserted.**

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

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

User Action:

Complete the following steps until the problem is solved:

1. If the server is constantly rebooting, perform a virtual reseat or A/C cycle on the server.
2. If the problem persists, collect service data logs.
3. Contact Lenovo Support.

- **FQXSPUN0063I: PSU heavy load has asserted.**

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

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

  User Action:

  Information only; no action is required.

- **FQXSPUN0065J: UEFI firmware authentication failure is detected.**

  This message is for the use case when an implementation has detected that a fatal motherboard failure in the system.

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Check if there is a de-asserted event (FQXSPUN2065I) triggered after this event is asserted before entering the OS.
  2. If yes, ignore this event because this problem is fixed by a recovery algorithm.
  3. If not, Update UEFI firmware to the latest version and power cycle the system.

     Note: Check XCC minimum dependency documented in change history before loading new UEFI build.
  4. If the problem persists, update XCC firmware to the latest version and A/C power cycle the system.
  5. If the problem persists, collect service data log.
  6. Contact Lenovo Support.

- **FQXSPUN0067M: Failed to automatically recover UEFI firmware from authentication failure.**

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

Severity: Error
Serviceable: Yes
Automatically notify Support: No
Alert Category: Critical - Other
SNMP Trap ID: 50
CIM Prefix: PLAT CIM ID: 0522

User Action:

Complete the following steps until the problem is solved:

1. Update UEFI firmware and power cycle the system.

   Note: Check XCC minimum dependency documented in change history before loading new UEFI build.
2. If the problem persists, update XCC firmware to the latest and A/C power cycle the system.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPUN0068M: Drive Mismatch 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. Make sure that the type of drives is supported by the system configuration and is correct for the specific drive slot.
  2. Power off the system and do virtual AC cycle through XCC/BMC.
  3. If the problem persists, collect service data log.
  4. Contact Lenovo Support.

- **FQXSPUN0069M: The remaining life of [DriveName] is lower than the critical threshold ([ThresholdValue]).**

  This message is for the use case when an implementation has detected the remaining life of any one of the drives in the system is lower than the defined threshold.

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Other
  SNMP Trap ID: 50
  CIM Prefix: PLAT CIM ID: 0520

  User Action:

Complete the following steps until the problem is solved:

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

- **FQXSPUN2012I: BMC firmware corrupted has deasserted.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0509

  User Action:

  Information only; no action is required.

- **FQXSPUN2026I: Low Security Jumper is disabled.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0537

  User Action:

  Information only; no action is required.

- **FQXSPUN2049I: The RAID controller in PCI slot [PCILocation] is no longer in warning status.**

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

- **FQXSPUN2050I: The RAID controller in PCI slot [PCILocation] is no longer in critical status.**

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

- **FQXSPUN2057I: The RAID controller in PCI slot [PCILocation] has a battery now.**

  This message is for the use case when an implementation has detected that a RAID controller has a battery.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0533

  User Action:

  Information only; no action is required.

- **FQXSPUN2058I: The remaining life for all SSDs is above threshold [ThresholdValue].**

  This message is for the use case when an implementation has detected that the remaining life for all SSDs is above threshold.

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

  User Action:

  Information only; no action is required.

- **FQXSPUN2061I: System Maintenance Mode has deasserted.**

  This message is for the use case when an implementation has detected a Sensor acoustic mode has deasserted.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0509

  User Action:

  Information only; no action is required.

- **FQXSPUN2062I: SMI Timeout has deasserted.**

  This message is for the use case when an implementation has detected a Sensor acoustic mode has deasserted.

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

SNMP Trap ID: 22
CIM Prefix: PLAT CIM ID: 0509

User Action:

Information only; no action is required.

- **FQXSPUN2063I: PSU heavy load has deasserted.**

  This message is for the use case when an implementation has detected a Sensor acoustic mode has deasserted.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0509

  User Action:

  Information only; no action is required.

- **FQXSPUN2065I: UEFI firmware is automatically recovered from authentication failure.**

  This message is for the use case when an implementation has detected that UEFI firmware is automatically recovered from authentication failure.

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

  User Action:

  Information only; no action is required.

- **FQXSPUN2067I: UEFI firmware is manually recovered from authentication failure.**

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

- **FQXSPUN2068I: Drive Mismatch 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.

- **FQXSPUP0002I: A firmware or software change occurred on system [ComputerSystemName].**

  This message is for the use case when an implementation has detected that the Firmware or Software Changed.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0438

  User Action:

  Complete the following steps until the problem is solved:

  1. Update primary XCC firmware image and restart management controller (XCC).
  2. If the problem persists, collect service data log.
  3. Contact Lenovo Support.

- **FQXSPUP0007L: BMC primary firmware is corrupted, auto fail over to backup.**

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Flash XCC firmware to the latest level and reboot system.
  2. If the problem persists, collect service data log.
  3. Contact Lenovo Support.
  4. Note: The solution for this error may involve a system board replacement. If TPM encryption has been enabled, back up the TPM Encryption Recovery Key.

- **FQXSPUP4003I: [arg1] firmware mismatch internal to system [arg2]. Please attempt to flash the [arg3] firmware.**

  This message is for the use case where a specific type of firmware mismatch has been detected.

  Severity: Error
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0042

User Action:

Complete the following steps until the problem is solved:

1. AC cycle the system.
2. Reflash XCC/BMC firmware to the latest version.

   Note: Some cluster solutions require specific code levels or coordinated code updates. If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before you update the code.
3. If the problem persists, collect service data log.
4. Contact Lenovo Support.

- **FQXSPUP4006I: Auto promote primary XCC to backup is [arg1] by user [arg2] from [arg3] at IP address [arg4].**

  Auto promote primary XCC to backup is enabled or disabled.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0281

  User Action:

  Information only; no action is required.

- **FQXSPUP4007I: Violation access to XCC SPI flash is detected and isolated.**

  This message is for the use case where violation access to XCC SPI flash is detected and isolated.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0298

  User Action:

  Complete the following steps until the problem is solved:

  1. Check for presence of hardware tampering or unauthorized physical access to the server.
  2. If the problem persists, collect service data log.
  3. Contact Lenovo Support.

- **FQXSPUP4008I: Violation access to UEFI SPI flash is detected and isolated.**

  This message is for the use case where violation access to UEFI SPI flash is detected and isolated.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0299

  User Action:

Complete the following steps until the problem is solved:

1. Check for presence of hardware tampering, unauthorized physical access to the server, or presence of any malware in host OS trying to write to UEFI flash memory.
2. If the problem persists, collect service data log.
3. Contact Lenovo Support.

