Lenovo

ThinkSystem SE350 and ThinkSystem SE350 Enclosures
Messages and Codes Reference

Machine Type: 7Z46, 7D1X, 7D27, and 7D1R

Note

Before using this information and the product it supports, be sure to read and understand the safety information and the safety instructions, which are available at:
http://thinksystem.lenovofiles.com/help/topic/safety_documentation/pdf_files.html

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

Fourteenth Edition (November 2022)

Contents

Chapter 1. Introduction

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

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

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

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

Important:

- Lenovo XClarity Controller (XCC) supported version varies by product. All versions of Lenovo XClarity Controller are referred to as Lenovo XClarity Controller and XCC in this document, unless specified otherwise. To see the XCC version supported by your server, go to https://sysmgt.lenovofiles.com/help/topic/lxcc_frontend/lxcc_overview.html.
- Lenovo XClarity Provisioning Manager (LXPM) supported version varies by product. All versions of Lenovo XClarity Provisioning Manager are referred to as Lenovo XClarity Provisioning Manager and LXPM in this document, unless specified otherwise. To see the LXPM version supported by your server, go to https://sysmgt.lenovofiles.com/help/topic/lxpm_frontend/lxpm_product_page.html.

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://sysmgt.lenovofiles.com/help/topic/lxcc_frontend/lxcc_overview.html.

For each event code, the following fields are displayed:

Event identifier
An identifier that uniquely identifies an event.

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

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

Explanation
Provides additional information to explain why the event occurred.

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

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

Alert Category

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

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

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

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

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

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

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

For more information about enabling Call Home from Lenovo XClarity Administrator, see http://sysmgt.lenovofiles.com/help/topic/com.lenovo.lxca.doc/admin_setupcallhome.html. In addition, see "XCC events that automatically notify Support" on page 6 for a consolidated list of all Lenovo XClarity Controller events that are called home to Lenovo Support.

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

XCC events that automatically notify Support

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

Table 1. Events that automatically notify Support

Event ID	Message String
FQXSPEM4014I	The RAID controller has problem with the battery. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])
FQXSPEM4015I	The RAID controller detected unrecoverable error. The controller needs replacement.([arg1],[arg2],[arg3],[arg4],[arg5])
FQXSPEM4025I	One or more virtual drive have problem. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])
FQXSPEM4026I	Drive error was detected by RAID controller. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])

Table 1. Events that automatically notify Support (continued)

Event ID	Message String
FQXSPIO0011N	An Uncorrectable Error has occurred on [SensorElementName].
FQXSPIO0015M	Fault in slot [PhysicalConnectorSystemElementName] on system [ComputerSystemElementName].
FQXSPMA0008N	Uncorrectable error detected for [PhysicalMemoryElementName] on Subsystem [MemoryElementName].
FQXSPMA0011G	Memory Logging Limit Reached for [PhysicalMemoryElementName] on Subsystem [MemoryElementName].
FQXSPPU0004M	[ProcessorElementName] has Failed with FRB1/BIST condition.
FQXSPPW0035M	Numeric sensor [NumericSensorElementName] going low (lower critical) has asserted.
FQXSPPW0047M	Numeric sensor [NumericSensorElementName] going high (upper critical) has asserted.
FQXSPPW0063M	Sensor [SensorElementName] has transitioned to critical from a less severe state.
FQXSPSD0001L	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]).
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].	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].	Informational
FQXSPBR4005I	Management Controller [arg1]: Configuration saved to a file by user [arg2].	Informational
FQXSPBR4006I	Management Controller [arg1]: Configuration restoration from a file by user [arg2] completed.	Informational
FQXSPCA2002I	Numeric sensor [NumericSensorElementName] going low (lower critical) has deasserted.	Informational
FQXSPCA2007I	Numeric sensor [NumericSensorElementName] going high (upper non-critical) has deasserted.	Informational
FQXSPCA2009I	Numeric sensor [NumericSensorElementName] going high (upper critical) has deasserted.	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPCA2011I	Numeric sensor [NumericSensorElementName] going high (upper non-recoverable) has deasserted.	Informational
FQXSPCA2017I	Sensor [SensorElementName] has transitioned to a less severe state from critical.	Informational
FQXSPCA2019I	Sensor [SensorElementName] has deasserted the transition to non-recoverable from a less severe state.	Informational
FQXSPCN4000I	Serial Redirection set by user [arg1]: Mode=[arg2], BaudRate=[arg3], StopBits=[arg4], Parity=[arg5], SessionTerminateSequence=[arg6].	Informational
FQXSPCN4001I	Remote Control session started by user [arg1] in [arg2] mode.	Informational
FQXSPCN4002I	User [arg1] has terminated an active console session.	Informational
FQXSPCN4003I	Remote Control session started by user [arg1] in [arg2] mode has been closed.	Informational
FQXSPCR2001I	Sensor [SensorElementName] has deasserted the transition to non-recoverable from a less severe state.	Informational
FQXSPDA2000I	The System [ComputerSystemElementName] has detected a POST Error deassertion.	Informational
FQXSPDM4000I	Inventory data changed for device [arg1], new device data hash= [arg2], new master data hash=[arg3] .	Informational
FQXSPDM4001I	Storage [arg1] has changed.	Informational
FQXSPDM4003I	TKLM servers set by user [arg1]: TKLMServer1=[arg2] Port=[arg3], TKLMServer2=[arg4] Port=[arg5], TKLMServer3=[arg6] Port=[arg7], TKLMServer4=[arg8] Port=[arg9].	Informational
FQXSPDM4004I	TKLM servers device group set by user [arg1]: TKLMServerDeviceGroup=[arg2] .	Informational
FQXSPDM4005I	User [arg1] has generated a new encryption key pair and installed a self-signed certificate for the TKLM client.	Informational
FQXSPDM4006I	User [arg1] has generated a new encryption key and certificate signing request for the TKLM client.	Informational
FQXSPDM4007I	User [arg1] has imported a signed certificate for the TKLM client from [arg2].	Informational
FQXSPDM4008I	User [arg1] has imported a server certificate for the TKLM server.	Informational
FQXSPDM4009I	User [arg1] has [arg2] file [arg3] from [arg4].	Informational
FQXSPDM4010I	Inventory data collecting and processing complete for [arg1], sequence number is [arg2].	Informational
FQXSPEM0003I	The Log [RecordLogElementName] has been cleared.	Informational
FQXSPEM0004I	The Log [RecordLogElementName] is full.	Informational
FQXSPEM0005I	The Log [RecordLogElementName] is almost full.	Informational
FQXSPEM0009I	The System [ComputerSystemElementName] has generated an auxiliary Log Entry in Log [RecordLogElement].	Informational
FQXSPEM4000I	The [arg1] on system [arg2] cleared by user [arg3].	Informational
FQXSPEM4001I	The [arg1] on system [arg2] is 75% full.	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPEM4002I	The [arg1] on system [arg2] is 100% full.	Informational
FQXSPEM4003I	LED [arg1] state changed to [arg2] by [arg3].	Informational
FQXSPEM4004I	SNMP [arg1] enabled by user [arg2] .	Informational
FQXSPEM4005I	SNMP [arg1] disabled by user [arg2] .	Informational
FQXSPEM4006I	Alert Configuration Global Event Notification set by user [arg1]: RetryLimit=[arg2], RetryInterval=[arg3], EntryInterval=[arg4].	Informational
FQXSPEM4007I	Alert Recipient Number [arg1] updated: Name=[arg2], DeliveryMethod=[arg3], Address=[arg4], IncludeLog=[arg5], Enabled=[arg6], EnabledAlerts=[arg7], AllowedFilters=[arg8].	Informational
FQXSPEM4008I	SNMP Traps enabled by user [arg1]: EnabledAlerts=[arg2], AllowedFilters=[arg3] .	Informational
FQXSPEM4009I	The UEFI Definitions have been changed.	Informational
FQXSPEM4010I	UEFI Reported: [arg1].	Informational
FQXSPEM4011I	XCC failed to log previous event [arg1].	Informational
FQXSPEM4012I	User [arg1] made system [arg2] Encapsulation lite Mode.	Informational
FQXSPEM4013I	Battery error was detected by RAID controller. The battery unit needs replacement.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4014I	The RAID controller has problem with the battery. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4015I	The RAID controller detected unrecoverable error. The controller needs replacement.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4016I	The RAID controller detected one or more problems. Please contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4017I	The RAID controller detected one or more possible configuration changes within the subsystem. Please check the drive LED status. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4018I	Enclosure issue detected with one or more units. Please check the enclosure units to repair the problem.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4019I	Connectivity issue detected with the enclosure. Please check your cable configurations to repair the problem.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4020I	Fan problem detected with the enclosure. Please check the enclosure unit fan for correct operation.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4022I	Enclosure power supply has problem. Please check the enclosure unit power supply for correct operation.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4023I	One or more virtual drive are in abnormal status that may cause unavailable virtual drive. Please check the event logs and if events are targeted to the same disk then replace the drive. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPEM4024I	The RAID controller detected one or more possible configuration problem within the subsystem. Please check the event logs and if events are targeted to the same disk then replace the drive. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4025I	One or more virtual drive have problem. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4026I	Drive error was detected by RAID controller. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4027I	Drive error was detected by RAID controller. Please check the event logs and if events are targeted to the same disk then replace the drive. If necessary, contact technical support for additional assistance. ([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPEM4028I	The port [arg1] of PCIe device [arg2] at [arg3] has link [arg4].	Informational
FQXSPEM4029I	All PCIe slots on [arg1] may not be functional based upon your current CPU population.	Informational
FQXSPEM4030I	A scheduled operation on the RAID controller has encountered an issue. Refer to RAID Logs under Server Management, Local Storage, for details.([arg1],[arg2],[arg3],[arg4],[arg5])	Informational
FQXSPFC4000I	The bare metal connection process has been started.	Informational
FQXSPFC4001I	The bare metal update application reports a status of [arg1].	Informational
FQXSPFC4002I	System running in setup.	Informational
FQXSPFC4003I	UEFI deployment boot mode is enabled for NextBoot.	Informational
FQXSPFC4004I	UEFI deployment boot mode is enabled for NextAc.	Informational
FQXSPFC4005I	UEFI deployment boot mode has been disabled.	Informational
FQXSPFW0003I	UEFI Memory Test running test and repair.	Informational
FQXSPFW2001I	The System [ComputerSystemElementName] has detected a POST Error deassertion.	Informational
FQXSPIO0010I	A Correctable Bus Error has occurred on bus [SensorElementName].	Informational
FQXSPIO2002I	The System [ComputerSystemElementName] has detected a POST Error deassertion.	Informational
FQXSPIO2003I	System [ComputerSystemElementName] has recovered from a diagnostic interrupt.	Informational
FQXSPIO2004I	Bus [SensorElementName] has recovered from a bus timeout.	Informational
FQXSPIO2006I	System [ComputerSystemElementName] has recovered from an NMI.	Informational
FQXSPIO2010I	Bus [SensorElementName] has recovered from a Correctable Bus Error.	Informational
FQXSPIO2017I	Slot [PhysicalConnectorElementName] empty for system [ComputerSystemElementName].	Informational
FQXSPMA0009I	Memory sparing initiated for [PhysicalMemoryElementName] on Subsystem [MemoryElementName].	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPMA2005I	The System [ComputerSystemElementName] has detected a POST Error deassertion.	Informational
FQXSPMA2007I	Scrub Failure for [PhysicalMemoryElementName] on Subsystem [MemoryElementName] has recovered.	Informational
FQXSPMA2010I	[PhysicalMemoryElementName] on Subsystem [MemoryElementName] is no longer Throttled.	Informational
FQXSPMA2012I	An Over-Temperature Condition has been removed on the [PhysicalMemoryElementName] on Subsystem [MemoryElementName].	Informational
FQXSPMA2013I	The System [ComputerSystemElementName] has detected a POST Error deassertion.	Informational
FQXSPMA2024I	Sensor [SensorElementName] has deasserted.	Informational
FQXSPNM4000I	Management Controller [arg1] Network Initialization Complete.	Informational
FQXSPNM4001I	Ethernet Data Rate modified from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4002I	Ethernet Duplex setting modified from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4003I	Ethernet MTU setting modified from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4004I	Ethernet locally administered MAC address modified from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4005I	Ethernet interface [arg1] by user [arg2].	Informational
FQXSPNM4006I	Hostname set to [arg1] by user [arg2].	Informational
FQXSPNM4007I	IP address of network interface modified from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4008I	IP subnet mask of network interface modified from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4009I	IP address of default gateway modified from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4011I	ENET[[arg1]] DHCP-HSTN=[arg2], DN=[arg3], IP@=[arg4], SN=[arg5], GW@=[arg6], DNS1@=[arg7] .	Informational
FQXSPNM4012I	ENET[[arg1]] IP-Cfg:HstName=[arg2], IP@=[arg3] ,NetMsk=[arg4], GW@=[arg5] .	Informational
FQXSPNM4013I	LAN: Ethernet[[arg1]] interface is no longer active.	Informational
FQXSPNM4014I	LAN: Ethernet[[arg1]] interface is now active.	Informational
FQXSPNM4015I	DHCP setting changed to [arg1] by user [arg2].	Informational
FQXSPNM4016I	Domain name set to [arg1] by user [arg2].	Informational
FQXSPNM4017I	Domain Source changed to [arg1] by user [arg2].	Informational
FQXSPNM4018I	DDNS setting changed to [arg1] by user [arg2].	Informational
FQXSPNM4019I	DDNS registration successful. The domain name is [arg1].	Informational
FQXSPNM4020I	IPv6 enabled by user [arg1] .	Informational
FQXSPNM4021I	IPv6 disabled by user [arg1] .	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPNM4022I	IPv6 static IP configuration enabled by user [arg1].	Informational
FQXSPNM4023I	IPv6 DHCP enabled by user [arg1].	Informational
FQXSPNM4024I	IPv6 stateless auto-configuration enabled by user [arg1].	Informational
FQXSPNM4025I	IPv6 static IP configuration disabled by user [arg1].	Informational
FQXSPNM4026I	IPv6 DHCP disabled by user [arg1].	Informational
FQXSPNM4027I	IPv6 stateless auto-configuration disabled by user [arg1].	Informational
FQXSPNM4028I	ENET[[arg1]] IPv6-LinkLocal:HstName=[arg2], IP@=[arg3] ,Pref=[arg4] .	Informational
FQXSPNM4029I	ENET[[arg1]] IPv6-Static:HstName=[arg2], IP@=[arg3] ,Pref=[arg4], GW@=[arg5] .	Informational
FQXSPNM4030I	ENET[[arg1]] DHCPv6-HSTN=[arg2], DN=[arg3], IP@=[arg4], Pref=[arg5], DNS1@=[arg5].	Informational
FQXSPNM4031I	IPv6 static address of network interface modified from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4033I	Telnet port number changed from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4034I	SSH port number changed from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4035I	Web-HTTP port number changed from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4036I	Web-HTTPS port number changed from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4037I	CIM/XML HTTP port number changed from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4038I	CIM/XML HTTPS port number changed from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4039I	SNMP Agent port number changed from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4040I	SNMP Traps port number changed from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4041I	Syslog port number changed from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4042I	Remote Presence port number changed from [arg1] to [arg2] by user [arg3].	Informational
FQXSPNM4043I	SMTP Server set by user [arg1] to [arg2]:[arg3].	Informational
FQXSPNM4044I	Telnet [arg1] by user [arg2].	Informational
FQXSPNM4045I	DNS servers set by user [arg1]: UseAdditionalServers=[arg2], PreferredDNStype=[arg3], IPv4Server1=[arg4], IPv4Server2=[arg5], IPv4Server3=[arg6], IPv6Server1=[arg7], IPv6Server2=[arg8], IPv6Server3=[arg9].	Informational
FQXSPNM4046I	LAN over USB [arg1] by user [arg2].	Informational
FQXSPNM4047I	LAN over USB Port Forwarding set by user [arg1]: ExternalPort=[arg2], USB-LAN port=[arg3].	Informational
FQXSPNM4048I	PXE boot requested by user [arg1].	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPNM4049I	User [arg1] has initiated a TKLM Server Connection Test to check connectivity to server [arg2].	Informational
FQXSPNM4050I	User [arg1] has initiated an SMTP Server Connection Test.	Informational
FQXSPNM4051I	User [arg1] has set the SMTP Server reverse-path to [arg2].	Informational
FQXSPNM4052I	DHCP specified hostname is set to [arg1] by user [arg2].	Informational
FQXSPNM4053I	DNS discovery of Lenovo XClarity Administrator has been [arg1] by user [arg2].	Informational
FQXSPNM4054I	The hostname from DHCP is [arg1] by user [arg2].	Informational
FQXSPNM4055I	The hostname from DHCP is invalid.	Informational
FQXSPNM4056I	The NTP server address [arg1] is invalid.	Informational
FQXSPOS4000I	OS Watchdog response [arg1] by [arg2] .	Informational
FQXSPOS4001I	Watchdog [arg1] Screen Capture Occurred .	Informational
FQXSPOS4004I	Operating System status has changed to [arg1].	Informational
FQXSPOS4005I	Host Power-On password changed.	Informational
FQXSPOS4006I	Host Power-On password cleared.	Informational
FQXSPOS4007I	Host Admin password changed.	Informational
FQXSPOS4008I	Host Admin password cleared.	Informational
FQXSPOS4009I	OS Crash Video Captured.	Informational
FQXSPPP4000I	Attempting to [arg1] server [arg2] by user [arg3].	Informational
FQXSPPP4001I	Server Power Off Delay set to [arg1] by user [arg2].	Informational
FQXSPPP4002I	Server [arg1] scheduled for [arg2] at [arg3] by user [arg4].	Informational
FQXSPPP4003I	Server [arg1] scheduled for every [arg2] at [arg3] by user [arg4].	Informational
FQXSPPP4004I	Server [arg1] [arg2] cleared by user [arg3].	Informational
FQXSPPP4005I	The power cap value changed from [arg1] watts to [arg2] watts by user [arg3].	Informational
FQXSPPP4006I	The minimum power cap value changed from [arg1] watts to [arg2] watts.	Informational
FQXSPPP4007I	The maximum power cap value changed from [arg1] watts to [arg2] watts.	Informational
FQXSPPP4008I	The soft minimum power cap value changed from [arg1] watts to [arg2] watts.	Informational
FQXSPPP4011I	Power capping was activated by user [arg1].	Informational
FQXSPPP4012I	Power capping was deactivated by user [arg1].	Informational
FQXSPPP4013I	Static Power Savings mode has been turned on by user [arg1].	Informational
FQXSPPP4014I	Static Power Savings mode has been turned off by user [arg1].	Informational
FQXSPPP4015I	Dynamic Power Savings mode has been turned on by user [arg1].	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPPP4016I	Dynamic Power Savings mode has been turned off by user [arg1].	Informational
FQXSPPP4017I	Power cap and external throttling occurred.	Informational
FQXSPPP4018I	External throttling occurred .	Informational
FQXSPPP4019I	Power cap throttling occurred.	Informational
FQXSPPP4020I	The measured power value has returned below the power cap value.	Informational
FQXSPPP4021I	The new minimum power cap value has returned below the power cap value.	Informational
FQXSPPP4022I	The server was restarted for an unknown reason.	Informational
FQXSPPP4023I	The server is restarted by chassis control command.	Informational
FQXSPPP4024I	The server was reset via pushbutton.	Informational
FQXSPPP4025I	The server was powered-up via power pushbutton.	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 restore..	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 pushbutton.	Informational
FQXSPPP4037I	The server was powered off when the watchdog expired.	Informational
FQXSPPP4038I	The server stayed powered off because the power restore policy is set to always restore..	Informational
FQXSPPP4039I	The server stayed powered off because the power restore policy is set to restore previous power state..	Informational
FQXSPPP4040I	The server was powered off via Platform Event Filter.	Informational
FQXSPPP4041I	The server was powered off via Real Time Clock (scheduled power off).	Informational
FQXSPPP4042I	Management Controller [arg1] reset was initiated due to Power-On-Reset.	Informational
FQXSPPP4043I	Management Controller [arg1] reset was initiated by PRESET.	Informational
FQXSPPP4044I	Management Controller [arg1] reset was initiated by CMM.	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPPP4045I	Management Controller [arg1] reset was initiated by XCC firmware.	Informational
FQXSPPP4046I	Remote power permission is [arg1].	Informational
FQXSPPP4047I	Management Controller [arg1] reset was initiated by user [arg2].	Informational
FQXSPPP4048I	Attempting to AC power cycle server [arg1] by user [arg2].	Informational
FQXSPPR0000I	[ManagedElementName] detected as present.	Informational
FQXSPPR2001I	[ManagedElementName] detected as absent.	Informational
FQXSPPU0000I	[ProcessorElementName] in slot [SlotElementName] has been added.	Informational
FQXSPPU2000I	[ProcessorElementName] in slot [SlotElementName] has been removed.	Informational
FQXSPPU2001I	An Over-Temperature Condition has been removed on [ProcessorElementName].	Informational
FQXSPPU2002I	The Processor [ProcessorElementName] is no longer operating in a Degraded State.	Informational
FQXSPPU2007I	The System [ComputerSystemElementName] has detected a POST Error deassertion.	Informational
FQXSPPW0001I	Power supply [arg1] in the enclosure (MTM-SN: [arg2])has been added.	Informational
FQXSPPW0008I	[PowerSupplyElementName] has been turned off.	Informational
FQXSPPW0009I	[PowerSupplyElementName] has been Power Cycled.	Informational
FQXSPPW2001I	Power supply [arg1] in the enclosure (MTM-SN: [arg2])has been removed.	Informational
FQXSPPW2008I	[PowerSupplyElementName] has been turned on.	Informational
FQXSPPW2031I	Numeric sensor [NumericSensorElementName] going low (lower non-critical) has deasserted.	Informational
FQXSPPW2035I	Numeric sensor [NumericSensorElementName] going low (lower critical) has deasserted.	Informational
FQXSPPW2047I	Numeric sensor [NumericSensorElementName] going high (upper critical) has deasserted.	Informational
FQXSPPW2063I	Sensor [SensorElementName] has transitioned to a less severe state from critical.	Informational
FQXSPPW2110I	Non-redundant:Insufficient Resources for [RedundancySetElementName] has deasserted.	Informational
FQXSPPW4001I	PCIe Power Brake for [arg1] has been [arg2].	Informational
FQXSPSB2000I	The System [ComputerSystemElementName] has detected a POST Error deassertion.	Informational
FQXSPSD0000I	The [StorageVolumeElementName] has been added.	Informational
FQXSPSD0007I	Array rebuild in progress on drive [arg1] in the enclosure (MTM-S/N: [arg2]).	Informational
FQXSPSD2000I	Drive [arg1] in the enclosure(MTM-SN: [arg2]) has been removed.	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPSD2001I	Drive [arg1] in the enclosure(MTM-SN: [arg2]) has been enabled.	Informational
FQXSPSD2002I	Failure no longer Predicted on drive [arg1] in the enclosure (MTM-S/N: [arg2]).	Informational
FQXSPSD2005I	Array critical deasserted on drive [arg1] in the enclosure (MTM-S/N: [arg2]).	Informational
FQXSPSD2007I	Array rebuild completed on drive [arg1] in the enclosure (MTM-S/N: [arg2]).	Informational
FQXSPSE2000I	The Chassis [PhysicalPackageElementName] was closed.	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
FQXSPSE4005I	Remote access attempt failed. Invalid userid or password received. Userid is [arg1] from TELNET client at IP address [arg2].	Informational
FQXSPSE4007I	Security: Userid: [arg1] using [arg2] had [arg3] login failures from an SSH client at IP address [arg4].	Informational
FQXSPSE4008I	SNMPv1 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4], Address=[arg5], .	Informational
FQXSPSE4009I	LDAP Server configuration set by user [arg1]: SelectionMethod=[arg2], DomainName=[arg3], Server1=[arg4], Server2=[arg5], Server3=[arg6], Server4=[arg7].	Informational
FQXSPSE4010I	LDAP set by user [arg1]: RootDN=[arg2], UIDSearchAttribute=[arg3], BindingMethod=[arg4], EnhancedRBS=[arg5], TargetName=[arg6], GroupFilter=[arg7], GroupAttribute=[arg8], LoginAttribute=[arg9].	Informational
FQXSPSE4011I	Secure Web services (HTTPS) [arg1] by user [arg2].	Informational
FQXSPSE4012I	Secure CIM/XML(HTTPS) [arg1] by user [arg2].	Informational
FQXSPSE4013I	Secure LDAP [arg1] by user [arg2].	Informational
FQXSPSE4014I	SSH [arg1] by user [arg2].	Informational
FQXSPSE4015I	Global Login General Settings set by user [arg1]: AuthenticationMethod=[arg2], LockoutPeriod=[arg3], SessionTimeout=[arg4].	Informational
FQXSPSE4016I	Global Login Account Security set by user [arg1]: PasswordRequired=[arg2], PasswordExpirationPeriod=[arg3], MinimumPasswordReuseCycle=[arg4], MinimumPasswordLength=[arg5], MinimumPasswordChangeInterval=[arg6], MaxmumLoginFailures=[arg7], LockoutAfterMaxFailures=[arg8].	Informational
FQXSPSE4017I	User [arg1] created.	Informational
FQXSPSE4018I	User [arg1] removed.	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPSE4019I	User [arg1] password modified.	Informational
FQXSPSE4020I	User [arg1] role set to [arg2].	Informational
FQXSPSE4021I	User [arg1] custom privileges set: [arg2][arg3][arg4][arg5][arg6][arg7] [arg8].	Informational
FQXSPSE4022I	User [arg1] for SNMPv3 set: AuthenticationProtocol=[arg2], PrivacyProtocol=[arg3], AccessType=[arg4], HostforTraps=[arg5].	Informational
FQXSPSE4023I	SSH Client key added for user [arg1].	Informational
FQXSPSE4024I	SSH Client key imported for user [arg1] from [arg2].	Informational
FQXSPSE4025I	SSH Client key removed from user [arg1].	Informational
FQXSPSE4026I	Security: Userid: [arg1] had [arg2] login failures from a CIM client at IP address [arg3].	Informational
FQXSPSE4027I	Remote access attempt failed. Invalid userid or password received. Userid is [arg1] from a CIM client at IP address [arg2].	Informational
FQXSPSE4028I	Security: Userid: [arg1] had [arg2] login failures from IPMI client at IP address [arg3].	Informational
FQXSPSE4029I	Security: Userid: [arg1] had [arg2] login failures from SNMP client at IP address [arg3].	Informational
FQXSPSE4030I	Security: Userid: [arg1] had [arg2] login failures from IPMI serial client.	Informational
FQXSPSE4031I	Remote Login Successful. Login ID: [arg1] from [arg2] serial interface.	Informational
FQXSPSE4032I	Login ID: [arg1] from [arg2] at IP address [arg3] has logged off.	Informational
FQXSPSE4033I	Login ID: [arg1] from [arg2] at IP address [arg3] has been logged off.	Informational
FQXSPSE4034I	User [arg1] has removed a certificate.	Informational
FQXSPSE4035I	A certificate has been revoked .	Informational
FQXSPSE4036I	The [arg1] certificate is expired and has been removed.	Informational
FQXSPSE4037I	Crypto mode modified from [arg1] to [arg2] by user [arg3].	Informational
FQXSPSE4038I	Minimum TLS level modified from [arg1] to [arg2] by user [arg3].	Informational
FQXSPSE4039I	Temporary user account [arg1] is created by inband tool.	Informational
FQXSPSE4040I	Temporary user account [arg1] expires.	Informational
FQXSPSE4041I	Security: Userid: [arg1] had [arg2] login failures from a SFTP client at IP address [arg3].	Informational
FQXSPSE4042I	The third-party password function [arg1].	Informational
FQXSPSE4043I	Retrieving the third-party password [arg1].	Informational
FQXSPSE4044I	User [arg1] third-party hashed password has been [arg2].	Informational
FQXSPSE4045I	The Salt of user [arg1] third-party password has been [arg2].	Informational
FQXSPSE4046I	The third-party password of the user [arg1] has been retrieved.	Informational
FQXSPSE4047I	Role [arg1] is [arg2] and assigned with custom privileges [arg3][arg4] [arg5][arg6][arg7][arg8][arg9][arg10][arg11] by user [arg12] .	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPSE4048I	Role [arg1] is removed by user [arg2].	Informational
FQXSPSE4049I	Role [arg1] is assigned to user [arg2] by user [arg3].	Informational
FQXSPSE4059I	User [arg1] password modified by user [arg2] from [arg3] at IP address [arg4].	Informational
FQXSPSS4000I	Management Controller Test Alert Generated by [arg1].	Informational
FQXSPSS4001I	Server General Settings set by user [arg1]: Name=[arg2], Contact=[arg3], Location=[arg4], Room=[arg5], RackID=[arg6], Rack U-position=[arg7], Address=[arg8].	Informational
FQXSPSS4002I	License key for [arg1] added by user [arg2].	Informational
FQXSPSS4003I	License key for [arg1] removed by user [arg2].	Informational
FQXSPSS4004I	Test Call Home Generated by user [arg1].	Informational
FQXSPSS4005I	Manual Call Home by user [arg1]: [arg2].	Informational
FQXSPSS4006I	Call Home to [arg1] failed to complete: [arg2].	Informational
FQXSPSS4007I	The BMC functionality tier is changed from [arg1] to [arg2].	Informational
FQXSPSS4008I	The [arg1] setting has been changed to [arg2] by user [arg3].	Informational
FQXSPSS4009I	System enters LXPM maintenance mode.	Informational
FQXSPSS4010I	Test Audit Log generated by user [arg1].	Informational
FQXSPTR4000I	Management Controller [arg1] clock has been set from NTP server [arg2].	Informational
FQXSPTR4001I	Date and Time set by user [arg1]: Date=[arg2], Time-[arg3], DST Auto-adjust=[arg4], Timezone=[arg5].	Informational
FQXSPTR4002I	Synchronize time setting by user [arg1]: Mode=Sync with NTP Server, NTPServerHost1=[arg2]:[arg3],NTPServerHost2=[arg4]:[arg5], NTPServerHost3=[arg6]:[arg7],NTPServerHost4=[arg8]:[arg9], NTPUpdateFrequency=[arg10].	Informational
FQXSPTR4003I	Synchronize time setting by user [arg1]: Mode=Sync with server clock.	Informational
FQXSPUN0009I	Sensor [SensorElementName] has asserted.	Informational
FQXSPUN0026I	Device [LogicalDeviceElementName] has been added.	Informational
FQXSPUN2009I	Sensor [SensorElementName] has deasserted.	Informational
FQXSPUN2012I	Sensor [SensorElementName] has deasserted.	Informational
FQXSPUN2018I	Sensor [SensorElementName] has deasserted the transition from normal to non-critical state.	Informational
FQXSPUN2019I	Sensor [SensorElementName] has transitioned to a less severe state from critical.	Informational
FQXSPUN2020I	Sensor [SensorElementName] has deasserted the transition to non-recoverable from a less severe state.	Informational
FQXSPUN2023I	Sensor [SensorElementName] has deasserted the transition to non-recoverable.	Informational