- **FQXSPUP4009I: Please ensure that the system is flashed with the correct [arg1] firmware. The Management Controller is unable to match the firmware to the server.**

  This message is for the use case where a firmware version does not match the server.

  Severity: Error
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0324

  User Action:

  Complete the following steps until the problem is solved:

  1. Check the firmware package is correct.
  2. Reboot XCC and flash the firmware again.
  3. If the problem persists, collect service data log.
  4. Contact Lenovo Support.

- **FQXSPUP4010I: 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 [WatchdogName].**

  This message is for the use case when an implementation has detected a Watchdog Timer Expired.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: PLAT CIM ID: 0368

  User Action:

  Information only; no action is required.

- **FQXSPWD0001I: Reboot of system [ComputerSystemName] initiated by watchdog [WatchdogName].**

  This message is for the use case when an implementation has detected 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 [ComputerSystemName] initiated by watchdog [WatchdogName].**

  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 [ComputerSystemName] initiated by watchdog [WatchdogName].**

  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 [WatchdogName].**

  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.

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.

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
FQXSFIO0021J	PCIe LER has occurred in PCIe slot [arg1]. The adapter may not operate correctly.	Informational
FQXSFIO0022J	PCIe Link Width has degraded from [arg1] to [arg2] in PCIe slot [arg3].	Informational
FQXSFIO0023J	PCIe Link Speed has degraded from [arg1] to [arg2] in PCIe slot [arg3].	Informational
FQXSFIO0027I	The Bus:[arg1] Device:[arg2] Fun:[arg3] is attempted to boot PXE.	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
FQXSFMA0026I	DIMM [arg1] Self-healing attempt at Rank [arg2] Sub Rank [arg3] Bank [arg4] Row [arg5] in 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
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
FQXSFPU4037I	TPM Firmware recovery is finished.	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
FQXSFPU4049I	TPM Firmware update successful.	Informational
FQXSFPU4080I	Host Power-On password has been changed.	Informational
FQXSFPU4081I	Host Power-On password has been cleared.	Informational
FQXSFPU4082I	Host Admin password has been changed.	Informational
FQXSFPU4083I	Host Admin password has been cleared.	Informational
FQXSFPU4084I	Host boot order has been changed.	Informational
FQXSFPU4085I	Host WOL boot order has been changed.	Informational
FQXSFSM0007I	The XCC System Event log (SEL) is full.	Informational
FQXSFDD0001G	DRIVER HEALTH PROTOCOL: Missing Configuration. Requires Change Settings From F1.	Warning
FQXSFDD0002M	DRIVER HEALTH PROTOCOL: Reports 'Failed' Status Controller.	Warning
FQXSFDD0003I	DRIVER HEALTH PROTOCOL: Reports 'Reboot' Required Controller.	Warning
FQXSFDD0005M	DRIVER HEALTH PROTOCOL: Disconnect Controller Failed. Requires 'Reboot'.	Warning
FQXSFDD0006M	DRIVER HEALTH PROTOCOL: Reports Invalid Health Status Driver.	Warning
FQXSFDD0007G	Security Key Lifecycle Manager (SKLM) IPMI Error.	Warning

Table 3. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSFIO0008M	An intra-board UPI dynamic link width reduction has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].	Warning
FQXSFIO0013I	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
FQXSFIO0024M	PCIe Correctable Error PFA Threshold limit has been exceeded 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].	Warning
FQXSFIO0026L	Boot failure: No bootable device.	Warning
FQXSFIO0027L	Boot failure: PXE server not found.	Warning
FQXSFIO0028L	Boot failure: Invalid boot sector.	Warning
FQXSFIO0029G	Correctable CPU link error has been detected on processor [arg1].	Warning
FQXSFMA0012L	The [arg1] PFA Threshold limit has been exceeded on DIMM [arg2] at address [arg3]. [arg4]	Warning
FQXSFMA0027M	DIMM [arg1] Self-healing fail at Rank [arg2] Sub Rank [arg3] Bank [arg4] Row [arg5] in Device [arg6]. [arg7]	Warning
FQXSFMA0028M	DIMM [arg1] Self-healing attempt number over DIMM level threshold [arg2] at Rank [arg3] Sub Rank [arg4] Bank [arg5] Row [arg6] in Device [arg7]. [arg8]	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
FQXSFPU0032G	A boot configuration error has been detected.	Warning
FQXSFPU0038G	A correctable error (Type [arg1]) has been detected by processor [arg2].	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
FQXSFPU4036F	TPM Firmware recovery is starting. Please DO NOT power off or reset system.	Warning
FQXSFPU4040M	TPM selftest has failed.	Warning
FQXSFPU4043G	TPM Firmware update aborted. System is rebooting...	Warning
FQXSFPU4045G	Physical Presence is not asserted, abort TPM Firmware upgrade.	Warning
FQXSFPU4050G	Failed to update TPM Firmware.	Warning
FQXSFPU4051G	Undefined TPM_POLICY found	Warning
FQXSFPU4052G	TPM_POLICY is not locked	Warning

Table 3. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSFPU4053G	System TPM_POLICY does not match the planar.	Warning
FQXSFPU4054G	TPM card logical binding has failed.	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
FQXSFSM0006M	Unable to retrieve the system configuration from the XCC.	Warning
FQXSFSR0003G	The number of boot attempts has been exceeded. No bootable device found.	Warning
FQXSFTR0001L	An invalid date and time have been detected.	Warning
FQXSFIO0005M	An intra-board UPI failure has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].	Error
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, the physical slot number is [arg4]	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 slot number is [arg6].	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
FQXSFIO0030M	Uncorrectable CPU link error has been detected on processor [arg1].	Error
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
FQXSFMA0008M	DIMM [arg1] has failed the POST memory test. [arg2]	Error
FQXSFMA0029L	The [arg1] PFA Threshold limit has been exceeded on DIMM [arg2]. [arg3]	Error
FQXSFPU0018N	CATERR(IERR) has asserted on processor [arg1].	Error

Table 3. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSFPU0019N	An uncorrectable error has been detected on processor [arg1].	Error
FQXSFPU0030N	A firmware fault has been detected in the UEFI image.	Error
FQXSFPU0031N	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
FQXSFPU0034L	The TPM could not be initialized properly.	Error
FQXSFPU4056M	TPM card is changed, need install back the original TPM card which shipped with the system.	Error
FQXSFSM0008M	Boot permission timeout detected.	Error
FQXSFDD0004M	DRIVER HEALTH PROTOCOL: Reports 'System Shutdown' Required Controller.	TEST

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.**

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

  Severity: Warning

  User Response:

  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.
  5. Contact Lenovo Support.

- **FQXSFDD0002M: DRIVER HEALTH PROTOCOL: Reports 'Failed' Status Controller.**

  DRIVER HEALTH PROTOCOL: Reports 'Failed' Status Controller.