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPUN2030I	Device [LogicalDeviceElementName] has been removed from unit [PhysicalPackageElementName].	Informational
FQXSPUP0002I	A firmware or software change occurred on system [ComputerSystemElementName].	Informational
FQXSPUP4001I	Flash of [arg1] from [arg2] succeeded for user [arg3] .	Informational
FQXSPUP4002I	Flash of [arg1] from [arg2] failed for user [arg3].	Informational
FQXSPWD0000I	Watchdog Timer expired for [WatchdogElementName].	Informational
FQXSPWD0001I	Reboot of system [ComputerSystemElementName] initiated by watchdog [WatchdogElementName].	Informational
FQXSPWD0002I	Powering off system [ComputerSystemElementName] initiated by watchdog [WatchdogElementName].	Informational
FQXSPWD0003I	Power cycle of system [ComputerSystemElementName] initiated by watchdog [WatchdogElementName].	Informational
FQXSPWD0004I	Watchdog Timer interrupt occurred for [WatchdogElementName].	Informational
FQXSPBR4001I	Running the backup Management Controller [arg1] main application.	Warning
FQXSPCA0007J	Numeric sensor [NumericSensorElementName] going high (upper non-critical) has asserted.	Warning
FQXSPDM4002I	Device [arg1] VPD is not valid.	Warning
FQXSPMA0010J	[PhysicalMemoryElementName] on Subsystem [MemoryElementName] Throttled.	Warning
FQXSPMA0011G	Memory Logging Limit Reached for [PhysicalMemoryElementName] on Subsystem [MemoryElementName].	Warning
FQXSPNM4010I	DHCP[[arg1]] failure, no IP address assigned.	Warning
FQXSPNM4032I	DHCPv6 failure, no IP address assigned.	Warning
FQXSPPP4009I	The measured power value exceeded the power cap value.	Warning
FQXSPPP4010I	The new minimum power cap value exceeded the power cap value.	Warning
FQXSPPU0002G	The Processor [ProcessorElementName] is operating in a Degraded State.	Warning
FQXSPPW0031J	Numeric sensor [NumericSensorElementName] going low (lower non-critical) has asserted.	Warning
FQXSPSD0002G	Failure Predicted on drive [arg1] in the enclosure (MTM-SN: [arg2]).	Warning
FQXSPSE0000F	The Chassis [PhysicalPackageElementName] was opened.	Warning
FQXSPUN0009G	Sensor [SensorElementName] has asserted.	Warning
FQXSPUN0018J	Sensor [SensorElementName] has transitioned from normal to non-critical state.	Warning
FQXSPUN0026G	Device [LogicalDeviceElementName] has been added.	Warning
FQXSPBR4003I	Platform Watchdog Timer expired for [arg1].	Error
FQXSPBR4007I	Management Controller [arg1]: Configuration restoration from a file by user [arg2] failed to complete.	Error

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPBR4008I	Management Controller [arg1]: Configuration restoration from a file by user [arg2] failed to start.	Error
FQXSPCA0002M	Numeric sensor [NumericSensorElementName] going low (lower critical) has asserted.	Error
FQXSPCA0009M	Numeric sensor [NumericSensorElementName] going high (upper critical) has asserted.	Error
FQXSPCA0011N	Numeric sensor [NumericSensorElementName] going high (upper non-recoverable) has asserted.	Error
FQXSPCA0017M	Sensor [SensorElementName] has transitioned to critical from a less severe state.	Error
FQXSPCA0019N	Sensor [SensorElementName] has transitioned to non-recoverable from a less severe state.	Error
FQXSPCR0001N	Sensor [SensorElementName] has transitioned to non-recoverable from a less severe state.	Error
FQXSPFW0000N	The System [ComputerSystemElementName] encountered a POST Error.	Error
FQXSPFW0001N	Firmware BIOS (ROM) corruption was detected on system [ComputerSystemElementName] during POST.	Error
FQXSPFW0002N	The System [ComputerSystemElementName] encountered a firmware hang.	Error
FQXSPIO0003N	A diagnostic interrupt has occurred on system [ComputerSystemElementName].	Error
FQXSPIO0004L	A bus timeout has occurred on bus [SensorElementName].	Error
FQXSPIO0006N	A software NMI has occurred on system [ComputerSystemElementName].	Error
FQXSPIO0011N	An Uncorrectable Error has occurred on [SensorElementName].	Error
FQXSPIO0013N	A Fatal Bus Error has occurred on bus [SensorElementName].	Error
FQXSPIO0015M	Fault in slot [PhysicalConnectorSystemElementName] on system [ComputerSystemElementName].	Error
FQXSPMA0002N	Configuration Error for [PhysicalMemoryElementName] on Subsystem [MemoryElementName].	Error
FQXSPMA0005N	Subsystem [MemoryElementName] has insufficient memory for operation.	Error
FQXSPMA0007L	Scrub Failure for [PhysicalMemoryElementName] on Subsystem [MemoryElementName].	Error
FQXSPMA0008N	Uncorrectable error detected for [PhysicalMemoryElementName] on Subsystem [MemoryElementName].	Error
FQXSPMA0012M	An Over-Temperature Condition has been detected on the [PhysicalMemoryElementName] on Subsystem [MemoryElementName].	Error
FQXSPMA0013N	The System [ComputerSystemElementName] has detected no memory in the system.	Error

Table 2. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSPOS4002I	Watchdog [arg1] Failed to Capture Screen.	Error
FQXSPOS4003I	Platform Watchdog Timer expired for [arg1].	Error
FQXSPOS4010I	OS Crash Video Capture Failed.	Error
FQXSPPU0001N	An Over-Temperature Condition has been detected on [ProcessorElementName].	Error
FQXSPPU0003N	[ProcessorElementName] has Failed with IERR.	Error
FQXSPPU0004M	[ProcessorElementName] has Failed with FRB1/BIST condition.	Error
FQXSPPU0007N	CPU voltage mismatch detected on [ProcessorElementName].	Error
FQXSPPU0009N	[ProcessorElementName] has a Configuration Mismatch.	Error
FQXSPPU0011N	An SM BIOS Uncorrectable CPU complex error for [ProcessorElementName] has asserted.	Error
FQXSPPW0035M	Numeric sensor [NumericSensorElementName] going low (lower critical) has asserted.	Error
FQXSPPW0047M	Numeric sensor [NumericSensorElementName] going high (upper critical) has asserted.	Error
FQXSPPW0063M	Sensor [SensorElementName] has transitioned to critical from a less severe state.	Error
FQXSPPW0110M	Non-redundant:Insufficient Resources for [RedundancySetElementName] has asserted.	Error
FQXSPSD0001L	Drive [arg1] in the enclosure(MTM-SN: [arg2]) has been disabled due to a detected fault.	Error
FQXSPSD0005L	Array critical asserted on drive [arg1] in the enclosure (MTM-S/N: [arg2]).	Error
FQXSPSE4000I	Certificate Authority [arg1] has detected a [arg2] Certificate Error.	Error
FQXSPUN0019M	Sensor [SensorElementName] has transitioned to critical from a less severe state.	Error
FQXSPUN0020N	Sensor [SensorElementName] has transitioned to non-recoverable from a less severe state.	Error
FQXSPUN0023N	Sensor [SensorElementName] has transitioned to non-recoverable.	Error
FQXSPUP0007L	Invalid or Unsupported firmware or software was detected on system [ComputerSystemElementName].	Error
FQXSPUP4000I	Please ensure that the Management Controller [arg1] is flashed with the correct firmware. The Management Controller is unable to match its firmware to the server.	Error
FQXSPUP4003I	[arg1] firmware mismatch internal to system [arg2]. Please attempt to flash the [arg3] firmware.	Error
FQXSPUP4004I	XCC firmware mismatch between nodes [arg1] and [arg2]. Please attempt to flash the XCC firmware to the same level on all nodes.	Error
FQXSPUP4005I	FPGA firmware mismatch between nodes [arg1] and [arg2]. Please attempt to flash the FPGA firmware to the same level on all nodes.	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].**

  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: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0027

  User Action:

  Information only; no action is required

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

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

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

  User Action:

  Update the XCC firmware to a version that the server supports. Important: Some cluster solutions require specific code levels or coordinated code updates. If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before you update the code.

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0032

  User Action:

  Information only; no action is required

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

  This message is for the use case when an implementation has detected a Platform Watchdog Timer Expired

  Severity: Error
  Serviceable: No
  Automatically notify Support: No

Alert Category: System - OS Timeout
SNMP Trap ID: 21
CIM Prefix: IMM CIM ID: 0039

User Action:

Complete the following steps until the problem is solved:

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

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

  A user configures Server Timeouts

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0095

  User Action:

  Information only; no action is required

- **FQXSPBR4005I: Management Controller [arg1]: Configuration saved to a file by user [arg2].**

  A user saves a Management Controller configuration to a file.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  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.**

  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: none
  SNMP Trap ID:
  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.**

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Turn off the server and disconnect it from the power source. You must disconnect the server from AC power cycle to reset the XCC.
  2. After 45 seconds, reconnect the server to the power source and turn on the server.
  3. Retry the operation.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Turn off the server and disconnect it from the power source. You must disconnect the server from AC power cycle to reset the XCC.
  2. After 45 seconds, reconnect the server to the power source and turn on the server.
  3. Retry the operation.

- **FQXSPCA0002M: Numeric sensor [NumericSensorElementName] going low (lower critical) has asserted.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Fan Failure
  SNMP Trap ID: 11
  CIM Prefix: PLAT CIM ID: 0480

  User Action:

  Complete the following steps:

1. Check the event log of XClarity Controller for any fan or cooling-related issues or power-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,clean, and correctly installed.
3. Make sure that the room temperature is within operating specifications.

- **FQXSPCA0007J: Numeric sensor [NumericSensorElementName] going high (upper non-critical) has asserted.**

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

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

  User Action:

  Complete the following steps:

  1. Check the event log of system management module and XClarity Controller for any fan or cooling-related issues or power-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,clean, and correctly installed.
  3. Make sure that the room temperature is within operating specifications.

- **FQXSPCA0009M: Numeric sensor [NumericSensorElementName] going high (upper critical) has asserted.**

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

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

  User Action:

  Complete the following steps:

  1. Check the event log of XClarity Controller for any fan or cooling-related issues or power-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,clean, and correctly installed.
  3. Make sure that the room temperature is within operating specifications.

- **FQXSPCA0011N: Numeric sensor [NumericSensorElementName] going high (upper non-recoverable) has asserted.**

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

  Severity: Error

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

User Action:

Complete the following steps:

1. Check the event log of XClarity Controller for any fan or cooling-related issues or power-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,clean, and correctly installed.
3. Make sure that the room temperature is within operating specifications.

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

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

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

  User Action:

  Complete the following steps:

  1. Check the event log of XClarity Controller for any fan or cooling-related issues or power-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,clean, and correctly installed.
  3. Make sure that the room temperature is within operating specifications.

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

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

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

  User Action:

  Complete the following steps:

  1. Check the event log of XClarity Controller for any fan or cooling-related issues or power-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,clean, and correctly installed.

3. Make sure that the room temperature is within operating specifications.

- **FQXSPCA2002I: Numeric sensor [NumericSensorElementName] going low (lower critical) has deasserted.**

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

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

  User Action:

  Information only; no action is required

- **FQXSPCA2007I: Numeric sensor [NumericSensorElementName] going high (upper non-critical) has deasserted.**

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

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

  User Action:

  Information only; no action is required

- **FQXSPCA2009I: Numeric sensor [NumericSensorElementName] going high (upper critical) has deasserted.**

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

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

  User Action:

  Information only; no action is required

- **FQXSPCA2011I: Numeric sensor [NumericSensorElementName] going high (upper non-recoverable) has deasserted.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No

Alert Category: Critical - Temperature
SNMP Trap ID: 0
CIM Prefix: PLAT CIM ID: 0499

User Action:

Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Temperature
  SNMP Trap ID: 0
  CIM Prefix: PLAT CIM ID: 0523

  User Action:

  Information only; no action is required

- **FQXSPCA2019I: Sensor [SensorElementName] has deasserted the transition to non-recoverable from a less severe state.**

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

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

  User Action:

  Information only; no action is required

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

  A user configured the Serial Port mode

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0078

  User Action:

  Information only; no action is required

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

  Remote Control session started

  Severity: Info
  Serviceable: No

Automatically notify Support: No
Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0128

User Action:

Information only; no action is required

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

  A user has terminated an active console session

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0145

  User Action:

  Information only; no action is required

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

  Remote Control session closed

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

  User Action:

  Information only; no action is required

- **FQXSPCR0001N: Sensor [SensorElementName] has transitioned to non-recoverable from a less severe state.**

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

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

  User Action:

  Complete the following steps:

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

- **FQXSPCR2001I: Sensor [SensorElementName] has deasserted the transition to non-recoverable from a less severe state.**

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

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

  User Action:

  Information only; no action is required

- **FQXSPDA2000I: The System [ComputerSystemElementName] has detected a POST Error deassertion.**

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

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

  User Action:

  Information only; no action is required.

- **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: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0072

  User Action:

  Information only; no action is required

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

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

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

  User Action:

  Information only; no action is required

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

  The VPD for a device is invalid

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

  User Action:

  Information only; no action is required

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

  A user configured the TKLM servers

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0146

  User Action:

  Information only; no action is required

- **FQXSPDM4004I: TKLM servers device group set by user [arg1]: TKLMServerDeviceGroup=[arg2] .**

  A user configured the TKLM device group

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0147

  User Action:

  Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0148

  User Action:

  Information only; no action is required

- **FQXSPDM4006I: User [arg1] has generated a new encryption key and certificate signing request for the TKLM client.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0149

  User Action:

  Information only; no action is required

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

  User imported a signed certificate for the TKLM client

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0150

  User Action:

  Information only; no action is required

- **FQXSPDM4008I: User [arg1] has imported a server certificate for the TKLM server.**

  User imported a server certificate for the TKLM Server

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0151

  User Action:

  Information only; no action is required

- **FQXSPDM4009I: User [arg1] has [arg2] file [arg3] from [arg4].**

  User has mounted/unmounted file from URL or server

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

  User Action:

  Information only; no action is required

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

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

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0020

User Action:

Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Event Log Fullness
  SNMP Trap ID: 35
  CIM Prefix: IMM CIM ID: 0037

  User Action:

  Information only; no action is required

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

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

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

  User Action:

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

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

  A user has modified the state of an LED

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0071

  User Action:

  Information only; no action is required

- **FQXSPEM4004I: SNMP [arg1] enabled by user [arg2] .**

  A user enabled SNMPv1 or SNMPv3 or Traps

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0073

User Action:

Information only; no action is required

- **FQXSPEM4005I: SNMP [arg1] disabled by user [arg2] .**

  A user disabled SNMPv1 or SNMPv3 or Traps

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0074

  User Action:

  Information only; no action is required

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

  A user changes the Global Event Notification settings.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  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].**

  A user adds or updates an Alert Recipient

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0111

  User Action:

  Information only; no action is required

- **FQXSPEM4008I: SNMP Traps enabled by user [arg1]: EnabledAlerts=[arg2], AllowedFilters=[arg3] .**

  A user enabled the SNMP Traps configuration

  Severity: Info

Serviceable: No
Automatically notify Support: No
Alert Category: none
SNMP Trap ID:
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: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0152

  User Action:

  Information only; no action is required

- **FQXSPEM4010I: UEFI Reported: [arg1].**

  UEFI audit event logged.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0161

  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.**

  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

- **FQXSPEM4013I: Battery error was detected by RAID controller. The battery unit needs replacement.([arg1],[arg2],[arg3],[arg4],[arg5])**

  Battery error was detected by RAID controller

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

  User Action:

  Information only; no action is required

- **FQXSPEM4014I: The RAID controller has problem with the battery. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])**

  The RAID controller has problem with the battery

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

  User Action:

  Information only; no action is required

- **FQXSPEM4015I: The RAID controller detected unrecoverable error. The controller needs replacement.([arg1],[arg2],[arg3],[arg4],[arg5])**

  The RAID controller detected unrecoverable error

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

  User Action:

  Information only; no action is required

- **FQXSPEM4016I: The RAID controller detected one or more problems. Please contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])**

  The RAID controller detected one or more problems

  Severity: Info
  Serviceable: No
  Automatically notify Support: No

Alert Category: System - Other
SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0205

User Action:

Information only; no action is required

- **FQXSPEM4017I: The RAID controller detected one or more possible configuration changes within the subsystem. Please check the drive LED status. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])**

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

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

  User Action:

  Information only; no action is required

- **FQXSPEM4018I: Enclosure issue detected with one or more units. Please check the enclosure units to repair the problem.([arg1],[arg2],[arg3],[arg4],[arg5])**

  Enclosure issue detected with one or more units

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

  User Action:

  Information only; no action is required

- **FQXSPEM4019I: Connectivity issue detected with the enclosure. Please check your cable configurations to repair the problem.([arg1],[arg2],[arg3],[arg4],[arg5])**

  Connectivity issue detected with the enclosure

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

  User Action:

  Information only; no action is required

- **FQXSPEM4020I: Fan problem detected with the enclosure. Please check the enclosure unit fan for correct operation.([arg1],[arg2],[arg3],[arg4],[arg5])**

  Fan problem detected with the enclosure

  Severity: Info

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

User Action:

Information only; no action is required

- **FQXSPEM4022I: Enclosure power supply has problem. Please check the enclosure unit power supply for correct operation.([arg1],[arg2],[arg3],[arg4],[arg5])**

  Enclosure power supply has problem

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

  User Action:

  Information only; no action is required

- **FQXSPEM4023I: One or more virtual drive are in abnormal status that may cause unavailable virtual drive. Please check the event logs and if events are targeted to the same disk then replace the drive. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])**

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

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

  User Action:

  Information only; no action is required

- **FQXSPEM4024I: The RAID controller detected one or more possible configuration problem within the subsystem. Please check the event logs and if events are targeted to the same disk then replace the drive. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])**

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

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

  User Action:

  Information only; no action is required

- **FQXSPEM4025I: One or more virtual drive have problem. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])**

  One or more virtual drive have problem

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

  User Action:

  Information only; no action is required

- **FQXSPEM4026I: Drive error was detected by RAID controller. Please contact technical support to resolve this issue.([arg1],[arg2],[arg3],[arg4],[arg5])**

  Drive error was detected by RAID controller

  Severity: Info
  Serviceable: No
  Automatically notify Support: Yes
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0214

  User Action:

  Information only; no action is required

- **FQXSPEM4027I: Drive error was detected by RAID controller. Please check the event logs and if events are targeted to the same disk then replace the drive. If necessary, contact technical support for additional assistance.([arg1],[arg2],[arg3],[arg4],[arg5])**

  Drive error was detected by RAID controller

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

  User Action:

  Information only; no action is required

- **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 - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0220

  User Action:

  Information only; no action is required

- **FQXSPEM4029I: All PCIe slots on [arg1] may not be functional based upon your current CPU population.**

  PCIe not be functional

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

  User Action:

  Information only; no action is required

- **FQXSPEM4030I: A scheduled operation on the RAID controller has encountered an issue. Refer to RAID Logs under Server Management, Local Storage, for details.([arg1],[arg2],[arg3],[arg4],[arg5])**

  The RAID controller has scheduled operation issue

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

  User Action:

  Information only; no action is required

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

  Bare Metal Connection process has been started

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

  User Action:

  Information only; no action is required

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

  Bare Metal Update Application Status

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

  User Action:

  Information only; no action is required

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

System running in setup

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: System - Other
SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0193

User Action:

Information only; no action is required

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

  UEFI deployment boot mode is enabled for NextBoot

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0197

  User Action:

  Information only; no action is required

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

  UEFI deployment boot mode is enabled for NextAC

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

  User Action:

  Information only; no action is required

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

  UEFI deployment boot mode has been disabled

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

  User Action:

  Information only; no action is required

- **FQXSPFW0000N: The System [ComputerSystemElementName] encountered a POST Error.**

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

  Severity: Error
  Serviceable: Yes

Automatically notify Support: No
Alert Category: Critical - Other
SNMP Trap ID: 50
CIM Prefix: PLAT CIM ID: 0184

User Action:

Complete the following steps:

1. Original UEFI settings are still present. If customer desires to continue using the original settings, select Save Settings.
2. If User did not intentionally trigger the reboots, check logs for probable cause. For example, if there is a battery fault event, follow the steps to resolve that event.
3. Undo recent system changes (settings or devices added). Verify that the system boots. Then, re-install options one at a time to locate the problem.
4. Check Lenovo support site for an applicable service bulletin or firmware update that applies to this error. Update UEFI firmware if applicable.
5. Remove and re-install CMOS battery on system board for 30 seconds to clear CMOS contents. If it boots successfully, then restore system settings.
6. If problem persists, collect Service Data log.
7. Contact Lenovo Support.

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

  Firmware BIOS (ROM) corruption was detected on the system during POST.

  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:

  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. Remove and re-install CMOS battery on system board for 30 seconds to clear CMOS contents. If it boots successfully, then restore system settings.
  6. If problem persists, collect Service Data log.
  7. Contact Lenovo Support.

- **FQXSPFW0002N: The System [ComputerSystemElementName] encountered a firmware hang.**

  This message is for the use case when an implementation has detected a System Firmware Hang.

  Severity: Error

Serviceable: Yes
Automatically notify Support: No
Alert Category: System - Boot failure
SNMP Trap ID: 25
CIM Prefix: PLAT CIM ID: 0186

User Action:

Complete the following steps:

1. Original UEFI settings are still present. If customer desires to continue using the original settings, select Save Settings.
2. If User did not intentionally trigger the reboots, check logs for probable cause. For example, if there is a battery fault event, follow the steps to resolve that event.
3. Undo recent system changes (settings or devices added). Verify that the system boots. Then, re-install options one at a time to locate the problem.
4. Check Lenovo support site for an applicable service bulletin or firmware update that applies to this error. Update UEFI firmware if applicable.
5. Remove and re-install CMOS battery on system board for 30 seconds to clear CMOS contents. If it boots successfully, then restore system settings.
6. If problem persists, collect Service Data log.
7. Contact Lenovo Support.

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

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

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

  User Action:

  Information only; no action is required

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

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

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

  User Action:

  If the NMI button on the operator information panel has not been pressed, complete the following steps:

  1. Reboot the system.
  2. If error still exist, then collect serivce log and contact Lenovo support.

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

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

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

User Action:

Complete the following steps:

1. Please reseat the processor and reboot the server.
2. If the problem still exist, (service technician) please replace the system board.
3. If the problem still exist, contact Lenovo support.

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

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

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

User Action:

Check the event log in system event log to resolve any issues related the NMI

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

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

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

User Action:

Information only; please correct the error recorded in system log to resolve the error

- **FQXSPIO0011N: An Uncorrectable Error has occurred on [SensorElementName].**

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

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

User Action:

Check http://support.lenovo.com/ for TECH tips or firmware updates that might correct the error.

1. Make sure that all I/O expansion adapters have correct and matching levels of device drivers and firmware.
2. Check the event log of XClarity Controller for additional information about failing components.
3. If there are no entries related to the error in the event log, contact Lenovo support

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

  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:

  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 problem persists, collect Service Data log.
  3. Contact Lenovo Support.

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

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

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

  User Action:

  Complete the following steps to fix the error:

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

- **FQXSPIO2002I: The System [ComputerSystemElementName] has detected a POST Error deassertion.**

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

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

  User Action:

Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required

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

  This message is for the use case when an 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

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

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

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

  User Action:

  Information only; no action is required

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

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

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

User Action:

Information only; no action is required.

- **FQXSPIO2017I: Slot [PhysicalConnectorElementName] empty for system [ComputerSystemElementName].**

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

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

  User Action:

  Check LTE/WiFi Board is installed correctly

- **FQXSPMA0002N: Configuration Error for [PhysicalMemoryElementName] on Subsystem [MemoryElementName].**

  This message is for the use case when an implementation has detected a Memory DIMM configuration error has been corrected.

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Memory
  SNMP Trap ID: 41
  CIM Prefix: PLAT CIM ID: 0126

  User Action:

  Complete the following steps:

  1. Could follow an uncorrectable memory error or failed memory test. Check the log and service that event first. DIMMs disabled by other errors or actions could cause this event.
  2. Verify that the DIMMs are installed in the correct population sequence.
  3. Update UEFI firmware.
  4. Replace the DIMM.
  5. If problem persists, collect Service Data log.
  6. Contact Lenovo Support.

- **FQXSPMA0005N: Subsystem [MemoryElementName] has insufficient memory for operation.**

  This message is for the use case when an implementation has detected that the usable Memory is insufficient for operation.

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Memory
  SNMP Trap ID: 41
  CIM Prefix: PLAT CIM ID: 0132

  User Action:

  Complete the following steps:

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

- **FQXSPMA0007L: Scrub Failure for [PhysicalMemoryElementName] on Subsystem [MemoryElementName].**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Memory
  SNMP Trap ID: 41
  CIM Prefix: PLAT CIM ID: 0136

  User Action:

  Complete the following steps:

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

- **FQXSPMA0008N: Uncorrectable error detected for [PhysicalMemoryElementName] on Subsystem [MemoryElementName].**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: Yes
  Alert Category: Critical - Memory
  SNMP Trap ID: 41
  CIM Prefix: PLAT CIM ID: 0138

  User Action:

  Complete the following steps:

1. If the server has recently been installed, moved, serviced, or upgraded, verify that the DIMM is properly seated and visually verify that there is no foreign material in any DIMM connector on that memory channel. If either of these conditions is found, correct and retry with the same 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. If no problem is observed on the DIMM connectors or the problem persists, replace the DIMM identified by LightPath and/or event log entry.
3. If problem recurs on the same DIMM connector, replace the other DIMMs on the same memory channel.
4. Check Lenovo support site for an applicable service bulletin or firmware update that applies to this memory error.
5. If problem recurs on the same DIMM connector, inspect connector for damage. If damage found or problem persists, collect Service Data log.
6. Contact Lenovo Support.

- **FQXSPMA0009I: Memory sparing initiated for [PhysicalMemoryElementName] on Subsystem [MemoryElementName].**

  This message is for the use case when an implementation has detected that Memory double chip sparing has been initiated.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID:
  CIM Prefix: PLAT CIM ID: 0140

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Complete the following steps:

  1. Check the event log of system management module and XClarity Controller for any fan or cooling related issues.
  2. Make sure that the airflow at the front and rear of the chassis is not obstructed and that fillers are in place,clean, and correctly installed.
  3. Make sure that the room temperature is within operating specifications.
  4. If the problem persists and there are no other DIMMs with the same indication, replace the DIMM.