  Severity: Warning

  User Response:

  Complete the following steps:

  1. Reboot the system.
  2. Reflash the adapter firmware.
  3. If the problem persists, collect Service Data logs.
  4. Contact Lenovo Support.

- **FQXSFDD0003I: DRIVER HEALTH PROTOCOL: Reports 'Reboot' Required Controller.**

  DRIVER HEALTH PROTOCOL: Reports 'Reboot' Required Controller.

Severity: Warning

User Response:

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.
4. Contact Lenovo Support.

- **FQXSFDD0004M: DRIVER HEALTH PROTOCOL: Reports 'System Shutdown' Required Controller.**

  DRIVER HEALTH PROTOCOL: Reports 'System Shutdown' Required Controller.

  Severity: Fatal

  User Response:

  Complete the following steps:

  1. Reboot the system.
  2. Reflash the adapter firmware.
  3. If the problem persists, collect Service Data logs.
  4. Contact Lenovo Support.

- **FQXSFDD0005M: DRIVER HEALTH PROTOCOL: Disconnect Controller Failed. Requires 'Reboot'.**

  DRIVER HEALTH PROTOCOL: Disconnect Controller Failed. Requires 'Reboot'.

  Severity: Warning

  User Response:

  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.
  4. Contact Lenovo Support.

- **FQXSFDD0006M: DRIVER HEALTH PROTOCOL: Reports Invalid Health Status Driver.**

  DRIVER HEALTH PROTOCOL: Reports Invalid Health Status Driver.

  Severity: Warning

  User Response:

  Complete the following steps:

  1. Reboot the system.
  2. Reflash the adapter firmware.
  3. If the problem persists, collect Service Data logs.
  4. Contact Lenovo Support.

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

  Security Key Lifecycle Manager (SKLM) IPMI Error.

  Severity: Warning

  User Response:

  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.
4. 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].**

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

  Severity: Error

  User Response:

  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.
  3. If the problem persists, collect Service Data logs.
  4. Contact Lenovo Support.

- **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, the physical slot number is [arg4]**

  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, the physical slot number is [arg4]

  Severity: Error

  User Response:

  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.
  3. Contact Lenovo Support.

- **FQXSFIO0008M: An intra-board UPI dynamic link width reduction has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].**

  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 Response:

  Complete the following steps:

  1. Reboot the system.
  2. If the problem persists, collect Service Data logs.
  3. Contact Lenovo Support.

- **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 slot number is [arg6].**

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 slot number is [arg6].

Severity: Error

User Response:

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.
3. If the problem persists, collect Service Data logs.
4. Contact Lenovo Support.

- **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].**

  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 Response:

  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.
  3. If the problem persists, collect Service Data logs.
  4. Contact Lenovo Support.

- **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].**

  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 Response:

  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.
  3. If the problem persists, collect Service Data logs.
  4. Contact Lenovo Support.

- **FQXSFIO0013I: 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].**

  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 Response:

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. 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.
5. Contact Lenovo Support.

- **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].**

  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 Response:

  Complete the following steps:

  1. If thisPCIe 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.
  5. Contact Lenovo Support.

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

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

  Severity: Error

  User Response:

  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.
  3. Contact Lenovo Support.

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

  PCIe Resource Conflict [arg1].

Severity: Error

User Response:

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.

- **FQXSFIO0021J: PCIe LER has occurred in PCIe slot [arg1]. The adapter may not operate correctly.**

  PCIe LER has occurred in PCIe slot [arg1]. The adapter may not operate correctly.

  Severity: Info

  User Response:

  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 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.
  5. Contact Lenovo Support.
- **FQXSFIO0022J: PCIe Link Width has degraded from [arg1] to [arg2] in PCIe slot [arg3].**

  PCIe Link Width has degraded from [arg1] to [arg2] in PCIe slot [arg3].

  Severity: Info

  User Response:

  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 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.
  5. Contact Lenovo Support.
- **FQXSFIO0023J: PCIe Link Speed has degraded from [arg1] to [arg2] in PCIe slot [arg3].**

  PCIe Link Speed has degraded from [arg1] to [arg2] in PCIe slot [arg3].

  Severity: Info

  User Response:

  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 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.
5. Contact Lenovo Support.

- **FQXSFIO0024M: PCIe Correctable Error PFA Threshold limit has been exceeded 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].**

  PCIe Correctable Error PFA Threshold limit has been exceeded 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: Warning

  User Response:

- **FQXSFIO0026L: Boot failure: No bootable device.**

  Boot failure: No bootable device.

  Severity: Warning

  User Response:

  Complete the following steps:

  1. Check if there is any connection problems with boot device and if any OS installed in boot device, then Reboot the system.
  2. If the problem persists, collect Service Data logs.
  3. Contact Lenovo Support.

- **FQXSFIO0027I: The Bus:[arg1] Device:[arg2] Fun:[arg3] is attempted to boot PXE.**

  The Bus:[arg1] Device:[arg2] Fun:[arg3] is attempted to boot PXE.

  Severity: Info

  User Response:

- **FQXSFIO0027L: Boot failure: PXE server not found.**

  Boot failure: PXE server not found.

  Severity: Warning

  User Response:

  Complete the following steps:

  1. Check if there is any connection problems with PXE sever and check PXE sever status, then Reboot the system.
  2. If the problem persists, collect Service Data logs.
  3. Contact Lenovo Support.

- **FQXSFIO0028L: Boot failure: Invalid boot sector.**

  Boot failure: Invalid boot sector.

  Severity: Warning

  User Response:

Complete the following steps:

1. Replace the device with another good device, then Reboot the system.
2. If the problem persists, collect Service Data logs.
3. Contact Lenovo Support.

- **FQXSFIO0029G: Correctable CPU link error has been detected on processor [arg1].**

  Correctable CPU link error has been detected on processor [arg1].

  Severity: Warning

  User Response:

  Complete the following steps:

  1. Reboot the system.
  2. If the problem persists, collect Service Data logs.
  3. Contact Lenovo Support.

- **FQXSFIO0030M: Uncorrectable CPU link error has been detected on processor [arg1].**

  Uncorrectable CPU link error has been detected on processor [arg1].

  Severity: Error

  User Response:

  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.
  3. Contact Lenovo Support.

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

  DIMM [arg1] Disable has been recovered. [arg2]

  Severity: Info

  User Response:

  This is an information event, no user action is required.

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

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

  Severity: Error

  User Response:

  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.
  5. Contact Lenovo Support.

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

The uncorrectable memory error state has been cleared.

Severity: Info

User Response:

This is an information event, no user action is required.

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

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

  Severity: Error

  User Response:

  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. Check Lenovo support site for an applicable service bulletin or firmware update that applies to this memory error.
  3. If problem recurs collect Service Data log.
  4. Contact Lenovo Support.

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

  [arg1] DIMM [arg2] has been detected, the DIMM serial number is [arg3].

  Severity: Info

  User Response:

  Complete the following steps:

  1. If this information event is logged in the XCC event log, the server does not have qualified 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. Please 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.

- **FQXSFMA0007I: [arg1] DIMM number [arg2] has been replaced. [arg3]**

  [arg1] DIMM number [arg2] has been replaced. [arg3]

  Severity: Info

  User Response:

  Complete the following steps:

  1. If this information event is logged in the XCC event log, the server does not have qualified 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. Please 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.

- **FQXSFMA0008I: DIMM [arg1] POST memory test failure has been recovered. [arg2]**

  DIMM [arg1] POST memory test failure has been recovered. [arg2]

  Severity: Info

  User Response:

  This is an information event, no user action is required.

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

  DIMM [arg1] has failed the POST memory test. [arg2]

  Severity: Error

  User Response:

  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. If the DIMMs have been upgraded just prior to the issue than update uEFI to the latest version.
  4. If the problem persists, collect Service Data logs.
  5. Contact Lenovo Support.

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

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

  Severity: Warning

  User Response:

  Complete the following steps:

  1. Reseat 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. 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.
  4. Contact Lenovo Support.

- **FQXSFMA0026I: DIMM [arg1] Self-healing attempt at Rank [arg2] Sub Rank [arg3] Bank [arg4] Row [arg5] in Device [arg6]. [arg7]**

  DIMM [arg1] Self-healing attempt at Rank [arg2] Sub Rank [arg3] Bank [arg4] Row [arg5] in Device [arg6]. [arg7]

  Severity: Info

  User Response:

  This is an information event, no user action is required.

- **FQXSFMA0027M: DIMM [arg1] Self-healing fail at Rank [arg2] Sub Rank [arg3] Bank [arg4] Row [arg5] in Device [arg6]. [arg7]**

  DIMM [arg1] Self-healing fail at Rank [arg2] Sub Rank [arg3] Bank [arg4] Row [arg5] in Device [arg6]. [arg7]

Severity: Warning

User Response:

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.
5. Contact Lenovo Support.

- **FQXSFMA0028M: DIMM [arg1] Self-healing attempt number over DIMM level threshold [arg2] at Rank [arg3] Sub Rank [arg4] Bank [arg5] Row [arg6] in Device [arg7]. [arg8]**

  DIMM [arg1] Self-healing attempt number over DIMM level threshold [arg2] at Rank [arg3] Sub Rank [arg4] Bank [arg5] Row [arg6] in Device [arg7]. [arg8]

  Severity: Warning

  User Response:

  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.
  5. Contact Lenovo Support.

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

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

  Severity: Info

  User Response:

  This is an information event, no user action is required.

- **FQXSFMA0029L: The [arg1] PFA Threshold limit has been exceeded on DIMM [arg2]. [arg3]**

  The [arg1] PFA Threshold limit has been exceeded on DIMM [arg2]. [arg3]

  Severity: Error

  User Response:

  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. 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.
  4. Contact Lenovo Support.

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

  A correctable memory error has been detected on DIMM [arg1]. [arg2]

Severity: Info

User Response:

- **FQXSFPU0018N: CATERR(IERR) has asserted on processor [arg1].**

  CATERR(IERR) has asserted on processor [arg1].

  Severity: Error

  User Response:

  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.
  4. Contact Lenovo Support.

- **FQXSFPU0019N: An uncorrectable error has been detected on processor [arg1].**

  An uncorrectable error has been detected on processor [arg1].

  Severity: Error

  User Response:

  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.

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

  Hardware physical presence is in asserted state.

  Severity: Warning

  User Response:

  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.
  4. Contact Lenovo Support.

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

  The TPM physical presence state has been cleared.

  Severity: Info

  User Response:

  This is an information event, no user action is required.

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

  The TPM configuration is not locked.

Severity: Warning

User Response:

Complete the following steps:

1. Reboot the system.
2. If the problem persists, collect Service Data logs.
3. Contact Lenovo Support.

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

  Secure Boot Image Verification Failure Warning.

  Severity: Warning

  User Response:

  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, please 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).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. (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.
  4. Contact Lenovo Support.

- **FQXSFPU0023I: Secure Boot Image Verification Failure has been cleared as no failure in this round boot.**

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

  Severity: Info

  User Response:

  This is an information event, no user action is required.

- **FQXSFPU0024G: Intel UEFI ACM startup failed, make sure TPM is enabled.**

  Intel UEFI ACM startup failed, make sure TPM is enabled.

  Severity: Warning

  User Response:

  Complete the following steps:

  1. Assert Physical Presence via the Physical Presence Jumper or Remote Physical Presence:

     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".

2. Enable and activate the TPM. The setting can be found in F1 at "System Settings -> Security -> Trusted Platform Module -> TPM2".
   a. Change [TPM Device] to "Enable".
   b. Change [TPM State] to "Activate".
3. Reboot the system.
4. If the problem persists, collect Service Data logs.
5. Contact Lenovo Support.

- **FQXSFPU0025I: The default system settings have been restored.**

  The default system settings have been restored.

  Severity: Info

  User Response:

  This is an information event, no user action is required.

- **FQXSFPU0030N: A firmware fault has been detected in the UEFI image.**

  A firmware fault has been detected in the UEFI image.

  Severity: Error

  User Response:

  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.
  6. Contact Lenovo Support.

- **FQXSFPU0031N: 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.**

  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 Response:

  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.
7. Contact Lenovo Support.

- **FQXSFPU0032G: A boot configuration error has been detected.**

  A boot configuration error has been detected.

  Severity: Warning

  User Response:

  Complete the following steps:

  1. F1 Setup -> Save Settings
  2. Retry OOB config update.
  3. If the problem persists, collect Service Data logs.
  4. Contact Lenovo Support.

- **FQXSFPU0034L: The TPM could not be initialized properly.**

  The TPM could not be initialized properly.

  Severity: Error

  User Response:

  Complete the following steps:

  1. Reboot the system. Reflash UEFI image.
  2. If the problem persists, collect Service Data logs.
  3. Contact Lenovo Support.

- **FQXSFPU0038G: A correctable error (Type [arg1]) has been detected by processor [arg2].**

  A correctable error (Type [arg1]) has been detected by processor [arg2].

  Severity: Warning

  User Response:

- **FQXSFPU4033F: TPM Firmware recovery is in progress. Please DO NOT power off or reset system.**

  TPM Firmware recovery is in progress. Please DO NOT power off or reset system.