- **FQXSPMA0011G: Memory Logging Limit Reached for [PhysicalMemoryElementName] on Subsystem [MemoryElementName].**

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

Severity: Warning
Serviceable: Yes
Automatically notify Support: Yes
Alert Category: Warning - Memory
SNMP Trap ID: 43
CIM Prefix: PLAT CIM ID: 0144

User Action:

Complete the following steps:

1. If the server has recently been installed, moved, serviced, or upgraded, verify that the DIMM is properly seated and visually verify that there is no foreign material in any DIMM connector on that memory channel. If either of these conditions is found, correct and retry with the same 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. If no problem is observed on the DIMM connectors or the problem persists, replace the DIMM identified by LightPath and/or event log entry.
3. If problem recurs on the same DIMM connector, replace the other DIMMs on the same memory channel.
4. Check Lenovo support site for an applicable service bulletin or firmware update that applies to this memory error.
5. If problem recurs on the same DIMM connector, inspect connector for damage. If damage found or problem persists, collect Service Data log.
6. Contact Lenovo Support.

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

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. Check the event log of XClarity Controller (XCC) 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,clean, and correctly installed.
  3. Make sure that the room temperature is within operating specifications.
  4. If the problem remains and no other DIMMs have the same indication, replace the DIMM.

- **FQXSPMA0013N: The System [ComputerSystemElementName] has detected no memory in the system.**

  This message is for the use case when an implementation has detected that memory was detected in the system.

Severity: Error
Serviceable: Yes
Automatically notify Support: No
Alert Category: Critical - Memory
SNMP Trap ID: 41
CIM Prefix: PLAT CIM ID: 0794

User Action:

Complete the following steps:

1. If the DIMM was disabled because of a memory fault, follow the procedure for that event.
2. If no memory fault is recorded in the logs and re-enable the DIMM through the Setup utility or the OneCLI utility.
3. If problem persists, Power cycle the server from the management console.
4. Reset XCC to default settings.
5. Reset UEFI to default settings.
6. Update XCC and UEFI firmware.
7. If problem persists, collect Service Data log.
8. Contact Lenovo Support.

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Memory
  SNMP Trap ID: 41
  CIM Prefix: PLAT CIM ID: 0185

  User Action:

  Information only; no action is required

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

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

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

  User Action:

  Information only; no action is required

- **FQXSPMA2010I: [PhysicalMemoryElementName] on Subsystem [MemoryElementName] is no longer Throttled.**

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

  Severity: Info

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

User Action:

Information only; no action is required

- **FQXSPMA2012I: An Over-Temperature Condition has been removed on the [PhysicalMemoryElementName] on Subsystem [MemoryElementName].**

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

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

  User Action:

  Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Memory
  SNMP Trap ID: 41
  CIM Prefix: PLAT CIM ID: 0185

  User Action:

  Information only; no action is required

- **FQXSPMA2024I: Sensor [SensorElementName] has deasserted.**

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

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

  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: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0003

  User Action:

  Information only; no action is required

- **FQXSPNM4002I: Ethernet Duplex setting modified from [arg1] to [arg2] by user [arg3].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0004

  User Action:

  Information only; no action is required

- **FQXSPNM4003I: Ethernet MTU setting modified from [arg1] to [arg2] by user [arg3].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0005

  User Action:

  Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No

Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0006

User Action:

Information only; no action is required

- **FQXSPNM4005I: Ethernet interface [arg1] by user [arg2].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0007

  User Action:

  Information only; no action is required

- **FQXSPNM4006I: Hostname set to [arg1] by user [arg2].**

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

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

  User Action:

  Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - IMM Network event
  SNMP Trap ID: 37
  CIM Prefix: IMM CIM ID: 0009

  User Action:

  Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0010

User Action:

Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0011

  User Action:

  Information only; no action is required

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

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

  Severity: Warning
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0013

  User Action:

  Complete the following steps until the problem is solved:

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

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  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: none
SNMP Trap ID:
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: none
  SNMP Trap ID:
  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: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0025

  User Action:

  Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0026

  User Action:

  Information only; no action is required

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

  Domain name set by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:

CIM Prefix: IMM CIM ID: 0043

User Action:

Information only; no action is required

- **FQXSPNM4017I: Domain Source changed to [arg1] by user [arg2].**

  Domain source changed by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0044

  User Action:

  Information only; no action is required

- **FQXSPNM4018I: DDNS setting changed to [arg1] by user [arg2].**

  DDNS setting changed by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  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: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0046

  User Action:

  Information only; no action is required

- **FQXSPNM4020I: IPv6 enabled by user [arg1] .**

  IPv6 protocol is enabled by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0047

  User Action:

Information only; no action is required

- **FQXSPNM4021I: IPv6 disabled by user [arg1] .**

  IPv6 protocol is disabled by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0048

  User Action:

  Information only; no action is required

- **FQXSPNM4022I: IPv6 static IP configuration enabled by user [arg1].**

  IPv6 static address assignment method is enabled by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0049

  User Action:

  Information only; no action is required

- **FQXSPNM4023I: IPv6 DHCP enabled by user [arg1].**

  IPv6 DHCP assignment method is enabled by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0050

  User Action:

  Information only; no action is required

- **FQXSPNM4024I: IPv6 stateless auto-configuration enabled by user [arg1].**

  IPv6 statless auto-assignment method is enabled by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0051

  User Action:

  Information only; no action is required

- **FQXSPNM4025I: IPv6 static IP configuration disabled by user [arg1].**

IPv6 static assignment method is disabled by user

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0052

User Action:

Information only; no action is required

- **FQXSPNM4026I: IPv6 DHCP disabled by user [arg1].**

  IPv6 DHCP assignment method is disabled by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0053

  User Action:

  Information only; no action is required

- **FQXSPNM4027I: IPv6 stateless auto-configuration disabled by user [arg1].**

  IPv6 statless auto-assignment method is disabled by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  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: none
  SNMP Trap ID:
  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: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0056

User Action:

Information only; no action is required

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

  IPv6 DHCP-assigned address is active

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0057

  User Action:

  Information only; no action is required

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

  A user modifies the IPv6 static address of a Management Controller

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0058

  User Action:

  Information only; no action is required

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

  S DHCP6 server fails to assign an IP address to a Management Controller.

  Severity: Warning
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0059

  User Action:

  Please ensure DHCP server is working.

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

  A user has modified the telnet port number

  Severity: Info
  Serviceable: No
  Automatically notify Support: No

Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0061

User Action:

Information only; no action is required

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

  A user has modified the SSH port number

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0062

  User Action:

  Information only; no action is required

- **FQXSPNM4035I: Web-HTTP port number changed from [arg1] to [arg2] by user [arg3].**

  A user has modified the Web HTTP port number

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0063

  User Action:

  Information only; no action is required

- **FQXSPNM4036I: Web-HTTPS port number changed from [arg1] to [arg2] by user [arg3].**

  A user has modified the Web HTTPS port number

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0064

  User Action:

  Information only; no action is required

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

  A user has modified the CIM HTTP port number

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0065

User Action:

Information only; no action is required

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

  A user has modified the CIM HTTPS port number

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0066

  User Action:

  Information only; no action is required

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

  A user has modified the SNMP Agent port number

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0067

  User Action:

  Information only; no action is required

- **FQXSPNM4040I: SNMP Traps port number changed from [arg1] to [arg2] by user [arg3].**

  A user has modified the SNMP Traps port number

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0068

  User Action:

  Information only; no action is required

- **FQXSPNM4041I: Syslog port number changed from [arg1] to [arg2] by user [arg3].**

  A user has modified the Syslog receiver port number

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0069

  User Action:

  Information only; no action is required

- **FQXSPNM4042I: Remote Presence port number changed from [arg1] to [arg2] by user [arg3].**

  A user has modified the Remote Presence port number

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0070

  User Action:

  Information only; no action is required

- **FQXSPNM4043I: SMTP Server set by user [arg1] to [arg2]:[arg3].**

  A user configured the SMTP server

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0086

  User Action:

  Information only; no action is required

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

  A user enables or disables Telnet services

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0087

  User Action:

  Information only; no action is required

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

  A user configures the DNS servers

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0088

  User Action:

  Information only; no action is required

- **FQXSPNM4046I: LAN over USB [arg1] by user [arg2].**

A user configured USB-LAN

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0089

User Action:

Information only; no action is required

- **FQXSPNM4047I: LAN over USB Port Forwarding set by user [arg1]: ExternalPort=[arg2], USB-LAN port=[arg3].**

  A user configured USB-LAN port forwarding

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0090

  User Action:

  Information only; no action is required

- **FQXSPNM4048I: PXE boot requested by user [arg1].**

  PXE boot requested

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0129

  User Action:

  Information only; no action is required

- **FQXSPNM4049I: User [arg1] has initiated a TKLM Server Connection Test to check connectivity to server [arg2].**

  User initiated a TKLM Server Connection test.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0159

  User Action:

  Information only; no action is required

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

  User initiated an SMTP Server Connection test.

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0160

User Action:

Information only; no action is required

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

  User set SMTP Server reverse-path address

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

  User Action:

  Information only; no action is required

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

  DHCP specificed hostname is set by user

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

  User Action:

  Information only; no action is required

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

  DNS discovery of Lenovo XClarity Administrator

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

  User Action:

  Information only; no action is required

- **FQXSPNM4054I: The hostname from DHCP is [arg1] by user [arg2].**

  This message is for getting hostname from DHCP.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No

Alert Category: System - IMM Network event
SNMP Trap ID: 37
CIM Prefix: IMM CIM ID: 0244

User Action:

Information only; no action is required

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

  This message is for hostname from DHCP is invalid.

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

  User Action:

  Information only; no action is required

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

  Report NTP server invalid

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

  User Action:

  Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  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:

If there was no operating-system error, complete the following steps until the problem is solved:

1. Reconfigure the watchdog timer to a higher value.
2. Make sure that the IMM Ethernet-over-USB interface is enabled.
3. Reinstall the RNDIS or cdc_ether device driver for the operating system.
4. Disable the watchdog.
5. If there was an operating-system error, check the integrity of the installed operating system.

- **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:

Important: Some cluster solutions require specific code levels or coordinated code updates. If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before you update the code. Complete the following steps until the problem is solved:

1. Reconfigure the watchdog timer to a higher value.
2. Make sure that the XCC Ethernet over USB interface is enabled.
3. Reinstall the RNDIS or cdc_ether device driver for the operating system.
4. Disable the watchdog.
5. Check the integrity of the installed operating system.
6. Update the XCC firmware.

- **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 XCC Ethernet-over-USB interface is enabled.
3. Reinstall the RNDIS or cdc_ether device driver for the operating system.
4. Disable the watchdog.
5. Check the integrity of the installed operating system.

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

  Operating System status change

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

  User Action:

  Information only; no action is required

- **FQXSPOS4005I: Host Power-On password changed.**

  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.**

  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.**

  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.**

  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:

  Please set server timeouts in XCC web to enable the OS watchdog, select an interval from the OS Watchdog Time drop-down and click Apply.

- **FQXSPPP4000I: Attempting to [arg1] server [arg2] by user [arg3].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0015

  User Action:

  Information only; no action is required

- **FQXSPPP4001I: Server Power Off Delay set to [arg1] by user [arg2].**

  A user configured the Server Power Off Delay

  Severity: Info

Serviceable: No
Automatically notify Support: No
Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0081

User Action:

Information only; no action is required

- **FQXSPPP4002I: Server [arg1] scheduled for [arg2] at [arg3] by user [arg4].**

  A user configured a Server Power action at a specific time

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0082

  User Action:

  Information only; no action is required

- **FQXSPPP4003I: Server [arg1] scheduled for every [arg2] at [arg3] by user [arg4].**

  A user configured a recurring Server Power Action

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0083

  User Action:

  Information only; no action is required

- **FQXSPPP4004I: Server [arg1] [arg2] cleared by user [arg3].**

  A user cleared a Server Power Action.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0084

  User Action:

  Information only; no action is required

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

  Power Cap values changed by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none

SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0113

User Action:

Information only; no action is required

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

  Minimum Power Cap value changed

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0114

  User Action:

  Information only; no action is required

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

  Maximum Power Cap value changed

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0115

  User Action:

  Information only; no action is required

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

  Soft Minimum Power Cap value changed

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0116

  User Action:

  Information only; no action is required

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

  Power exceeded cap

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

User Action:

Information only; no action is required

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

  Minimum Power Cap exceeds Power Cap

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

  User Action:

  Information only; no action is required

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

  Power capping activated by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0119

  User Action:

  Information only; no action is required

- **FQXSPPP4012I: Power capping was deactivated by user [arg1].**

  Power capping deactivated by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0120

  User Action:

  Information only; no action is required

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

  Static Power Savings mode turned on by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0121

  User Action:

  Information only; no action is required

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

  Static Power Savings mode turned off by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0122

  User Action:

  Information only; no action is required

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

  Dynamic Power Savings mode turned on by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0123

  User Action:

  Information only; no action is required

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

  Dynamic Power Savings mode turned off by user

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0124

  User Action:

  Information only; no action is required

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

  Power cap and external throttling occurred

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0125

  User Action:

  Information only; no action is required

- **FQXSPPP4018I: External throttling occurred .**

  External throttling occurred

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0126

User Action:

Information only; no action is required

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

  Power cap throttling occurrred

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0127

  User Action:

  Information only; no action is required

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

  Power exceeded cap recovered

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

  User Action:

  Information only; no action is required

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

  Minimum Power Cap exceeds Power Cap recovered

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

  User Action:

  Information only; no action is required

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

  The server was restarted for an unknown reason

  Severity: Info
  Serviceable: No
  Automatically notify Support: No

Alert Category: System - Other
SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0166

User Action:

Information only; no action is required

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

  Server is restarted by chassis control command

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

  User Action:

  Information only; no action is required

- **FQXSPPP4024I: The server was reset via pushbutton.**

  Server was reset via pushbutton

  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 pushbutton.**

  Server was power-up via power pushbutton

  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 restore..**

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

  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 pushbutton.**

  Server was powered off via pushbutton

  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 restore..**

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

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

  User Action:

  Information only; no action is required

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

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

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

User Action:

Information only; no action is required

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

  Server was power off via Platform Event Filter

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

  User Action:

  Information only; no action is required

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

  Server was powered up via Real Time Clock (scheduled power off)

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

  User Action:

  Information only; no action is required

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

  Management Controller reset was initiated due to Power-On-Reset

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

  User Action:

  Information only; no action is required

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

  Management Controller reset was initiated by PRESET

  Severity: Info
  Serviceable: No

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

User Action:

Information only; no action is required

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

  Management Controller reset was initiated by CMM

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

  User Action:

  Information only; no action is required

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

  Management Controller reset was initiated by XCC firmware

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

  User Action:

  Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0021

  User Action:

  Information only; no action is required

- **FQXSPPP4048I: Attempting to AC power cycle server [arg1] by user [arg2].**

  AC power cycle server

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

CIM Prefix: IMM CIM ID: 0227

User Action:

Information only; no action is required

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

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

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

  User Action:

  Information only; no action is required

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

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

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

  User Action:

  Information only; no action is required

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

User Action:

Complete the following steps until the problem is solved:

1. Check the event log of XClarity Controller (XCC) 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,clean, and correctly installed.
3. Make sure that the room temperature is within operating specifications.
4. Make sure that the microprocessor 1 heat sink is securely installed.
5. Make sure that the microprocessor 1 heat sink is installed correctly and the thermal interface is correctly applied.
6. (Trained technician only) Replace the system board.

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

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

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

User Action:

Complete the following steps:

1. Check the event log of XClarity Controller for any fan or cooling-related issues or power-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.clean, and correctly installed.

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

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

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

User Action:

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 system.
3. If problem persists, collect Service Data log.
4. Contact Lenovo Support.

- **FQXSPPU0004M: [ProcessorElementName] has Failed with FRB1/BIST condition.**

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

Severity: Error
Serviceable: Yes
Automatically notify Support: Yes
Alert Category: Critical - CPU
SNMP Trap ID: 40
CIM Prefix: PLAT CIM ID: 0044

User Action:

Complete the following steps:

1. If the system board or firmware was just updated, check the Lenovo support site for an applicable service bulletin or firmware update that applies to this processor error.
2. If problem persists, collect Service Data log.
3. Contact Lenovo Support.

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

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:

Complete the following steps:

1. Verify that the Processor's are installed in the correct sockets according to the service information for this product. If not, correct that problem.
2. Check Lenovo support site for an applicable service bulletin or UEFI firmware update that applies to this Processor error.
3. Contact Lenovo for further support.

- **FQXSPPU0009N: [ProcessorElementName] 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:

1. Check Lenovo support site for an applicable service bulletin or firmware update that applies to this processor error.
2. If problem persists, collect Service Data log.

3. Contact Lenovo Support.

- **FQXSPPU0011N: An SM BIOS Uncorrectable CPU complex error for [ProcessorElementName] has asserted.**

  This message is for the use case when an SM BIOS Uncorrectable CPU complex error has asserted.

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - CPU
  SNMP Trap ID: 40
  CIM Prefix: PLAT CIM ID: 0816

  User Action:

  Complete the following steps:

  1. Check Lenovo support site for an applicable service bulletin or UEFI firmware update that applies to this error.
  2. Reboot system.
  3. If problem persists, collect Service Data log.
  4. Contact Lenovo Support.

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

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required

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

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

  Severity: Info

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

User Action:

Information only; no action is required

- **FQXSPPU2007I: The System [ComputerSystemElementName] has detected a POST Error deassertion.**

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

  Severity: Info
  Serviceable: 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.

- **FQXSPPW0001I: Power supply [arg1] in the enclosure (MTM-SN: [arg2])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

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Power Off
  SNMP Trap ID: 23
  CIM Prefix: PLAT CIM ID: 0106

  User Action:

  Information only; no action is required

- **FQXSPPW0009I: [PowerSupplyElementName] has been Power Cycled.**

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

  Severity: Info

Serviceable: No
Automatically notify Support: No
Alert Category: System - Other
SNMP Trap ID:
CIM Prefix: PLAT CIM ID: 0108

User Action:

Information only; no action is required

- **FQXSPPW0031J: Numeric sensor [NumericSensorElementName] going low (lower non-critical) has asserted.**

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

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

  User Action:

  CMOS battery is recommended to replace with new one.

- **FQXSPPW0035M: Numeric sensor [NumericSensorElementName] going low (lower critical) has asserted.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: Yes
  Alert Category: Critical - Voltage
  SNMP Trap ID: 1
  CIM Prefix: PLAT CIM ID: 0480

  User Action:

  Complete the following steps:

  1. If the specified sensor is Planar 3.3V or Planar 5V, (trained technician only)replace the system board.
  2. If the specified sensor is Planar 12V, ensure PDB board is installed correcly and check the XClarity Controller event log for power-supply-related issues, and resolve those issues.
  3. If the problem remains, replace (trained technician only)the PDB board or system board.

- **FQXSPPW0047M: Numeric sensor [NumericSensorElementName] going high (upper critical) has asserted.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: Yes
  Alert Category: Critical - Voltage
  SNMP Trap ID: 1
  CIM Prefix: PLAT CIM ID: 0494

User Action:

Complete the following steps:

1. If the specified sensor is Planar 3.3V or Planar 5V, (trained technician only)replace the system board.
2. If the specified sensor is Planar 12V, ensure PDB board is installed correcly and check the XClarity Controller event log for power-supply-related issues, and resolve those issues.
3. If the problem remains, replace (trained technician only)the PDB or system board.

- **FQXSPPW0063M: Sensor [SensorElementName] has transitioned to critical from a less severe state.**

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

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

  User Action:

  Complete the following steps:

  1. Perform virtual system reseat or A/C power cycle.
  2. If the error still present, remove A/C power and any recently installed components.
  3. If the server 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 server.
     b. Inspect the previously installed components for physical damage and resolve 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.