  Severity: Warning

  User Response:

  This is an information event, no user action is required.

  Note: The system will not respond to power off signal (FQXSFPU4034I) while TPM firmware recovery in progress.

- **FQXSFPU4034I: TPM Firmware recovery is finished, rebooting system to take effect.**

  TPM Firmware recovery is finished, rebooting system to take effect.

  Severity: Info

User Response:

No user required for this event. This is for informational purposes only.

- **FQXSFPU4035M: TPM Firmware recovery failed. TPM chip may be damaged.**

  TPM Firmware recovery failed. TPM chip may be damaged.

  Severity: Warning

  User Response:

  1. Reboot the system.
  2. If the error recurs TPM related features will not work.
  3. If the problem persists, collect Service Data logs.
  4. Contact Lenovo Support.

- **FQXSFPU4036F: TPM Firmware recovery is starting. Please DO NOT power off or reset system.**

  TPM Firmware recovery is starting. Please DO NOT power off or reset system.

  Severity: Warning

  User Response:

  This is an information event, no user action is required.

- **FQXSFPU4037I: TPM Firmware recovery is finished.**

  TPM Firmware recovery is finished.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

- **FQXSFPU4038I: TPM Firmware recovery successful.**

  TPM Firmware recovery successful.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

- **FQXSFPU4040M: TPM selftest has failed.**

  TPM selftest has failed.

  Severity: Warning

  User Response:

  1. Reboot the system.
  2. If the error recurs TPM related features will not work.
  3. If the problem persists, collect Service Data logs.
  4. Contact Lenovo Support.

- **FQXSFPU4041I: TPM Firmware update is in progress. Please DO NOT power off or reset system.**

  TPM Firmware update is in progress. Please DO NOT power off or reset system.

  Severity: Info

  User Response:

No user required for this event. This is for informational purposes only.

- **FQXSFPU4042I: TPM Firmware update is finished, rebooting system to take effect.**

  TPM Firmware update is finished, rebooting system to take effect.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

- **FQXSFPU4043G: TPM Firmware update aborted. System is rebooting...**

  TPM Firmware update aborted. System is rebooting...

  Severity: Warning

  User Response:

  This is an information event, no user action is required.

- **FQXSFPU4044I: The current TPM firmware version could not support TPM version toggling.**

  The current TPM firmware version could not support TPM version toggling.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

- **FQXSFPU4045G: Physical Presence is not asserted, abort TPM Firmware upgrade.**

  Physical Presence is not asserted, abort TPM Firmware upgrade.

  Severity: Warning

  User Response:

  This is an information event, no user action is required.

- **FQXSFPU4046I: TPM Firmware will be updated from TPM1.2 to TPM2.0.**

  TPM Firmware will be updated from TPM1.2 to TPM2.0.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

- **FQXSFPU4047I: TPM Firmware will be updated from TPM2.0 to TPM1.2.**

  TPM Firmware will be updated from TPM2.0 to TPM1.2.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

- **FQXSFPU4049I: TPM Firmware update successful.**

  TPM Firmware update successful.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

- **FQXSFPU4050G: Failed to update TPM Firmware.**

  Failed to update TPM Firmware.

  Severity: Warning

  User Response:

  This is an information event, no user action is required.
- **FQXSFPU4051G: Undefined TPM_POLICY found**

  Undefined TPM_POLICY found

  Severity: Warning

  User Response:

  1. Reboot the system.
  2. If the problem persists, collect Service Data logs.
  3. Contact Lenovo Support.
- **FQXSFPU4052G: TPM_POLICY is not locked**

  TPM_POLICY is not locked

  Severity: Warning

  User Response:

  1. Reboot the system.
  2. If the problem persists, collect Service Data logs.
  3. Contact Lenovo Support.
- **FQXSFPU4053G: System TPM_POLICY does not match the planar.**

  System TPM_POLICY does not match the planar.

  Severity: Warning

  User Response:

  1. Remove any newly added TPM card from the planar or re-install the original TPM card that shipped with the system.
  2. Reboot the system.
  3. If the problem persists, collect Service Data logs.
  4. Contact Lenovo Support.
- **FQXSFPU4054G: TPM card logical binding has failed.**

  TPM card logical binding has failed.

  Severity: Warning

  User Response:

  1. Reboot the system.
  2. If the problem persists, collect Service Data logs.
  3. Contact Lenovo Support.
- **FQXSFPU4056M: TPM card is changed, need install back the original TPM card which shipped with the system.**

  TPM card is changed, need install back the original TPM card which shipped with the system.

Severity: Error

User Response:

1. Re-install the original TPM card that shipped with the system.
2. Reboot the system.
3. If the problem persists, collect Service Data logs.
4. Contact Lenovo Support.

- **FQXSFPU4080I: Host Power-On password has been changed.**

  Host Power-On password has been changed.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

- **FQXSFPU4081I: Host Power-On password has been cleared.**

  Host Power-On password has been cleared.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

- **FQXSFPU4082I: Host Admin password has been changed.**

  Host Admin password has been changed.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

- **FQXSFPU4083I: Host Admin password has been cleared.**

  Host Admin password has been cleared.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

- **FQXSFPU4084I: Host boot order has been changed.**

  Host boot order has been changed.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

- **FQXSFPU4085I: Host WOL boot order has been changed.**

  Host WOL boot order has been changed.

  Severity: Info

  User Response:

  No user required for this event. This is for informational purposes only.

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

Boot Permission denied by Management Module: System Halted.

Severity: Warning

User Response:

Complete the following steps:

1. Check XCC logs.
2. Review power policies and system configuration settings in the XCC GUI.
3. If the problem persists, collect Service Data logs.
4. Contact Lenovo Support.

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

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

  Severity: Warning

  User Response:

  Complete the following steps:

  1. Check XCC logs.
  2. Review power policies and system configuration settings in the XCC GUI.
  3. If the problem persists, collect Service Data logs.
  4. Contact Lenovo Support.

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

  An XCC communication failure has occurred.

  Severity: Warning

  User Response:

  Complete the following steps:

  1. Check the XCC network cables and configuration.
  2. AC cycle the system.
  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.
  6. Contact Lenovo Support.

- **FQXSFSM0006M: Unable to retrieve the system configuration from the XCC.**

  Unable to retrieve the system configuration from the XCC.

  Severity: Warning

  User Response:

  Complete the following steps:

  1. Check Lenovo support site for an applicable service bulletin or firmware update that applies to this error.
  2. AC cycle the system.

3. if problem persists, check if UEFI firmware version and XCC firmware version are matched with one Lenovo firmware oficial release. if not, please update UEFI and XCC firmware to the supported combination.
4. Remove and re-install CMOS battery for 30 seconds to clear CMOS contents.
5. If the problem persists, collect Service Data logs.
6. Contact Lenovo Support.

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

  The XCC System Event log (SEL) is full.

  Severity: Info

  User Response:

  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.**

  Boot permission timeout detected.

  Severity: Error

  User Response:

  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.
  4. Contact Lenovo Support.

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

  The number of boot attempts has been exceeded. No bootable device found.

  Severity: Warning

  User Response:

  Complete the following steps:

  1. Remove AC power from the system.
  2. Connect at least one bootable device ot the system.
  3. Connect AC power to the system.
  4. Power on system and retry.
  5. If the problem persists, collect Service Data logs.
  6. Contact Lenovo Support.

- **FQXSFTR0001L: An invalid date and time have been detected.**

  An invalid date and time have been detected.

  Severity: Warning

  User Response:

  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.
4. Contact Lenovo Support.

Chapter 4. Lenovo XClarity Provisioning Manager V3 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.

LXPM V3 events organized by severity

The following table lists all LXPM V3 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
FQXPMCL0006I	Export raid config successfully.	Informational
FQXPMCL0007I	Import raid config successfully.	Informational
FQXPMCL0008I	Export uefi settings successfully.	Informational
FQXPMCL0009I	Import uefi settings successfully.	Informational
FQXPMCL0010I	Export bmc settings successfully.	Informational
FQXPMCL0011I	Import bmc settings successfully.	Informational
FQXPMEM0002I	LXPM firmware image found. Starting LXPM	Informational
FQXPMEM0003I	LXPM has exited. Control returned to UEFI	Informational

Table 4. Events organized by severity (continued)

Event ID	Message String	Severity
FQXPMEM0004I	Launching diagnostic program	Informational
FQXPMEM0005I	boot diagnostic program success	Informational
FQXPMER0002I	Clearing RAID configuration and internal storage	Informational
FQXPMER0003I	RAID configuration cleared successfully	Informational
FQXPMER0004I	Internal storage drives erased successfully	Informational
FQXPMER0005I	All system logs cleared successfully	Informational
FQXPMER0006I	UEFI factory default settings loaded successfully	Informational
FQXPMER0007I	BMC factory default settings loaded successfully	Informational
FQXPMNM0002I	Set BMC network parameters to new values.	Informational
FQXPMOS0028I	[arg1] 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
FQXPMCL0005K	Current System Boot Mode is Legacy. OS Clone only support UEFI Mode.	Warning
FQXPMCL0006K	Failed to export raid config.	Warning
FQXPMCL0007K	Failed to import raid config.	Warning
FQXPMCL0008K	Failed to export uefi settings.	Warning
FQXPMCL0009K	Failed to import uefi settings.	Warning
FQXPMCL0010K	Failed to export bmc settings.	Warning
FQXPMCL0011K	Failed import bmc settings.	Warning
FQXPMNM0001G	Failed to set new BMC network parameters.	Warning
FQXPMOS0001K	Bootx64.efi is not found. Failed to Boot OS.	Warning

Table 4. Events organized by severity (continued)

Event ID	Message String	Severity
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	Please 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
FQXPMSR0001K	Found unsupported RAID adapter.	Warning
FQXPMSR0011K	Failed to change disk drives' state.	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
FQXPMVD0012K	Failed to set the TPM/TPM card/TCM policy	Warning
FQXPMEM0001M	Unable to locate LXPM firmware image	Error
FQXPMEM0006M	Unable to locate diagnostic firmware image	Error
FQXPMEM0007M	Diagnostic image cannot be launched as "Console Redirection" is enabled	Error
FQXPMEM0008M	Diagnostic image cannot be launched as the image may be corrupt	Error
FQXPMER0002M	Failed to clear RAID configuration	Error
FQXPMER0003M	Failed to erase internal storage drives	Error
FQXPMER0004M	Failed to clear system logs	Error
FQXPMER0005M	Failed to load UEFI factory default settings	Error

Table 4. Events organized by severity (continued)

Event ID	Message String	Severity
FQXPMER0006M	Failed to load XCC factory default settings	Error
FQXPMSD0001M	HDD Test was interrupted by the host with a hardware or software reset	Error
FQXPMSD0002M	A fatal error or unknown test error occurred while the device was executing its self-test	Error
FQXPMSD0003M	self-test completed having a test element that failed and the test element that failed is not known.	Error
FQXPMSD0004M	self-test completed having the electrical element of the test failed.	Error
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 is occurred when LXPM send command to test hard drive.	Error
FQXPMSD0010M	uEFI is timeout while LXPM send command to test 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 Lenovo XClarity Provisioning Manager V3 events

This section lists all messages that can be sent from the Lenovo XClarity Provisioning Manager V3.

- **FQXPMCL0001K: Bootx64.efi is not found. Failed to Boot OS.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

   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, please contact technical support.

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

- **FQXPMCL0003K: BMC communication failed: DRIVER Mount Failure.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

- **FQXPMCL0004K: BMC communication succeeded. Volume Name MISMATCHED.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

   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, please contact technical support.

- **FQXPMCL0005I: Start to install OS.**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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.

- **FQXPMCL0006I: Export raid config successfully.**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMCL0006K: Failed to export raid config.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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, please contact technical support.

- **FQXPMCL0007I: Import raid config successfully.**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

Information only; no action is required.

- **FQXPMCL0007K: Failed to import raid config.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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, please contact technical support.

- **FQXPMCL0008I: Export uefi settings successfully.**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMCL0008K: Failed to export uefi settings.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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, please contact technical support.

- **FQXPMCL0009I: Import uefi settings successfully.**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMCL0009K: Failed to import uefi settings.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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, please contact technical support.

- **FQXPMCL0010I: Export bmc settings successfully.**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMCL0010K: Failed to export bmc settings.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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, please contact technical support.

- **FQXPMCL0011I: Import bmc settings successfully.**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMCL0011K: Failed import bmc settings.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

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

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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

     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, please contact technical support.

- **FQXPMEM0002I: LXPM firmware image found. Starting LXPM**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

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

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMEM0004I: Launching diagnostic program**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMEM0005I: boot diagnostic program success**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

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

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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

   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, please contact technical support.

- **FQXPMEM0007M: Diagnostic image cannot be launched as "Console Redirection" is enabled**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

- **FQXPMEM0008M: Diagnostic image cannot be launched as the image may be corrupt**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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

     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, please contact technical support.

- **FQXPMER0002I: Clearing RAID configuration and internal storage**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMER0002M: Failed to clear RAID configuration**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Restart the system and retry the operation again.
  2. If the problem persists, contact technical support.