- **FQXSPPW0110M: Non-redundant:Insufficient Resources for [RedundancySetElementName] 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 any power adapter is missing, failing or not installed properly. If so, re-install or replace it.
  2. Check the power adapter max rate and power capping policy. If the required power resource is not met, change the power adapter or modify power capping mechanism.

- **FQXSPPW2001I: Power supply [arg1] in the enclosure (MTM-SN: [arg2])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

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Power On
  SNMP Trap ID: 24
  CIM Prefix: PLAT CIM ID: 0107

  User Action:

  Information only; no action is required

- **FQXSPPW2031I: Numeric sensor [NumericSensorElementName] going low (lower non-critical) has deasserted.**

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

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

  User Action:

  Information only; no action is required

- **FQXSPPW2035I: Numeric sensor [NumericSensorElementName] going low (lower critical) has deasserted.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Voltage
  SNMP Trap ID: 1
  CIM Prefix: PLAT CIM ID: 0481

User Action:

Information only; no action is required

- **FQXSPPW2047I: Numeric sensor [NumericSensorElementName] going high (upper critical) has deasserted.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Voltage
  SNMP Trap ID: 1
  CIM Prefix: PLAT CIM ID: 0495

  User Action:

  Information only; no action is required

- **FQXSPPW2063I: Sensor [SensorElementName] has transitioned to a less severe state from critical.**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Voltage
  SNMP Trap ID: 1
  CIM Prefix: PLAT CIM ID: 0523

  User Action:

  Information only; no action is required

- **FQXSPPW2110I: Non-redundant:Insufficient Resources for [RedundancySetElementName] 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.

- **FQXSPPW4001I: PCIe Power Brake for [arg1] has been [arg2].**

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

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

SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0243

User Action:

Information only; no action is required

- **FQXSPSB2000I: The System [ComputerSystemElementName] has detected a POST Error deassertion.**

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

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

  User Action:

  Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required

- **FQXSPSD0001L: Drive [arg1] in the enclosure(MTM-SN: [arg2]) has been disabled due to a detected fault.**

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: Yes
  Alert Category: Critical - Hard Disk drive
  SNMP Trap ID: 5
  CIM Prefix: PLAT CIM ID: 0164

  User Action:

  Complete the following steps:

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

- **FQXSPSD0002G: Failure Predicted on drive [arg1] in the enclosure (MTM-SN: [arg2]).**

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

Severity: Warning
Serviceable: Yes
Automatically notify Support: Yes
Alert Category: System - Predicted Failure
SNMP Trap ID: 27
CIM Prefix: PLAT CIM ID: 0168

User Action:

Replace hard disk drive 0 at the next maintenance period.

- **FQXSPSD0005L: Array critical asserted on drive [arg1] in the enclosure (MTM-S/N: [arg2]).**

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

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

  User Action:

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

- **FQXSPSD0007I: Array rebuild in progress on drive [arg1] in the enclosure (MTM-S/N: [arg2]).**

  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:
  CIM Prefix: PLAT CIM ID: 0178

  User Action:

  Information only; no action is required

- **FQXSPSD2000I: Drive [arg1] in the enclosure(MTM-SN: [arg2]) has been removed.**

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

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

  User Action:

  Complete the following steps until the problem is solved:

  1. If 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 drive is correctly seated, replace the drive.

- **FQXSPSD2001I: Drive [arg1] in the enclosure(MTM-SN: [arg2]) has been enabled.**

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 drive [arg1] in the enclosure (MTM-S/N: [arg2]).**

  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

- **FQXSPSD2005I: Array critical deasserted on drive [arg1] in the enclosure (MTM-S/N: [arg2]).**

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

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

  User Action:

  Information only; no action is required

- **FQXSPSD2007I: Array rebuild completed on drive [arg1] in the enclosure (MTM-S/N: [arg2]).**

  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:
  CIM Prefix: PLAT CIM ID: 0179

  User Action:

  Information only; no action is required

- **FQXSPSE0000F: The Chassis [PhysicalPackageElementName] 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:

The chassis is either opened or is not properly sealed, please ensure the chassis is installed well and activate the server.

- **FQXSPSE2000I: The Chassis [PhysicalPackageElementName] 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.

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

  This message is for the use case when there is an error with an SSL Server, SSL Client, or SSL Trusted CA Certificate.

  Severity: Error
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0002

  User Action:

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

- **FQXSPSE4001I: Remote Login Successful. Login ID: [arg1] using [arg2] from [arg3] at IP address [arg4].**

  This message is for the use case where a user successfully logs in to a Management Controller.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0014

  User Action:

  Information only; no action is required

- **FQXSPSE4002I: Security: Userid: [arg1] using [arg2] had [arg3] login failures from WEB client at IP address [arg4].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0016

  User Action:

  Complete the following steps until the problem is solved:

  1. Make sure that the correct login ID and password are being used.
  2. Have the system administrator reset the login ID or password.

- **FQXSPSE4003I: Security: Login ID: [arg1] had [arg2] login failures from CLI at [arg3].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0017

  User Action:

  Complete the following steps until the problem is solved:

  1. Make sure that the correct login ID and password are being used.
  2. Have the system administrator reset the login ID or password.

- **FQXSPSE4004I: Remote access attempt failed. Invalid userid or password received. Userid is [arg1] from WEB browser at IP address [arg2].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0018

  User Action:

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

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

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

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

User Action:

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

- **FQXSPSE4007I: Security: Userid: [arg1] using [arg2] had [arg3] login failures from an SSH client at IP address [arg4].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0041

  User Action:

  Complete the following steps until the problem is solved:

  1. Make sure that the correct login ID and password are being used.
  2. Have the system administrator reset the login ID or password.

- **FQXSPSE4008I: SNMPv1 [arg1] set by user [arg2]: Name=[arg3], AccessType=[arg4], Address=[arg5], .**

  A user changed the SNMP community string

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0075

  User Action:

  Information only; no action is required

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

  A user changed the LDAP server configuration

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0076

  User Action:

  Information only; no action is required

- **FQXSPSE4010I: LDAP set by user [arg1]: RootDN=[arg2], UIDSearchAttribute=[arg3], BindingMethod=[arg4], EnhancedRBS=[arg5], TargetName=[arg6], GroupFilter=[arg7], GroupAttribute=[arg8], LoginAttribute=[arg9].**

  A user configured an LDAP Miscellaneous setting

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0077

  User Action:

  Information only; no action is required

- **FQXSPSE4011I: Secure Web services (HTTPS) [arg1] by user [arg2].**

  A user enables or disables Secure web services

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0091

  User Action:

  Information only; no action is required

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

  A user enables or disables Secure CIM/XML services

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0092

  User Action:

  Information only; no action is required

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

  A user enables or disables Secure LDAP services

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0093

  User Action:

  Information only; no action is required

- **FQXSPSE4014I: SSH [arg1] by user [arg2].**

A user enables or disables SSH services

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0094

User Action:

Information only; no action is required

- **FQXSPSE4015I: Global Login General Settings set by user [arg1]: AuthenticationMethod=[arg2], LockoutPeriod=[arg3], SessionTimeout=[arg4].**

  A user changes the Global Login General Settings

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0098

  User Action:

  Information only; no action is required

- **FQXSPSE4016I: Global Login Account Security set by user [arg1]: PasswordRequired=[arg2], PasswordExpirationPeriod=[arg3], MinimumPasswordReuseCycle=[arg4], MinimumPasswordLength=[arg5], MinimumPasswordChangeInterval=[arg6], MaxmumLoginFailures=[arg7], LockoutAfterMaxFailures=[arg8].**

  A user changes the Global Login Account Security Settings to Legacy

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0099

  User Action:

  Information only; no action is required

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

  A user account was created

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0100

  User Action:

  Information only; no action is required

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

  A user account was deleted

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0101

  User Action:

  Information only; no action is required

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

  A user account was changed

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0102

  User Action:

  Information only; no action is required

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

  A user account role assigned

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0103

  User Action:

  Information only; no action is required

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

  User account priveleges assigned

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0104

  User Action:

  Information only; no action is required

- **FQXSPSE4022I: User [arg1] for SNMPv3 set: AuthenticationProtocol=[arg2], PrivacyProtocol=[arg3], AccessType=[arg4], HostforTraps=[arg5].**

User account SNMPv3 settings changed

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0105

User Action:

Information only; no action is required

- **FQXSPSE4023I: SSH Client key added for user [arg1].**

  User locally defined an SSH Client key

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0106

  User Action:

  Information only; no action is required

- **FQXSPSE4024I: SSH Client key imported for user [arg1] from [arg2].**

  User imported an SSH Client key

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0107

  User Action:

  Information only; no action is required

- **FQXSPSE4025I: SSH Client key removed from user [arg1].**

  User removed an SSH Client key

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0108

  User Action:

  Information only; no action is required

- **FQXSPSE4026I: Security: Userid: [arg1] had [arg2] login failures from a CIM client at IP address [arg3].**

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

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

User Action:

Information only; no action is required

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

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

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

  User Action:

  Information only; no action is required

- **FQXSPSE4028I: Security: Userid: [arg1] had [arg2] login failures from IPMI client at IP address [arg3].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0153

  User Action:

  Information only; no action is required

- **FQXSPSE4029I: Security: Userid: [arg1] had [arg2] login failures from SNMP client at IP address [arg3].**

  This message is for the use case where a user has failed to access a Management Controller from SNMP.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0154

  User Action:

  Information only; no action is required

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

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

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

User Action:

Information only; no action is required

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

  This message is for the use case where a user successfully logs in to a Management Controller.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0156

  User Action:

  Information only; no action is required

- **FQXSPSE4032I: Login ID: [arg1] from [arg2] at IP address [arg3] has logged off.**

  This message is for the use case where a user has logged off of a Management Controller.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0157

  User Action:

  Information only; no action is required

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

  This message is for the use case where a user has been logged off of a Management Controller.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0158

  User Action:

  Information only; no action is required

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

  User removed certificate

Severity: Info
Serviceable: No
Automatically notify Support: No
Alert Category: System - Other
SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0164

User Action:

Information only; no action is required

- **FQXSPSE4035I: A certificate has been revoked .**

  A certificate has been revoked

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0165

  User Action:

  Information only; no action is required

- **FQXSPSE4036I: The [arg1] certificate is expired and has been removed.**

  Expired certificate has been removed

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0190

  User Action:

  Information only; no action is required

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

  Crypto mode modified

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

  User Action:

  Information only; no action is required

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

  Minimum TLS level modified

  Severity: Info
  Serviceable: No
  Automatically notify Support: No

Alert Category: System - Other
SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0219

User Action:

Information only; no action is required

- **FQXSPSE4039I: Temporary user account [arg1] is created by inband tool.**

  Temporary user account create

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

  User Action:

  One user account is created

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

  Temporary user account expire

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

  User Action:

  The user account you input is expired

- **FQXSPSE4041I: Security: Userid: [arg1] had [arg2] login failures from a SFTP client at IP address [arg3].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Remote Login
  SNMP Trap ID: 30
  CIM Prefix: IMM CIM ID: 0230

  User Action:

  Information only; no action is required

- **FQXSPSE4042I: The third-party password function [arg1].**

  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].**

  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].**

  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].**

  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.**

  This message is for the use case where a user successfully retrieving the third-party password.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0242

  User Action:

Information only; no action is required

- **FQXSPSE4047I: Role [arg1] is [arg2] and assigned with custom privileges [arg3][arg4][arg5][arg6] [arg7][arg8][arg9][arg10][arg11] by user [arg12] .**

  Role create modify and assign

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0246

  User Action:

  Information only; no action is required

- **FQXSPSE4048I: Role [arg1] is removed by user [arg2].**

  Role is removed

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0247

  User Action:

  Information only; no action is required

- **FQXSPSE4049I: Role [arg1] is assigned to user [arg2] by user [arg3].**

  Role is assgned

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0248

  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: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0269

  User Action:

  Information only; no action is required.

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

  This message is for the use case where a user has generated a Test Alert.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0040

  User Action:

  Information only; no action is required

- **FQXSPSS4001I: Server General Settings set by user [arg1]: Name=[arg2], Contact=[arg3], Location=[arg4], Room=[arg5], RackID=[arg6], Rack U-position=[arg7], Address=[arg8].**

  A user configured the Location setting

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0080

  User Action:

  Information only; no action is required

- **FQXSPSS4002I: License key for [arg1] added by user [arg2].**

  A user installs License Key

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0096

  User Action:

  Information only; no action is required

- **FQXSPSS4003I: License key for [arg1] removed by user [arg2].**

  A user removes a License Key

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0097

  User Action:

  Information only; no action is required

- **FQXSPSS4004I: Test Call Home Generated by user [arg1].**

Test Call Home generated by user.

Severity: Info
Serviceable: No
Automatically notify Support: Yes
Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0134

User Action:

Information only; no action is required

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

  Manual Call Home by user.

  Severity: Info
  Serviceable: No
  Automatically notify Support: Yes
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0135

  User Action:

  Information only; no action is required

- **FQXSPSS4006I: Call Home to [arg1] failed to complete: [arg2].**

  Call Home failed to complete.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0195

  User Action:

  Information only; no action is required

- **FQXSPSS4007I: The BMC functionality tier is changed from [arg1] to [arg2].**

  Tier Change

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0222

  User Action:

  Information only; no action is required

- **FQXSPSS4008I: The [arg1] setting has been changed to [arg2] by user [arg3].**

  The setting has been changed by user

  Severity: Info
  Serviceable: No

Automatically notify Support: No
Alert Category: System - Other
SNMP Trap ID: 22
CIM Prefix: IMM CIM ID: 0225

User Action:

Information only; no action is required

- **FQXSPSS4009I: System enters LXPM maintenance mode.**

  The system enters maintenance mode

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

  User Action:

  Information only; no action is required

- **FQXSPSS4010I: Test Audit Log generated by user [arg1].**

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0237

  User Action:

  Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0033

  User Action:

  Information only; no action is required

- **FQXSPTR4001I: Date and Time set by user [arg1]: Date=[arg2], Time-[arg3], DST Auto-adjust=[arg4], Timezone=[arg5].**

  A user configured the Date and Time settings

  Severity: Info
  Serviceable: No
  Automatically notify Support: No

Alert Category: none
SNMP Trap ID:
CIM Prefix: IMM CIM ID: 0079

User Action:

Information only; no action is required

- **FQXSPTR4002I: Synchronize time setting by user [arg1]: Mode=Sync with NTP Server, NTPServerHost1=[arg2]:[arg3],NTPServerHost2=[arg4]:[arg5],NTPServerHost3=[arg6]:[arg7], NTPServerHost4=[arg8]:[arg9],NTPUpdateFrequency=[arg10].**

  A user configured the Date and Time synchronize settings

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0085

  User Action:

  Information only; no action is required

- **FQXSPTR4003I: Synchronize time setting by user [arg1]: Mode=Sync with server clock.**

  A user configured the Date and Time synchronize settings

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0224

  User Action:

  Information only; no action is required

- **FQXSPUN0009G: Sensor [SensorElementName] has asserted.**

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

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

  User Action:

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

- **FQXSPUN0009I: Sensor [SensorElementName] has asserted.**

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

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

SNMP Trap ID:
CIM Prefix: PLAT CIM ID: 0508

User Action:

Information only; no action is required

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

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

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

  User Action:

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

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

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

  Severity: Error
  Serviceable: Yes
  Automatically notify Support: No
  Alert Category: Critical - Other
  SNMP Trap ID: 50
  CIM Prefix: PLAT CIM ID: 0522

  User Action:

  Complete the following steps:

  1. Please check XCC web GUI to see the identified error.
  2. Check system event log to fix the error.
  3. If the problem still exist, please contact local service.

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

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

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

  User Action:

  Complete the following steps 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. Replace the drive and recreate array.

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

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

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

  User Action:

  Complete the following steps:

  1. Check the Lenovo support site for an applicable service bulletin or firmware update that applies to this error.
  2. Reboot the system.
  3. If the error continues, replace the system-board assembly (see hardware maintenance manual).

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

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

  Severity: Warning
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID:
  CIM Prefix: PLAT CIM ID: 0536

  User Action:

  Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID:
  CIM Prefix: PLAT CIM ID: 0536

  User Action:

  Information only; no action is required

- **FQXSPUN2009I: Sensor [SensorElementName] has deasserted.**

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

  Severity: Info

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

User Action:

Information only; no action is required

- **FQXSPUN2012I: Sensor [SensorElementName] has deasserted.**

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

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

  User Action:

  Information only; no action is required

- **FQXSPUN2018I: Sensor [SensorElementName] has deasserted the transition from normal to non-critical state.**

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

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

  User Action:

  Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: Critical - Other
  SNMP Trap ID: 50
  CIM Prefix: PLAT CIM ID: 0523

  User Action:

  Information only; no action is required

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

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

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

User Action:

Information only; no action is required.

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

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

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

  User Action:

  Information only; no action is required

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

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

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID:
  CIM Prefix: PLAT CIM ID: 0537

  User Action:

  Information only; no action is required

- **FQXSPUP0002I: A firmware or software change occurred on system [ComputerSystemElementName].**

  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:
  CIM Prefix: PLAT CIM ID: 0438

  User Action:

  Information only; no action is required

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

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

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

User Action:

Reflash or update XCC firmware

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

  This message is for the use case where a Management Controller firmware version does not match the server.

  Severity: Error
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0031

  User Action:

  Update the XCC firmware to a version that the server supports. Important: Some cluster solutions require specific code levels or coordinated code updates. If the device is part of a cluster solution, verify that the latest level of code is supported for the cluster solution before you update the code.

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

  This message is for the use case where a user has successfully flashed the firmware component (MC Main Application, MC Boot ROM, BIOS, Diagnostics, System Power Backplane, Remote Expansion Enclosure Power Backplane, Integrated System Management).

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: none
  SNMP Trap ID:
  CIM Prefix: IMM CIM ID: 0035

  User Action:

  Information only; no action is required

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

  This message is for the use case where a user has not flashed the firmware component from the interface and IP address due to a failure.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0036

User Action:

Information only; no action is required

- **FQXSPUP4003I: [arg1] firmware mismatch internal to system [arg2]. Please attempt to flash the [arg3] firmware.**

  This message is for the use case where a specific type of firmware mismatch has been detected.

  Severity: Error
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID: 22
  CIM Prefix: IMM CIM ID: 0042

  User Action:

  Reflash the XCC firmware to the latest version.

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

  A mismatch of XCC firmware has been detected between nodes

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

  User Action:

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

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

  A mismatch of FPGA firmware has been detected between nodes

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

  User Action:

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

- **FQXSPWD0000I: Watchdog Timer expired for [WatchdogElementName].**

  This message is for the use case when an implementation has detected a Watchdog Timer Expired.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID:
  CIM Prefix: PLAT CIM ID: 0368

User Action:

Information only; no action is required

- **FQXSPWD0001I: Reboot of system [ComputerSystemElementName] initiated by watchdog [WatchdogElementName].**

  This message is for the use case when an implementation has detected a Reboot by a Watchdog occurred.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID:
  CIM Prefix: PLAT CIM ID: 0370

  User Action:

  Information only; no action is required

- **FQXSPWD0002I: Powering off system [ComputerSystemElementName] initiated by watchdog [WatchdogElementName].**

  This message is for the use case when an implementation has detected a Poweroff by Watchdog has occurred.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID:
  CIM Prefix: PLAT CIM ID: 0372

  User Action:

  Information only; no action is required

- **FQXSPWD0003I: Power cycle of system [ComputerSystemElementName] initiated by watchdog [WatchdogElementName].**

  This message is for the use case when an implementation has detected a Power Cycle by Watchdog occurred.

  Severity: Info
  Serviceable: No
  Automatically notify Support: No
  Alert Category: System - Other
  SNMP Trap ID:
  CIM Prefix: PLAT CIM ID: 0374

  User Action:

  Information only; no action is required

- **FQXSPWD0004I: Watchdog Timer interrupt occurred for [WatchdogElementName].**

  This message is for the use case when an implementation has detected a Watchdog Timer interrupt occurred.

  Severity: Info
  Serviceable: No

Automatically notify Support: No
Alert Category: System - Other
SNMP Trap ID:
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
FQXSFDD0008I	Self-Encrypting Drive (SED) Error: recovered from failure to get key.	Informational
FQXSFDD0009I	Self-Encrypting Drive (SED) Error: recovered from failure to access drive [arg1].	Informational
FQXSFDD0010I	Self-Encrypting Drive (SED) Error: recovered from failure to unlock drive [arg1].	Informational
FQXSFDD0011I	Self-Encrypting Drive (SED) Error: recovered from failure to set password to drive [arg1].	Informational
FQXSFIO0015I	IFM: System reset performed to reset adapters.	Informational
FQXSFIO0018I	IFM: Configuration too large for compatibility mode.	Informational

Table 3. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSFIO0020J	PCIe Isolation has occurred in PCIe slot [arg1]. The adapter may not operate correctly.	Informational
FQXSFMA0001I	DIMM [arg1] Disable has been recovered. [arg2]	Informational
FQXSFMA0002I	The uncorrectable memory error state has been cleared.	Informational
FQXSFMA0006I	[arg1] DIMM [arg2] has been detected, the DIMM serial number is [arg3].	Informational
FQXSFMA0007I	[arg1] DIMM number [arg2] has been replaced. [arg3]	Informational
FQXSFMA0008I	DIMM [arg1] POST memory test failure has been recovered. [arg2]	Informational
FQXSFMA0009I	Invalid memory configuration for Mirror Mode has been recovered. [arg1]	Informational
FQXSFMA0010I	Invalid memory configuration for Sparing Mode has been recovered. [arg1]	Informational
FQXSFMA0011I	Memory population change detected. [arg1]	Informational
FQXSFMA0012I	The PFA of DIMM [arg1] has been deasserted.	Informational
FQXSFMA0013I	Mirror Fail-over complete. DIMM [arg1] has failed over to to the mirrored copy. [arg2]	Informational
FQXSFMA0014I	Memory spare copy initiated. [arg1]	Informational
FQXSFMA0015I	Memory spare copy has completed successfully. [arg1]	Informational
FQXSFMA0026I	DIMM [arg1] Self-healing attempt [arg2]. [arg3]	Informational
FQXSFMA0029I	The PFA of DIMM [arg1] has been deasserted after applying PPR for this DIMM. [arg2]	Informational
FQXSFPU0020I	The UEFI firmware image capsule signature is invalid.	Informational
FQXSFPU0021I	The TPM physical presence state has been cleared.	Informational
FQXSFPU0023I	Secure Boot Image Verification Failure has been cleared as no failure in this round boot.	Informational
FQXSFPU0025I	The default system settings have been restored.	Informational
FQXSFPU4034I	TPM Firmware recovery is finished, rebooting system to take effect.	Informational
FQXSFPU4038I	TPM Firmware recovery successful.	Informational
FQXSFPU4041I	TPM Firmware update is in progress. Please DO NOT power off or reset system.	Informational
FQXSFPU4042I	TPM Firmware update is finished, rebooting system to take effect.	Informational
FQXSFPU4044I	The current TPM firmware version could not support TPM version toggling.	Informational
FQXSFPU4046I	TPM Firmware will be updated from TPM1.2 to TPM2.0.	Informational
FQXSFPU4047I	TPM Firmware will be updated from TPM2.0 to TPM1.2.	Informational
FQXSFPU4049I	TPM Firmware update successful.	Informational
FQXSFPU4080I	Host Power-On password has been changed.	Informational

Table 3. Events organized by severity (continued)

Event ID	Message String	Severity
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
FQXSFSR0002I	[arg1] GPT corruption recovered, DiskGUID: [arg2]	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
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
FQXSFIO0009M	An inter-board UPI dynamic link width reduction has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].	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
FQXSFIO0016M	IFM: Reset loop avoided - Multiple resets not allowed.	Warning
FQXSFIO0021J	PCIe Error Recovery has occurred in physical [arg1] number [arg2]. The [arg3] may not operate correctly.	Warning
FQXSFMA0012L	The [arg1] PFA Threshold limit has been exceeded on DIMM [arg2] at address [arg3]. [arg4]	Warning
FQXSFMA0016M	Memory spare copy failed. [arg1]	Warning
FQXSFMA0027M	DIMM [arg1] Self-healing, attempt post package repair (PPR) failed at Rank [arg2] Sub Rank [arg3] Bank [arg4] Row [arg5] on Device [arg6]. [arg7]	Warning
FQXSFMA0028M	DIMM [arg1] Self-healing, attempt post package repair (PPR) exceeded DIMM level threshold [arg2] at Rank [arg3] Sub Rank [arg4] Bank [arg5] Row [arg6] on Device [arg7]. [arg8]	Warning
FQXSFMA0047M	SPD CRC checking failed on DIMM [arg1]. [arg2]	Warning
FQXSFPU0021G	Hardware physical presence is in asserted state.	Warning
FQXSFPU0022G	The TPM configuration is not locked.	Warning
FQXSFPU0023G	Secure Boot Image Verification Failure Warning.	Warning

Table 3. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSFPU0024G	Intel UEFI ACM startup failed, make sure TPM is enabled.	Warning
FQXSFPU0033G	Processor has been disabled.	Warning
FQXSFPU0062F	System uncorrected recoverable error happened in Processor [arg1] Core [arg2] MC bank [arg3] with MC Status [arg4], MC Address [arg5], and MC Misc [arg6].	Warning
FQXSFPU4033F	TPM Firmware recovery is in progress. Please DO NOT power off or reset system.	Warning
FQXSFPU4035M	TPM Firmware recovery failed. TPM chip may be damaged.	Warning
FQXSFPU4040M	TPM selftest has failed.	Warning
FQXSFPU4043G	TPM Firmware update aborted. System is rebooting...	Warning
FQXSFPU4045G	Physical Presence is not asserted, abort TPM Firmware upgrade.	Warning
FQXSFPU4050G	Failed to update TPM Firmware.	Warning
FQXSFPU4051G	Undefined TPM_TCM_POLICY found	Warning
FQXSFPU4052G	TPM_TCM_POLICY is not locked	Warning
FQXSFPU4053G	System TPM_TCM_POLICY does not match the planar.	Warning
FQXSFPU4054G	TPM/TCM card logical binding has failed.	Warning
FQXSFPW0001L	CMOS has been cleared.	Warning
FQXSFSM0002N	Boot Permission denied by Management Module: System Halted.	Warning
FQXSFSM0003N	Timed Out waiting on boot permission from Management Module: System Halted.	Warning
FQXSFSM0004M	An XCC communication failure has occurred.	Warning
FQXSFSR0001M	[arg1] GPT corruption detected, DiskGUID: [arg2]	Warning
FQXSFSR0003G	The number of boot attempts has been exceeded. No bootable device found.	Warning
FQXSFTR0001L	An invalid date and time have been detected.	Warning
FQXSFDD0004M	DRIVER HEALTH PROTOCOL: Reports 'System Shutdown' Required Controller.	Error
FQXSFDD0008G	Key Management Interoperability Protocol (KMIP) IPMI Error.	Error
FQXSFDD0008K	Self-Encrypting Drive (SED) Error: failed to get key.	Error
FQXSFDD0009K	Self-Encrypting Drive (SED) Error: failed to access drive [arg1].	Error
FQXSFDD0010K	Self-Encrypting Drive (SED) Error: failed to unlock drive [arg1].	Error
FQXSFDD0011K	Self-Encrypting Drive (SED) Error: failed to set password to drive [arg1].	Error
FQXSFIO0007M	An error has been detected by the IIO on Bus [arg1]. The value of Global Fatal Error Status register is [arg2]. The value of Global Non-Fatal Error Status register is [arg3]. Please check error logs for additional downstream device error data.	Error

Table 3. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSFIO0010M	An Uncorrectable PCIe Error has Occurred at Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The physical [arg6] number is [arg7].	Error
FQXSFIO0011M	A PCIe parity error has occurred on Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The Physical slot number is [arg6].	Error
FQXSFIO0012M	A PCIe system error has occurred on Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The Physical slot number is [arg6].	Error
FQXSFIO0014J	A bad option ROM checksum was detected for the device found at Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The physical slot number is [arg6].	Error
FQXSFIO0017M	IFM: Error communicating with the XCC - IFM may not be deployed correctly.	Error
FQXSFIO0019J	PCIe Resource Conflict [arg1].	Error
FQXSFMA0001M	DIMM [arg1] has been disabled due to an error detected during POST. [arg2]	Error
FQXSFMA0002M	An uncorrectable memory error has been detected on DIMM [arg1] at address [arg2]. [arg3]	Error
FQXSFMA0003K	A memory mismatch has been detected. Please verify that the memory configuration is valid. [arg1]	Error
FQXSFMA0004N	No system memory has been detected. [arg1]	Error
FQXSFMA0005N	Memory is present within the system but could not be configured. Please verify that the memory configuration is valid. [arg1]	Error
FQXSFMA0008M	DIMM [arg1] has failed the POST memory test. [arg2]	Error
FQXSFMA0009K	Invalid memory configuration for Mirror Mode. Please correct memory configuration. [arg1]	Error
FQXSFMA0010K	Invalid memory configuration for Sparing Mode. Please correct memory configuration. [arg1]	Error
FQXSFMA0023M	Error has occurred in NVDIMM flash. NVDIMM backup/restore may not operate correctly. [arg1]	Error
FQXSFMA0024M	Error has occurred in NVDIMM Supercap. NVDIMM backup/restore may not operate correctly. [arg1]	Error
FQXSFMA0025M	NVDIMM Supercap has been disconnected. NVDIMM will lose its backup ability until this is corrected. [arg1]	Error
FQXSFMA0027K	Invalid memory configuration (Unsupported DIMM Population) detected. Please verify memory configuration is valid.	Error
FQXSFMA0028K	Memory Capacity exceeds CPU limit. [arg1]	Error
FQXSFPU0001N	An unsupported processor has been detected.	Error
FQXSFPU0002N	An invalid processor type has been detected.	Error
FQXSFPU0003K	A processor mismatch has been detected between one or more processors in the system.	Error

Table 3. Events organized by severity (continued)

Event ID	Message String	Severity
FQXSFPU0004K	A discrepancy has been detected in the number of cores reported by one or more processors within the system.	Error
FQXSFPU0005K	A mismatch between the maximum allowed UPI link speed has been detected for one or more processors.	Error
FQXSFPU0006K	A power segment mismatch has been detected for one or more processors.	Error
FQXSFPU0007K	Processors have mismatched Internal DDR Frequency	Error
FQXSFPU0008K	A core speed mismatch has been detected for one or more processors.	Error
FQXSFPU0009K	An external clock frequency mismatch has been detected for one or more processors.	Error
FQXSFPU0010K	A cache size mismatch has been detected for one or more processors.	Error
FQXSFPU0011K	A cache type mismatch has been detected for one or more processors.	Error
FQXSFPU0012K	A cache associativity mismatch has been detected for one or more processors.	Error
FQXSFPU0013K	A processor model mismatch has been detected for one or more processors.	Error
FQXSFPU0014N	A processor family mismatch has been detected for one or more processors.	Error
FQXSFPU0015K	A processor stepping mismatch has been detected for one or more processors.	Error
FQXSFPU0016N	A processor within the system has failed the BIST.	Error
FQXSFPU0017G	A processor microcode update failed.	Error
FQXSFPU0018N	CATERR(IERR) has asserted on processor [arg1].	Error
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/TCM card is changed, need install back the original TCM/TPM card which shipped with the system.	Error
FQXSFSM0008M	Boot permission timeout detected.	Error

List of UEFI events

This section lists all messages that can be sent from UEFI.

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

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Go to F1 Setup > System Settings > Settings > Driver Health Status List and find a driver/controller reporting Configuration Required status.
  2. Search for the driver menu from System Settings and change settings appropriately.
  3. Save settings and restart the system.
  4. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFDD0002M: DRIVER HEALTH PROTOCOL: Reports 'Failed' Status Controller.**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Reboot the system.
  2. Reflash the adapter firmware.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFDD0003I: DRIVER HEALTH PROTOCOL: Reports 'Reboot' Required Controller.**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. No action required - system will reboot at the end of POST.
  2. Reflash the adapter firmware.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFDD0004M: DRIVER HEALTH PROTOCOL: Reports 'System Shutdown' Required Controller.**

  Severity: Fatal

  User Action:

  Complete the following steps:

  1. Reboot the system.
  2. Reflash the adapter firmware.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFDD0005M: DRIVER HEALTH PROTOCOL: Disconnect Controller Failed. Requires 'Reboot'.**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Reboot the system to reconnect the controller.
  2. Reflash the adapter firmware.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFDD0006M: DRIVER HEALTH PROTOCOL: Reports Invalid Health Status Driver.**

Severity: Warning

User Action:

Complete the following steps:

1. Reboot the system.
2. Reflash the adapter firmware.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFDD0008G: Key Management Interoperability Protocol (KMIP) IPMI Error.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Check Lenovo Support site for an applicable service bulletin or UEFI firmware update that applies to this error.
  2. A/C cycle the system.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFDD0008I: Self-Encrypting Drive (SED) Error: recovered from failure to get key.**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFDD0008K: Self-Encrypting Drive (SED) Error: failed to get key.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Check key from SKLM server, KMIP server or local security chip.
  2. If using SKLM server or KMIP server, perform following actions:
     a. Check network connection between SKLM/KMIP and system.
     b. Check configuration on SKLM/KMIP server.
     c. Check configuration on XCC website.
     d. DC cycle the system.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFDD0009I: Self-Encrypting Drive (SED) Error: recovered from failure to access drive [arg1].**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFDD0009K: Self-Encrypting Drive (SED) Error: failed to access drive [arg1].**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Check that SED drive and cable are connected.

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

- **FQXSFDD0010I: Self-Encrypting Drive (SED) Error: recovered from failure to unlock drive [arg1].**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFDD0010K: Self-Encrypting Drive (SED) Error: failed to unlock drive [arg1].**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Use recovery menu on XCC web to enter right encryption key to for the system.
  2. DC cycle the system.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFDD0011I: Self-Encrypting Drive (SED) Error: recovered from failure to set password to drive [arg1].**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFDD0011K: Self-Encrypting Drive (SED) Error: failed to set password to drive [arg1].**

  Severity: Error

  User Action:

  Complete the following steps:

  1. DC cycle the system.
  2. If the problem persists, collect Service Data logs and 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.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Check Lenovo Support site for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **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].**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Reboot the system.

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

- **FQXSFIO0009M: An inter-board UPI dynamic link width reduction has been detected on the link between processor [arg1] port [arg2] and processor [arg3] port [arg4].**

  Severity: Warning

  User Action:

  Complete the following steps:

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

- **FQXSFIO0010M: An Uncorrectable PCIe Error has Occurred at Bus [arg1] Device [arg2] Function [arg3]. The Vendor ID for the device is [arg4] and the Device ID is [arg5]. The physical [arg6] number is [arg7].**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Check Lenovo Support site for an applicable device driver, firmware update, version of service information for this product or other information that applies to this error. Load new device driver and any required firmware updates.
  2. If this device and/or any attached cables were recently installed, moved, serviced or upgraded.
     a. a.Reseat adapter or disk and any attached cables.
     b. b.Reload Device Driver.
     c. c.If device is not recognized, reconfiguring slot to lower speed may be required. Gen1/Gen2/Gen3 settings can be configured via F1 Setup -> System Settings -> Devices and I/O Ports ->PCIe Gen1/Gen2/Gen3/Gen4 Speed Selection, or the OneCLI utility.
     d. d.If a PCIe error has also been reported on a second slot within the same node, ensure steps a, b, and c above are also performed for that adapter or disk before proceeding.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **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].**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Check Lenovo Support site for an applicable device driver, firmware update, version of service information for this product or other information that applies to this error. Load new device driver and any required firmware updates.
  2. If this node and/or any attached cables were recently installed, moved, serviced or upgraded.
     a. a.Reseat Adapter and any attached cables.
     b. b.Reload Device Driver.
     c. c.If device is not recognized, reconfiguring slot to Gen1 or Gen2 may be required. Gen1/Gen2 settings can be configured via F1 Setup -> System Settings -> Devices and I/O Ports ->PCIe Gen1/Gen2/Gen3 Speed Selection, or the OneCLI utility.
     d. d.If a PCIe error has also been reported on a second slot within the same node, ensure steps a, b, and c above are also performed for that adapter before proceeding.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **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].**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Check Lenovo Support site for an applicable device driver, firmware update, version of service information for this product or other information that applies to this error. Load new device driver and any required firmware updates.
  2. If this device and/or any attached cables were recently installed, moved, serviced or upgraded.
     a. a.Reseat Adapter and any attached cables.
     b. b.Reload Device Driver.
     c. c.If device is not recognized, reconfiguring slot to Gen1 or Gen2 may be required. Gen1/Gen2 settings can be configured via F1 Setup -> System Settings -> Devices and I/O Ports ->PCIe Gen1/Gen2/Gen3 Speed Selection, or the OneCLI utility.
     d. d.If a PCIe error has also been reported on a second slot within the same node, ensure steps a, b, and c above are also performed for that adapter before proceeding.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **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].**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. If this PCIe device and/or any attached cables were recently installed, moved, serviced or upgraded, 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 and 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].**

  Severity: Error

  User Action:

  Complete the following steps:

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

Note: It may be necessary to configure slot to Gen1 or to use special utility software so that adapter firmware can be upgraded. Gen1/Gen2 settings can be configured via F1 Setup -> System Settings -> Devices and I/O Ports ->PCIe Gen1/Gen2/Gen3 Speed Selection, or the OneCLI utility.

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

- **FQXSFIO0015I: IFM: System reset performed to reset adapters.**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFIO0016M: IFM: Reset loop avoided - Multiple resets not allowed.**

  Severity: Warning

  User Action:

  Complete the following steps:

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

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

  Severity: Error

  User Action:

  Complete the following steps:

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

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

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

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Error

  User Action:

  Complete the following steps:

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

     Note: It may be necessary to configure slot to Gen1 or to use special utility software so that adapter firmware can be upgraded. Gen1/Gen2 settings can be configured via F1 Setup -> System Settings -> Devices and I/O Ports ->PCIe Gen1/Gen2/Gen3 Speed Selection, or the OneCLI utility.

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

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

  Severity: Info

  User Action:

  Complete the following steps:

  1. Check the log for a separate error related to an associated PCIe device and resolve that error.
  2. Check the Lenovo Support site for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
  3. Check the system spec to make sure the PCIe that the PCIe device is installed in the compatible PCIe slot and a compatible cable is used. If not, performance of this device might be impacted.
  4. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Check the log for a separate error related to an associated PCIe device or NVME disk and resolve that error.
  2. Check the Lenovo Support site for an applicable service bulletin or firmware update for the system or adapter that applies to this error.
  3. Check the system spec to make sure that the PCIe device or NVME disk is installed in the compatible PCIe slot or bay and a compatible cable is used. If not, performance of this device might be impacted.
  4. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Error

  User Action:

  Complete the following steps:

  1. Reseat the affected DIMM (Note: The event Log might contain a recent FQXSFMA0011I event denoting detected change in DIMM population that could be related to this problem.)
  2. Boot to F1 setup and enable the DIMM (For AMD, do not need to enable DIMM in Setup). Reboot the system.
  3. Update UEFI firmware to the latest version.
  4. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Info

  User Action:

Information only; no action is required.