- **FQXPMER0003I: RAID configuration cleared successfully**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMER0003M: Failed to erase internal storage drives**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Ensure the proper connection of hard drives, backplane, and related cables.
  2. Check if security function is enabled for the hard disk drives, if yes, disable that and retry the operation.
  3. Ensure device firmware is at the latest level.
  4. Restart the system and retry the operation again.
  5. If the problem persists, contact technical support.

- **FQXPMER0004I: Internal storage drives erased successfully**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMER0004M: Failed to clear system logs**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Restart BMC via supported method and reboot the system.
  2. Retry this operation again.
  3. If the problem persists, contact technical support.

- **FQXPMER0005I: All system logs cleared successfully**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMER0005M: Failed to load UEFI factory default settings**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

User Response:

1. Restart BMC via supported method and reboot the system.
2. Retry this operation again.
3. If the problem persists, contact technical support.

- **FQXPMER0006I: UEFI factory default settings loaded successfully**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMER0006M: Failed to load XCC factory default settings**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Restart BMC via supported method and reboot the system.
  2. Retry this operation again.
  3. If the problem persists, perform AC power cycle. (wait several seconds between AC power is off and on)
  4. Retry this operation again.
  5. If the problem persists, contact technical support.

- **FQXPMER0007I: BMC factory default settings loaded successfully**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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
  Audit Log: TRUE
  Automatically notify Support:

User Response:

Information only; no action is required.

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

- **FQXPMOS0005K: BMC communication failed: DRIVER Mount Failure.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

- **FQXPMOS0006K: BMC communication succeeded. Volume Name MISMATCHED.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

- **FQXPMOS0007K: Failed to read License RTF file.**

  Severity: Warning

Audit Log: TRUE
Automatically notify Support:

User Response:

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 reseat.

   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, please contact technical support.

- **FQXPMOS0008K: Please make sure the Ethernet cable has been plugged into your computer and your network settings are correct.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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, please contact technical support.

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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

- **FQXPMOS0028I: [arg1] OS installed**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

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

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

1. Remove A/C from the server and reseat 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, please contact technical support.

- **FQXPMSD0002M: A fatal error or unknown test error occurred while the device was executing its self-test**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Remove A/C from the server and reseat 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, please contact technical support.

- **FQXPMSD0003M: self-test completed having a test element that failed and the test element that failed is not known.**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Remove A/C from the server and reseat 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, please contact technical support.

- **FQXPMSD0004M: self-test completed having the electrical element of the test failed.**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Remove A/C from the server and reseat 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, please contact technical support.

- **FQXPMSD0005M: self-test completed having the servo (and/or seek) test element of the test failed.**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

1. Remove A/C from the server and reseat 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, please contact technical support.

- **FQXPMSD0006M: self-test completed having the read element of the test failed.**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Remove A/C from the server and reseat 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, please contact technical support.

- **FQXPMSD0007M: Hard Drive(s) not found**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Remove A/C from the server and reseat 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, please contact technical support.

- **FQXPMSD0008M: UEFI is not ready for LXPM to send command to test hard drive.**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Reboot system and run the test again.
  2. If this message is still reported, please 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, please contact technical support.

- **FQXPMSD0009M: Device error is occurred when LXPM send command to test hard drive.**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Reboot system and run the test again later.

2. If this message is still reported, please 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, please contact technical support.

- **FQXPMSD0010M: uEFI is timeout while LXPM send command to test hard drive.**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Reboot system and run the test again later.
  2. If this message is still reported, please 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, please contact technical support.

- **FQXPMSD0011M: The hard drive is not supported by uEFI while LXPM send command to test hard drive.**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Please check hard drive specification to see if the hard drive support ATA self-test feature.
  2. If the problem persists, please contact technical support.

- **FQXPMSR0001K: Found unsupported RAID adapter.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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, please contact technical support.

- **FQXPMSR0011K: Failed to change disk drives' state.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 healty.
  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 satus)
  5. Reboot the machine and retry to change disk drives' state.
  6. If the problem persists, please contact technical support.

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

Severity: Info
Audit Log: TRUE
Automatically notify Support:

User Response:

Information only; no action is required.

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Ensure LXPM and RAID adapter firmware are at the latest levels.
  2. Ensure the state of RAID adapter and disk drives are both healty.
  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, please contact technical support.

- **FQXPMSR0022I: Create new virtual disk successfully.**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Ensure LXPM and RAID adapter firmware are at the latest levels.
  2. Ensure the state of RAID adapter and disk drives are both healty.
  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, please contact technical support.

- **FQXPMSR0032I: Removed existing virtual disk successfully.**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

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

  Severity: Warning

Audit Log: TRUE
Automatically notify Support:

User Response:

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

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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

     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, please contact technical support.

- **FQXPMUP0004K: Unable to obtain the installed version of UEFI**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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

     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, please contact technical support.

- **FQXPMUP0005K: Unable to obtain the installed version of BMC**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Restart BMC via supported method and reboot the system.
  2. Reflash BMC firmware.

3. Perform AC reset or virtual reseat.

   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, please contact technical support.

- **FQXPMUP0006K: Unable to obtain the installed version of LXPM**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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

     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, please contact technical support.

- **FQXPMUP0007K: Unable to obtain the installed version of linux driver**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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

     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, please contact technical support.

- **FQXPMUP0008K: Unable to obtain the installed version of windows driver**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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

     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, please contact technical support.

- **FQXPMUP0101I: Start to update LXPM**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

User Response:

Information only; no action is required.

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

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

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

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMUP0104I: Start to update UEFI**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMUP0105I: Start to update BMC**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

- **FQXPMUP0106I: Successfully updated the firmware**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

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

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

   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, please contact technical support.

- **FQXPMUP0202M: Transfer the update package error. Failed to update the firmware**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

- **FQXPMUP0203M: BMC communication failed: EMMC2USB unmount failure. Failed to update the firmware**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

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

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

User Response:

1. Restart BMC via supported method.
2. Reflash BMC firmware.
3. Perform AC reset or virtual reseat.

   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, please contact technical support.

- **FQXPMUP0205M: BMC communication failed: Get the update status failure.Failed to update the firmware**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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

     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, please contact technical support.

- **FQXPMUP0206M: The level of the update package is too old. Failed to update the firmware.**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  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 reseat.

     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, please contact technical support.

- **FQXPMUP0207M: The update package is invalid. Failed to update the firmware.**

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

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 reseat.

   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, please contact technical support.

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

  Severity: Error
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Restart BMC via supported method and reboot the system.
  2. Reflash BMC firmware.
  3. If the problem persists, perform AC reset or virtual reseat.

     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, please contact technical support.