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

  Severity: Error

  User Action:

  Complete the following steps:

  1. 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 and contact Lenovo Support.

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

  Severity: Error

  User Action:

  Complete the following steps:

  1. Boot to uEFI F1 screen and check if any memory DIMM is disabled. Memory could be disabled due to previous uncorrectable Errors or uEFI memory test/training errors.
  2. Verify that the DIMMs are installed in the correct population sequence.
  3. Update UEFI firmware to the latest version.
  4. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0004N: No system memory has been detected. [arg1]**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Ensure one or more supported DIMMs are installed in the correct population sequence.
  2. If the system has light-path then check for any lit DIMM-connector LEDs, and if found, reseat those DIMMs. Alternatively (i.e. if light path is not available) the same can be accomplished using XCC GUI.
  3. Swap DIMMs between slots when more than one DIMM is available in the system.
  4. If the DIMMs have been upgraded just prior to the issue than update uEFI using alternate or minimal configuration.
  5. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Error

  User Action:

  Complete the following steps:

  1. Ensure one or more DIMMs are installed in the server.
  2. Resolve existing memory errors if they are present.
  3. If no memory fault is recorded in the logs and no DIMM connector error LEDs are lit, verify that all DIMM connectors are enabled using the Setup utility or the OneCLI utility.

4. Reseat all DIMMs ensuring that DIMMs are installed in the correct population sequence, according to the service information for this product.
5. Clear CMOS memory. Note that all firmware settings will revert to the defaults.
6. Reflash UEFI firmware.
7. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Info

  User Action:

  Complete the following steps:

  1. If this information event is logged in the XCC event log, the server does have unqualified memory installed.
  2. The memory installed may not be covered under warranty.
  3. Without qualified memory, speeds supported above industry standards will not be enabled.
  4. Contact your Local Sales Representative or Authorized Business Partner to order qualified memory to replace the unqualified DIMM(s).
  5. After you install qualified memory and power up the server, check to ensure this informational event is not logged again.
  6. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0007I: [arg1] DIMM number [arg2] has been replaced. [arg3]**

  Severity: Info

  User Action:

  Complete the following steps:

  1. This event should be followed by a recent FQXSFMA0006I event denoting the server does have unqualified memory installed.
  2. Information only; no action is required.

- **FQXSFMA0008I: DIMM [arg1] POST memory test failure has been recovered. [arg2]**

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Error

  User Action:

  Complete the following steps:

  1. If the DIMM configuration was changed prior to this failure verify that the DIMMs are installed in the correct population sequence.
  2. RESEAT the DIMM that failed POST memory test and the DIMMs on adjacent slots if populated. Boot to F1 setup and enable the DIMM. Reboot the system.
  3. If this problem was encountered during an XCC / UEFI update process:
     a. a.Power cycle the system by removing power for a few seconds.
     b. b.Clear CMOS settings by removing battery for a few seconds.
  4. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0009I: Invalid memory configuration for Mirror Mode has been recovered. [arg1]**

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Error

  User Action:

  Complete the following steps:

  1. Ensure that all the DIMMs are enabled and functional by booting to F1 Setup or in XCC web .If any DIMMs are non-functional adddress that first.
  2. Make sure that the DIMM connectors are correctly populated for mirroring mode, according to the service information for this product.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Error

  User Action:

  Complete the following steps:

  1. Ensure that all the DIMMs are enabled and functional by booting to F1 Setup or in XCC web .If any DIMMs are non-functional adddress that first.
  2. Make sure that the DIMM connectors are correctly populated for sparing mode, according to the service information for this product.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Info

  User Action:

  Complete the following steps:

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

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Reseat affected DIMM.
  2. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this memory error.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Info

  User Action:

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

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

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

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

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Boot to uEFI F1 screen and make sure that all DIMMs are enabled. Reboot the system.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Error

  User Action:

  Complete the following steps:

  1. Reseat the affected NDIMM, and the DIMM in the adjacent slots if populated.
  2. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this memory error.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

Severity: Error

User Action:

Complete the following steps:

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

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

  Severity: Error

  User Action:

  Complete the following steps:

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

- **FQXSFMA0026I: DIMM [arg1] Self-healing attempt [arg2]. [arg3]**

  Severity: Info

  User Action:

  Complete the following steps:

  1. Information only; no action is required.
  2. Note: Post Package Repair (PPR) – is the memory Self-Healing process of substituting the access to a bad cell or address row with a spare row within the DRAM device.
     a. Soft Post Package Repair (sPPR) - repairs a row for the current boot cycle. If system power is removed or the system is rebooted (reset), the DIMM reverts to its original state.
     b. Hard Post Package Repair (hPPR) – permanently repairs a row.

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

  Severity: Error

  User Action:

  Complete the following steps:

  1. This event could follow an uncorrectable memory error or failed memory test. Check the log and resolve that event first. DIMMs disabled by other errors or actions could cause this event.
  2. Ensure that the DIMM are populated in the correct sequence, according to the service information for this product.
  3. If DIMMs are present and properly installed, check for any lit DIMM connector error LEDs, and if found, reseat those DIMMs, then check logs for memory diagnostic codes.
  4. Reset UEFI to default settings.

5. If problem persists, update UEFI firmware.
6. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFMA0027M: DIMM [arg1] Self-healing, attempt post package repair (PPR) failed at Rank [arg2] Sub Rank [arg3] Bank [arg4] Row [arg5] on Device [arg6]. [arg7]**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Reseat the affected DIMM (Note: The event Log might contain a recent FQXSFMA0011I event denoting detected change in DIMM population that could be related to this problem.)
  2. Boot to F1 setup and enable the DIMM. Reboot the system.
  3. Update UEFI firmware to the latest version.
  4. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Error

  User Action:

  Complete the following steps:

  1. Remove AC power from the system.
  2. Modify memory configuration to ensure the memory capacity does not exceed the processor part number limit.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Reseat the affected DIMM (Note: The event Log might contain a recent FQXSFMA0011I event denoting detected change in DIMM population that could be related to this problem.)
  2. Boot to F1 setup and re-enable the DIMM. Reboot the system.
  3. Update UEFI firmware to the latest version.
  4. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

  Complete the following steps:

1. Perform a virtual reseat or AC cycle the server.
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0001N: An unsupported processor has been detected.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Check Lenovo Support site for a firmware update required for this processor and install that update, if applicable.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0002N: An invalid processor type has been detected.**

  Severity: Error

  User Action:

  Complete the following steps:

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

- **FQXSFPU0003K: A processor mismatch has been detected between one or more processors in the system.**

  Severity: Error

  User Action:

  Complete the following steps:

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

- **FQXSFPU0004K: A discrepancy has been detected in the number of cores reported by one or more processors within the system.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. If this is a newly installed option, ensure that matching processors are installed in the correct processor sockets.
  2. Check Lenovo Support site for an applicable service bulletin that applies to this processor error.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0005K: A mismatch between the maximum allowed UPI link speed has been detected for one or more processors.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. If this is a newly installed option, ensure that matching processors are installed in the correct processor sockets.
  2. Check Lenovo Support site for an applicable service bulletin that applies to this processor error.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0006K: A power segment mismatch has been detected for one or more processors.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. If this is a newly installed option, ensure that matching processors are installed in the correct processor sockets.
  2. Check Lenovo Support site for an applicable service bulletin that applies to this processor error.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0007K: Processors have mismatched Internal DDR Frequency**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Verify that matching DIMMs are installed in the correct population sequence. Correct any configuration issues found.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0008K: A core speed mismatch has been detected for one or more processors.**

  Severity: Error

  User Action:

  Complete the following steps:

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

- **FQXSFPU0009K: An external clock frequency mismatch has been detected for one or more processors.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Verify that the processor is a valid option that is listed as a Server Proven device for this system. If not, remove the processor and install one listed on the Server Proven website.

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

- **FQXSFPU0010K: A cache size mismatch has been detected for one or more processors.**

  Severity: Error

  User Action:

  Complete the following steps:

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

- **FQXSFPU0011K: A cache type mismatch has been detected for one or more processors.**

  Severity: Error

  User Action:

  Complete the following steps:

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

- **FQXSFPU0012K: A cache associativity mismatch has been detected for one or more processors.**

  Severity: Error

  User Action:

  Complete the following steps:

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

- **FQXSFPU0013K: A processor model mismatch has been detected for one or more processors.**

  Severity: Error

  User Action:

  Complete the following steps:

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

- **FQXSFPU0014N: A processor family mismatch has been detected for one or more processors.**

  Severity: Error

  User Action:

  Complete the following steps:

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

- **FQXSFPU0015K: A processor stepping mismatch has been detected for one or more processors.**

  Severity: Error

  User Action:

  Complete the following steps:

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

- **FQXSFPU0016N: A processor within the system has failed the BIST.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. If the processor or firmware was just updated, check the Lenovo Support site for an applicable service bulletin or firmware update that applies to this processor error.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0017G: A processor microcode update failed.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this processor error.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0018N: CATERR(IERR) has asserted on processor [arg1].**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Check Lenovo Support site for an applicable service bulletin or UEFI firmware update that applies to this processor error.
  2. Reboot the system.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0019N: An uncorrectable error has been detected on processor [arg1].**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Check Lenovo Support site for an applicable service bulletin or UEFI firmware update that applies to this error.
  2. Reboot the system.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0020I: The UEFI firmware image capsule signature is invalid.**

  Severity: Info

  User Action:

  Complete the following steps:

  1. Reboot the system. Reflash UEFI image.
  2. If error does not persist no additional recovery action is required.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Warning

  User Action:

  Complete the following steps:

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

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

  Complete the following steps:

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

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

  Severity: Warning

  User Action:

  Complete the following steps:

1. It's a security warning message when user want to boot from an unauthorized UEFI image or OS while Secure Boot is enabled and Secure Boot Mode is in User Mode. If customer does not want to boot any unauthorized UEFI image or OS, remove that bootable device.
2. If customer does want to boot this unauthorized UEFI image or OS, there're two ways to allow system boot from this unauthorized image, the first is to disable Secure Boot, the second is to enroll the unauthorized image into DB(Authorized Signature Database).
   a. Disable Secure Boot: assert Physical Presence and then change Secure Boot Setting to Disable (in F1 Setup -> System Settings -> Security -> Security Boot Configuration -> Security Boot Setting).
   b. Enroll the unauthorized UEFI Image. assert the Physical Presence and then change Secure Boot Policy to Custom Policy (in Setup -> System Settings -> Security -> Security Boot Configuration -> Security Boot Policy), then enter into "Security Boot Custom Policy" Menu, press the "Enroll Efi Image" button, select the unauthorized UEFI Image in the popup box.
   c. NOTE: There're two ways to assert Physical Presence:
      1) Switch Physical Presence Jumper to ON;
      2) If the Physical Presence Policy has been set to enabled (F1 Setup -> System Settings -> Security -> Physical Presence Policy Configuration), user is allowed to assert remote Physical Presence via IPMI tool.)
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0023I: Secure Boot Image Verification Failure has been cleared as no failure in this round boot.**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFPU0024G: Intel UEFI ACM startup failed, make sure TPM is enabled.**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Assert Physical Presence via the Physical Presence Jumper or Remote Physical Presence:
  2. NOTE: There are two methods to assert Physical Presence:
     a. Move the Physical Presence Jumper to the "ON" position.
     b. If the "Physical Presence Policy" has been set to "Enable" in F1 Setup the user is allowed to assert remote Physical Presence via the IPMI tool. The setting can be found in F1 Setup at "System Settings -> Security -> Physical Presence Policy Configuration".
  3. Enable and activate the TPM. The setting can be found in F1 at "System Settings -> Security -> Trusted Platform Module -> TPM2". (The following steps are just one example, please platform help update it)
     a. Change [TPM Device] to "Enable".
     b. Change [TPM State] to "Activate".
  4. Reboot the system.
  5. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0025I: The default system settings have been restored.**

  Severity: Info

  User Action:

Information only; no action is required.

- **FQXSFPU0030N: A firmware fault has been detected in the UEFI image.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this error.
  2. Reflash UEFI image.
  3. Undo recent system changes (settings or devices added). Verify that the system boots. Then, re-install options one at a time to locate the problem.
  4. If problem persists, save customer's UEFI configurations, then remove and re-install CMOS battery for 30 seconds to clear CMOS contents. If it boots successfully, then restore system settings.
  5. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **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.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Original UEFI settings are still present. If customer desires to continue using the original settings, select Save Settings.
  2. If User did not intentionally trigger the reboots, check logs for probable cause. For example, if there is a battery fault event, follow the steps to resolve that event.
  3. Undo recent system changes (settings or devices added). Verify that the system boots. Then, re-install options one at a time to locate the problem.
  4. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this error. Update UEFI firmware if applicable.
  5. Save customer's UEFI configurations, then remove and re-install CMOS battery for 30 seconds to clear CMOS contents. If it boots successfully, then restore system settings.
  6. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0033G: Processor has been disabled.**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Check Lenovo Support site for an applicable service bulletin or UEFI firmware update that applies to this error.
  2. Reboot the system.
  3. If the problem persists, collect Service Data logs.
  4. Contact Lenovo Support.

- **FQXSFPU0034L: The TPM could not be initialized properly.**

  Severity: Error

  User Action:

Complete the following steps:

1. Reboot the system. Reflash UEFI image.
2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU0062F: System uncorrected recoverable error happened in Processor [arg1] Core [arg2] MC bank [arg3] with MC Status [arg4], MC Address [arg5], and MC Misc [arg6].**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Perform a virtual reseat or AC cycle the server.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU4033F: TPM Firmware recovery is in progress. Please DO NOT power off or reset system.**

  Severity: Warning

  User Action:

  Information only; no action is required.

  Note: The system will not respond to power off signal (FQXSFPU4034I) while TPM firmware recovery in progress.

- **FQXSFPU4034I: TPM Firmware recovery is finished, rebooting system to take effect.**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFPU4035M: TPM Firmware recovery failed. TPM chip may be damaged.**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Reboot the system.
  2. If the error recurs TPM related features will not work.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU4038I: TPM Firmware recovery successful.**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFPU4040M: TPM selftest has failed.**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Reboot the system.
  2. If the error recurs TPM related features will not work.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU4041I: TPM Firmware update is in progress. Please DO NOT power off or reset system.**

  Severity: Info

  User Action:

  Information only; no action is required.
- **FQXSFPU4042I: TPM Firmware update is finished, rebooting system to take effect.**

  Severity: Info

  User Action:

  Information only; no action is required.
- **FQXSFPU4043G: TPM Firmware update aborted. System is rebooting...**

  Severity: Warning

  User Action:

  Information only; no action is required.
- **FQXSFPU4044I: The current TPM firmware version could not support TPM version toggling.**

  Severity: Info

  User Action:

  Information only; no action is required.
- **FQXSFPU4045G: Physical Presence is not asserted, abort TPM Firmware upgrade.**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. ASSERT TPM Physical presence jumper by following System Service Manual, ref. https://thinksystem.lenovofiles.com/help/index.jsp navigate to ThinkSystem SR850P Types 7D2F, 7D2G, 7D2H > Hardware replacement procedures > System board replacement > Enable TPM/TCM > Assert Physical Presence.
  2. Boot system into F1 setup, check TPM status make sure TPM is available, and the TPM firmware version support TPM Toggling, ref. https://thinksystem.lenovofiles.com/help/index.jsp navigate to UEFI manual for ThinkSystem server > ThinkSystem server with AMD EPYC (1-socket, 1st, 2nd, 3rd Gen) > System Setup Utility interface > Security menu > TPM Toggling.
  3. Reboot system and retry the TPM FW toggle, ref. https://thinksystem.lenovofiles.com/help/index.jsp navigate to ThinkSystem SR850P Types 7D2F, 7D2G, 7D2H > Hardware replacement procedures > System board replacement>Enable TPM/TCM>Set the TPM version.
  4. If the problem persists, collect Service Data logs and contact Lenovo Support.
- **FQXSFPU4046I: TPM Firmware will be updated from TPM1.2 to TPM2.0.**

  Severity: Info

  User Action:

  Information only; no action is required.
- **FQXSFPU4047I: TPM Firmware will be updated from TPM2.0 to TPM1.2.**

  Severity: Info

  User Action:

Information only; no action is required.

- **FQXSFPU4049I: TPM Firmware update successful.**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFPU4050G: Failed to update TPM Firmware.**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Clear TPM via TPM operation and retry TPM firmware update by following System Service Manual, ref. https://thinksystem.lenovofiles.com/help/index.jsp navigate to ThinkSystem SR850P Types 7D2F, 7D2G, 7D2H > Hardware replacement procedures > System board replacement>Enable TPM/TCM>Set the TPM version.
  2. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU4051G: Undefined TPM_TCM_POLICY found**

  Severity: Warning

  User Action:

  Complete the following steps:

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

- **FQXSFPU4052G: TPM_TCM_POLICY is not locked**

  Severity: Warning

  User Action:

  Complete the following steps:

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

- **FQXSFPU4053G: System TPM_TCM_POLICY does not match the planar.**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Remove any newly added TPM/TCM card from the planar or re-install the original TPM/TCM card that shipped with the system.
  2. Reboot the system.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU4054G: TPM/TCM card logical binding has failed.**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Reboot the system.

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

- **FQXSFPU4056M: TPM/TCM card is changed, need install back the original TCM/TPM card which shipped with the system.**

  Severity: Error

  User Action:

  Complete the following steps:

  1. Re-install the original TCM/TPM card that shipped with the system.
  2. Reboot the system.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFPU4080I: Host Power-On password has been changed.**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFPU4081I: Host Power-On password has been cleared.**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFPU4082I: Host Admin password has been changed.**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFPU4083I: Host Admin password has been cleared.**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFPU4084I: Host boot order has been changed.**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFPU4085I: Host WOL boot order has been changed.**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXSFPW0001L: CMOS has been cleared.**

  Severity: Warning

  User Action:

  Complete the following steps:

1. If the CMOS clear was user initiated this event can be safely ignored and no further action is required.
2. If the system was recently installed, moved, or serviced, make sure the battery is properly seated.
3. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this error.
4. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Warning

  User Action:

  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 and contact Lenovo Support.

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

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Check XCC logs.
  2. Review power policies and system configuration settings in the XCC GUI.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Warning

  User Action:

  Complete the following steps:

  1. AC cycle the system.
  2. Make sure XCC and UEFI FW are operating with same compatible level.
  3. Check Lenovo Support site for an applicable service bulletin or firmware update that applies to this error.
  4. Reflash XCC Firmware.
  5. If the problem persists, collect Service Data logs and contact Lenovo Support.

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

  Severity: Info

  User Action:

  Complete the following steps:

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

- **FQXSFSM0008M: Boot permission timeout detected.**

  Severity: Error

  User Action:

Complete the following steps:

1. Review XCC logs for communication errors and resolve.
2. AC cycle the system.
3. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFSR0001M: [arg1] GPT corruption detected, DiskGUID: [arg2]**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Remove all the external drives during POST to avoid this event to be falsely triggered.
  2. Check the XCC event log, if this event has a follow-up recovery event log, it means that GTP corruption has been recovered successfully, then ignore this event message and do not perform the remaining steps.
  3. Back up the data disk.
  4. Press F1 Setup->SystemSettings->Recovery->Disk GPT Recovery and set to "Automatic."
  5. Save settings and restart the system.
  6. Boot to F1 setup; the system automatically tries to recover the GPT during the POST.
  7. Restart the system.
  8. Re-format the LUN or disks and re-install the OS.
  9. If the problem persists, collect Service Data logs and contact Lenovo Support.