- **FQXPMVD0001H: Failed to get VPD data.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Press "Back" button and press "Update VPD..." button again.
  2. Perform AC reset or virtual reseat 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, please contact technical support.

- **FQXPMVD0002H: Failed to update the VPD data.**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Press "Update" button on VPD update page.
  2. Perform AC reset or virtual reseat 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, please contact technical support.

- **FQXPMVD0003I: Update VPD data successfully.**

  Severity: Info
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  Information only; no action is required.

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

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Press "Back" button and press "Update VPD..." button again.
  2. Perform AC reset or virtual reseat 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, please contact technical support.

- **FQXPMVD0012K: Failed to set the TPM/TPM card/TCM policy**

  Severity: Warning
  Audit Log: TRUE
  Automatically notify Support:

  User Response:

  1. Press "Apply" button on VPD update page.
  2. Reboot the system if step 1 failed.
  3. If the problem persists, please contact technical support.

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.

Before you call

Before you call, there are several steps that you can take to try and solve the problem yourself. If you decide that you do need to call for assistance, gather the information that will be needed by the service technician to more quickly resolve your problem.

Attempt to resolve the problem yourself

You can solve many problems without outside assistance by following the troubleshooting procedures that Lenovo provides in the online help or in the Lenovo product documentation. The online help also describes the diagnostic tests that you can perform. The documentation for most systems, operating systems, and programs contains troubleshooting procedures and explanations of error messages and error codes. If you suspect a software problem, see the documentation for the operating system or program.

You can find the product documentation for your ThinkSystem products at the following location:

https://pubs.lenovo.com/

You can take these steps to try to solve the problem yourself:

- Check all cables to make sure that they are connected.
- Check the power switches to make sure that the system and any optional devices are turned on.
- Check for updated software, firmware, and operating-system device drivers for your Lenovo product. (See the following links) The Lenovo Warranty terms and conditions state that you, the owner of the Lenovo product, are responsible for maintaining and updating all software and firmware for the product (unless it is covered by an additional maintenance contract). Your service technician will request that you upgrade your software and firmware if the problem has a documented solution within a software upgrade.
  - Drivers and software downloads
    - https://datacentersupport.lenovo.com/products/servers/thinksystem/d3chassis/7dd0/downloads/driver-list/
  - Operating system support center
    - https://datacentersupport.lenovo.com/solutions/server-os
  - Operating system installing instructions
    - https://pubs.lenovo.com/thinksystem#os-installation
- If you have installed new hardware or software in your environment, check https://serverproven.lenovo.com to make sure that the hardware and software are supported by your product.
- Refer to “Problem Determination” in *User Guide* or *Hardware Maintenance Guide* for instructions on isolating and solving issues.

- Go to http://datacentersupport.lenovo.com and check for information to help you solve the problem.

  To find the Tech Tips available for your server:

  1. Go to http://datacentersupport.lenovo.com and navigate to the support page for your server.
  2. Click on **How To's** from the navigation pane.
  3. Click **Article Type → Solution** from the drop-down menu.

     Follow the on-screen instructions to choose the category for the problem that you are having.
- Check Lenovo Data Center Forum at https://forums.lenovo.com/t5/Datacenter-Systems/ct-p/sv_eg to see if someone else has encountered a similar problem.

Gathering information needed to call Support

If you require warranty service for your Lenovo product, the service technicians will be able to assist you more efficiently if you prepare the appropriate information before you call. You can also go to http://datacentersupport.lenovo.com/warrantylookup for more information about your product warranty.

Gather the following information to provide to the service technician. This data will help the service technician quickly provide a solution to your problem and ensure that you receive the level of service for which you might have contracted.

- Hardware and Software Maintenance agreement contract numbers, if applicable
- Machine type number (Lenovo 4-digit machine identifier). Machine type number can be found on the ID label, see "Identifying the server and access the Lenovo XClarity Controller" in *User Guide* or *System Configuration Guide*.
- Model number
- Serial number
- Current system UEFI and firmware levels
- Other pertinent information such as error messages and logs

As an alternative to calling Lenovo Support, you can go to https://support.lenovo.com/servicerequest to submit an Electronic Service Request. Submitting an Electronic Service Request will start the process of determining a solution to your problem by making the pertinent information available to the service technicians. The Lenovo service technicians can start working on your solution as soon as you have completed and submitted an Electronic Service Request.

Collecting service data

To clearly identify the root cause of a server issue or at the request of Lenovo Support, you might need collect service data that can be used for further analysis. Service data includes information such as event logs and hardware inventory.

Service data can be collected through the following tools:

- **Lenovo XClarity Provisioning Manager**

  Use the Collect Service Data function of Lenovo XClarity Provisioning Manager to collect system service data. You can collect existing system log data or run a new diagnostic to collect new data.
- **Lenovo XClarity Controller**

  You can use the Lenovo XClarity Controller web interface or the CLI to collect service data for the server. The file can be saved and sent to Lenovo Support.

  - For more information about using the web interface to collect service data, see the “Backing up the BMC configuration” section in the XCC documentation compatible with your server at https://pubs.lenovo.com/lxcc-overview/.
  - For more information about using the CLI to collect service data, see the “XCC `servicelog` command” section in the XCC documentation compatible with your server at https://pubs.lenovo.com/lxcc-overview/.

- **Lenovo XClarity Administrator**

  Lenovo XClarity Administrator can be set up to collect and send diagnostic files automatically to Lenovo Support when certain serviceable events occur in Lenovo XClarity Administrator and the managed endpoints. You can choose to send diagnostic files to Lenovo Support using Call Home or to another service provider using SFTP. You can also manually collect diagnostic files, open a problem record, and send diagnostic files to the Lenovo Support.

  You can find more information about setting up automatic problem notification within the Lenovo XClarity Administrator at https://pubs.lenovo.com/lxca/admin_setupcallhome.

- **Lenovo XClarity Essentials OneCLI**

  Lenovo XClarity Essentials OneCLI has inventory application to collect service data. It can run both in-band and out-of-band. When running in-band within the host operating system on the server, OneCLI can collect information about the operating system, such as the operating system event log, in addition to the hardware service data.

  To obtain service data, you can run the `getinfor` command. For more information about running the `getinfor`, see https://pubs.lenovo.com/lxce-onecli/onecli_r_getinfor_command.

Contacting Support

You can contact Support to obtain help for your issue.

You can receive hardware service through a Lenovo Authorized Service Provider. To locate a service provider authorized by Lenovo to provide warranty service, go to https://datacentersupport.lenovo.com/serviceprovider and use filter searching for different countries. For Lenovo support telephone numbers, see https://datacentersupport.lenovo.com/supportphonelist for your region support details.