- **FQXSFSR0002I: [arg1] GPT corruption recovered, DiskGUID: [arg2]**

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Remove AC power from the system.
  2. Connect at least one bootable device 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 and contact Lenovo Support.

- **FQXSFTR0001L: An invalid date and time have been detected.**

  Severity: Warning

  User Action:

  Complete the following steps:

  1. Check the XCC event logs. This event should immediately precede an FQXSFPW0001L error. Resolve that event or any other battery related errors.
  2. Use F1 Setup to reset date and time.
  3. If the problem persists, collect Service Data logs and contact Lenovo Support.

Chapter 4. XClarity Provisioning Manager events

The following events can be generated by the Lenovo XClarity Provisioning Manager.

For each event code, the following fields are displayed:

Event identifier
An identifier that uniquely identifies an event.

Event description
The logged message string that appears for an event.

Explanation
Provides additional information to explain why the event occurred.

Severity
An indication of the level of concern for the condition. The severity is abbreviated in the event log to the first character. The following severities can be displayed:

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

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

LXPM events organized by severity

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

Table 4. Events organized by severity

Event ID	Message String	Severity
FQXPMCL0005I	Start to install OS.	Informational
FQXPMCL0031I	Export raid config successfully.	Informational
FQXPMCL0033I	Import raid config successfully.	Informational
FQXPMCL0035I	Export uefi settings successfully.	Informational
FQXPMCL0037I	Import uefi settings successfully.	Informational
FQXPMCL0039I	Export bmc settings successfully.	Informational
FQXPMCL0041I	Import bmc settings successfully.	Informational
FQXPMEM0002I	LXPM firmware image found. Starting LXPM	Informational
FQXPMEM0003I	LXPM has exited. Control returned to UEFI	Informational

Table 4. Events organized by severity (continued)

Event ID	Message String	Severity
FQXPMEM0004I	Launching diagnostic program	Informational
FQXPMEM0005I	boot diagnostic program success	Informational
FQXPMNM0002I	Set BMC network parameters to new values.	Informational
FQXPMOS0010I	Red Hat RHEL 7.3 (64-bit) OS installed	Informational
FQXPMOS0011I	Red Hat RHEL 6.9 (64-bit) OS installed	Informational
FQXPMOS0012I	SLES 12 for AMD64 and Intel64 Service Pack 2 OS installed	Informational
FQXPMOS0013I	SLES 11 for AMD64 and Intel64 Service Pack 4 OS installed	Informational
FQXPMOS0014I	Windows Server 2012 R2 SERVERWINFOUNDATION OS installed	Informational
FQXPMOS0015I	Windows Server 2012 R2 SERVERSTANDARD OS installed	Informational
FQXPMOS0016I	Windows Server 2012 R2 SERVERDATACENTER OS installed	Informational
FQXPMOS0017I	Windows Server 2012 R2 SERVERSOLUTION OS installed	Informational
FQXPMOS0018I	Windows Server 2012 R2 SERVERSTORAGESTANDARD OS installed	Informational
FQXPMOS0019I	Hyper-V Server 2012 R2 SERVERHYPERCORE OS installed	Informational
FQXPMOS0020I	Hyper-V Server 2016 SERVERHYPERCORE OS installed	Informational
FQXPMOS0021I	Windows Server 2016 SERVERSOLUTION OS installed	Informational
FQXPMOS0022I	Windows Server 2016 SERVERSTANDARD OS installed	Informational
FQXPMOS0023I	Windows Server 2016 SERVERDATACENTER OS installed	Informational
FQXPMOS0024I	Windows Server 2016 SERVERSTORAGESTANDARD OS installed	Informational
FQXPMOS0025I	Windows Server 2016 SERVERSTORAGEWORKGROUP OS installed	Informational
FQXPMOS0026I	Vmware ESXi 6.5 U1 OS installed	Informational
FQXPMOS0027I	Vmware ESXi 6.0 U3 OS installed	Informational
FQXPMSR0012I	Change disk drives' state successfully.	Informational
FQXPMSR0022I	Create new virtual disk successfully.	Informational
FQXPMSR0032I	Removed existing virtual disk successfully.	Informational
FQXPMUP0101I	Start to update LXPM	Informational
FQXPMUP0102I	Start to update window driver	Informational
FQXPMUP0103I	Start to update linux driver	Informational
FQXPMUP0104I	Start to update UEFI	Informational
FQXPMUP0105I	Start to update BMC	Informational
FQXPMUP0106I	Successfully updated the firmware	Informational
FQXPMVD0003I	Update VPD data successfully.	Informational
FQXPMCL0001K	Bootx64.efi is not found. Failed to Boot OS.	Warning
FQXPMCL0002K	Failed to read Deployment Manager Signature from USB.	Warning
FQXPMCL0003K	BMC communication failed: DRIVER Mount Failure.	Warning
FQXPMCL0004K	BMC communication succeeded. Volume Name MISMATCHED.	Warning

Table 4. Events organized by severity (continued)

Event ID	Message String	Severity
FQXPMCL0005K	Current System Boot Mode is Legacy. OS Clone only support UEFI Mode.	Warning
FQXPMCL0030K	Failed to export raid config.	Warning
FQXPMCL0032K	Failed to import raid config.	Warning
FQXPMCL0034K	Failed to export uefi settings.	Warning
FQXPMCL0036K	Failed to import uefi settings.	Warning
FQXPMCL0038K	Failed to export bmc settings.	Warning
FQXPMCL0040K	Failed import bmc settings.	Warning
FQXPMNM0001G	Failed to set new BMC network parameters.	Warning
FQXPMOS0001K	Bootx64.efi is not found. Failed to Boot OS.	Warning
FQXPMOS0002K	Failed to read Deployment Manager Signature from USB.	Warning
FQXPMOS0003K	Failed to copy Windows boot files to target	Warning
FQXPMOS0004K	BMC Communication Failed: EMMC2USB Mount Failure.	Warning
FQXPMOS0005K	BMC communication failed: DRIVER Mount Failure.	Warning
FQXPMOS0006K	BMC communication succeeded. Volume Name MISMATCHED.	Warning
FQXPMOS0007K	Failed to read License RTF file.	Warning
FQXPMOS0008K	Make sure the Ethernet cable has been plugged into your computer and your network settings are correct.	Warning
FQXPMOS0009K	Current System Boot Mode is Legacy. LXPM OS installation only support UEFI Mode.	Warning
FQXPMRS0011K	Failed to change disk drives' state.	Warning
FQXPMSR0001K	Found unsupported RAID adapter.	Warning
FQXPMSR0021L	Failed to create new virtual disk.	Warning
FQXPMSR0031L	Failed to remove existing virtual disk	Warning
FQXPMUP0001K	The system configuration does not meet the prerequisite	Warning
FQXPMUP0002K	The selected packages are not compatible	Warning
FQXPMUP0003K	Unable to obtain the minimum level of UEFI	Warning
FQXPMUP0004K	Unable to obtain the installed version of UEFI	Warning
FQXPMUP0005K	Unable to obtain the installed version of BMC	Warning
FQXPMUP0006K	Unable to obtain the installed version of LXPM	Warning
FQXPMUP0007K	Unable to obtain the installed version of linux driver	Warning
FQXPMUP0008K	Unable to obtain the installed version of windows driver	Warning
FQXPMVD0001H	Failed to get VPD data.	Warning
FQXPMVD0002H	Failed to update the VPD data.	Warning
FQXPMVD0011K	Failed to get the TPM/TPM card/TCM policy status	Warning

Table 4. Events organized by severity (continued)

Event ID	Message String	Severity
FQXPMVD0012K	Failed to set the TPM/TPM card/TCM policy	Warning
FQXPMEM0001M	Unable to locate LXPM firmware image	Error
FQXPMEM0006M	Unable to locate diagnostic firmware image	Error
FQXPMEM0007M	Diagnostic image cannot be launched as "Console Redirection" is enabled	Error
FQXPMEM0008M	Diagnostic image cannot be launched as the image may be corrupt	Error
FQXPMEM0009M	Unexpected error occur	Error
FQXPMSD0001M	HDD Test was interrupted by the host with a hardware or software reset	Error
FQXPMSD0002M	A fatal error or unknown test error occurred while the device was executing its self-test	Error
FQXPMSD0003M	self-test completed having a test element that failed and the test element that failed is not known.	Error
FQXPMSD0004M	self-test completed having the electrical element of the test failed.	Error
FQXPMSD0005M	self-test completed having the servo (and/or seek) test element of the test failed.	Error
FQXPMSD0006M	self-test completed having the read element of the test failed.	Error
FQXPMSD0007M	Hard Drive(s) not found	Error
FQXPMSD0008M	UEFI is not ready for LXPM to send command to test hard drive.	Error
FQXPMSD0009M	Device error detected when LXPM sent a test command to a hard drive.	Error
FQXPMSD0010M	UEFI timed out when LXPM sent a test command to a hard drive.	Error
FQXPMSD0011M	The hard drive is not supported by uEFI while LXPM send command to test hard drive.	Error
FQXPMUP0201M	BMC communication failed: EMMC2USB mount failure. Failed to update the firmware	Error
FQXPMUP0202M	Transfer the update package error. Failed to update the firmware	Error
FQXPMUP0203M	BMC communication failed: EMMC2USB unmount failure. Failed to update the firmware	Error
FQXPMUP0204M	BMC communication failed: Execute the update cmd failure. Failed to update the firmware	Error
FQXPMUP0205M	BMC communication failed: Get the update status failure.Failed to update the firmware	Error
FQXPMUP0206M	The level of the update package is too old. Failed to update the firmware.	Error
FQXPMUP0207M	The update package is invalid. Failed to update the firmware.	Error
FQXPMUP0208M	Failed to execute reboot BMC command	Error

List of XClarity Provisioning Manager events

This section lists all messages that can be sent from the Lenovo XClarity Provisioning Manager.

- **FQXPMCL0001K: Bootx64.efi is not found. Failed to Boot OS.**

  Severity: Warning

  User Action:

  1. Restart BMC via supported method and reboot the system.
  2. If the problem persists, reflash BMC firmware.
  3. Reboot system and retry OS booting.
  4. Perform AC reset or virtual 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, contact technical support.

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

  Severity: Warning

  User Action:

  1. Ensure proper operation of the virtual USB connection.
  2. Restart BMC via BMC setting under uEFI setup on LXPM left panel. Restart BMC via supported method and reboot the system.
  3. Reflash BMC firmware.
  4. Clone the image over and retry the operation.
  5. Perform AC reset or virtual 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, contact technical support.

- **FQXPMCL0003K: BMC communication failed: DRIVER Mount Failure.**

  Severity: Warning

  User Action:

  1. Ensure proper operation of the virtual USB connection.
  2. Restart BMC via supported method and reboot the system.
  3. Reflash BMC firmware.
  4. Clone the image over and retry the operation.
  5. Perform AC reset or virtual 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, contact technical support.

- **FQXPMCL0004K: BMC communication succeeded. Volume Name MISMATCHED.**

  Severity: Warning

  User Action:

  1. Restart BMC via supported method and reboot the system.
  2. Reflash BMC firmware.

3. Clone the image over and retry the operation.
4. Perform AC reset or virtual 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, contact technical support.

- **FQXPMCL0005I: Start to install OS.**

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

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

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

  Severity: Warning

  User Action:

  1. Check the following Lenovo support site for information on supported RAID adapters. http://www.lenovo.com/us/en/serverproven/index.shtml
  2. Ensure RAID adapter, LXPM, and UEFI firmware are at the latest levels.
  3. Ensure the state of the RAID adapter and disk drives are normal.
  4. Verify proper physical connection of the disk drive, SAS expander (if applicable) and RAID adapter.
  5. Reboot the machine and retry the export of the RAID configuration.
  6. If the problem persists, contact technical support.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

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

6. Reboot the machine and retry the import of the RAID configuration.
7. If the problem persists, contact technical support.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

  1. Ensure proper connection to USB/network drive and retry to export uEFI setting.
  2. Reboot and try the uEFI setting export again.
  3. Reflash UEFI firmware.
  4. If the problem persists, contact technical support.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

  1. Ensure proper connection to USB/network drive and retry the uEFI setting import.
  2. Ensure that same system model type to import the uEFI setting and UEFI version should be the same.
  3. Reboot and try to import a new clone of the UEFI settings.
  4. Reflash UEFI firmware.
  5. If the problem persists, contact technical support.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

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

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

3. Retry the export of BMC setting.
4. If the problem persists, contact technical support.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

  1. Ensure BMC version is the same between source and target.
  2. Restart BMC via supported method and reboot the system.
  3. Perform AC reset or virtual 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, contact technical support.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Error

  User Action:

  1. Restart BMC via supported method and reboot the system.
  2. Reflash the LXPM.
  3. Perform AC reset or virtual 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, contact technical support.

- **FQXPMEM0002I: LXPM firmware image found. Starting LXPM**

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

Information only; no action is required.

- **FQXPMEM0004I: Launching diagnostic program**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXPMEM0005I: boot diagnostic program success**

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Error

  User Action:

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

- **FQXPMEM0007M: Diagnostic image cannot be launched as "Console Redirection" is enabled**

  Severity: Error

  User Action:

  1. Disable “Configure Console Redirection” in UEFI Setup by following below steps: - Go to F1 Setup -> System Settings -> Devices and I/O Ports-> Console Redirection Settings -> - Select "Console Redirection" - Change the setting to “Disable” and save - Next reboot the system.
  2. Perform AC reset or virtual 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, contact technical support.

- **FQXPMEM0008M: Diagnostic image cannot be launched as the image may be corrupt**

  Severity: Error

  User Action:

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

- **FQXPMEM0009M: Unexpected error occur**

Severity: Error

User Action:

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

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

  Severity: Warning

  User Action:

  1. Ensure input parameters are valid.
  2. Wait for one minute and retry the setting.
  3. Restart BMC via supported method and reboot the system.
  4. Retry the setting change.
  5. Use UEFI setup to change parameters (optional).

- **FQXPMNM0002I: Set BMC network parameters to new values.**

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

  1. Restart BMC via supported method and reboot the system.
  2. Reflash BMC firmware.
  3. Reboot system and retry OS booting.
  4. Perform AC reset or virtual 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, contact technical support.

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

  Severity: Warning

  User Action:

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

5. If the problem persists, perform AC reset or virtual 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, contact technical support.

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

  Severity: Warning

  User Action:

  1. Ensure proper operation of the virtual USB connection.
  2. Restart BMC via supported method and reboot the system.
  3. Reflash BMC firmware.
  4. Retry OS deployment.
  5. Perform AC reset or virtual 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, contact technical support.

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

  Severity: Warning

  User Action:

  1. Ensure proper operation of the virtual USB connection.
  2. Restart BMC via supported method and reboot the system.
  3. Reflash BMC firmware.
  4. Retry OS deployment.
  5. Perform AC reset or virtual 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, contact technical support.

- **FQXPMOS0005K: BMC communication failed: DRIVER Mount Failure.**

  Severity: Warning

  User Action:

  1. Ensure proper operation of the virtual USB connection.
  2. Restart BMC via supported method and reboot the system.
  3. Reflash BMC firmware.
  4. Retry OS deployment.
  5. Perform AC reset or virtual 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, contact technical support.

- **FQXPMOS0006K: BMC communication succeeded. Volume Name MISMATCHED.**

Severity: Warning

User Action:

1. Restart BMC via supported method and reboot the system.
2. If the problem persists, reflash BMC firmware.
3. Retry OS deployment.
4. Perform AC reset or virtual 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, contact technical support.

- **FQXPMOS0007K: Failed to read License RTF file.**

  Severity: Warning

  User Action:

  1. Restart BMC via supported method and reboot the system.
  2. If the problem persists, reflash BMC firmware.
  3. Use another OS media (USB DVD or USB key).
  4. Retry OS deployment.
  5. Perform AC reset or virtual 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, contact technical support.

- **FQXPMOS0008K: Make sure the Ethernet cable has been plugged into your computer and your network settings are correct.**

  Severity: Warning

  User Action:

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

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

  Severity: Warning

  User Action:

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

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

  Severity: Info

  User Action:

Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

Severity: Info

User Action:

Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

Information only; no action is required.

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

  Severity: Warning

  User Action:

  1. Ensure LXPM and RAID adapter firmware are at the latest levels.
  2. Ensure the state of the RAID adapter and disk drives are both 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, contact technical support.

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

  Severity: Error

  User Action:

  1. Remove A/C from the server and 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, contact technical support.

- **FQXPMSD0002M: A fatal error or unknown test error occurred while the device was executing its self-test**

  Severity: Error

  User Action:

  1. Remove A/C from the server and 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, contact technical support.

- **FQXPMSD0003M: self-test completed having a test element that failed and the test element that failed is not known.**

  Severity: Error

  User Action:

  1. Remove A/C from the server and 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, contact technical support.

- **FQXPMSD0004M: self-test completed having the electrical element of the test failed.**

  Severity: Error

User Action:

1. Remove A/C from the server and 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, contact technical support.

- **FQXPMSD0005M: self-test completed having the servo (and/or seek) test element of the test failed.**

  Severity: Error

  User Action:

  1. Remove A/C from the server and 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, contact technical support.

- **FQXPMSD0006M: self-test completed having the read element of the test failed.**

  Severity: Error

  User Action:

  1. Remove A/C from the server and 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, contact technical support.

- **FQXPMSD0007M: Hard Drive(s) not found**

  Severity: Error

  User Action:

  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, contact technical support.

- **FQXPMSD0008M: UEFI is not ready for LXPM to send command to test hard drive.**

  Severity: Error

  User Action:

  1. Reboot system and run the test again.
  2. If this message is still reported, run the latest version of SMART tool on OS which is open source tool and could be downloaded from website to check hard drive status.
  3. If the problem persists, contact technical support.

- **FQXPMSD0009M: Device error detected when LXPM sent a test command to a hard drive.**

Severity: Error

User Action:

1. Do one of the following:
   - If the affected drive(s) are detected by the system, update the disk drive firmware and reboot the server.
   - If the affected drive(s) are not detected by the system or failing to respond:
     a. Power off the server and remove A/C power.
     b. Reseat the associated RAID controller, SAS cables, backplane and drive(s).
     c. Restore system power and reboot the server.
2. Re-run the disk drive test from LXPM. For details, see the LXPM documentation at: https://sysmgt.lenovofiles.com/help/topic/lxpm_frontend/lxpm_product_page.html Click on the LXPM version for your server model, and choose Using LXPM -> Diagnostics -> Running diagnostics from the left navigation tree.
3. If the problem persists, save the test result to a test_hdd.txt file using a local USB storage device or a shared network folder.
4. Contact technical support for a drive replacement.

- **FQXPMSD0010M: UEFI timed out when LXPM sent a test command to a hard drive.**

  Severity: Error

  User Action:

  1. Do one of the following:
     - If the affected drive(s) are detected by the system, update the disk drive firmware and reboot the server.
     - If the affected drive(s) are not detected by the system or failing to respond:
       a. Power off the server and remove A/C power.
       b. Reseat the associated RAID controller, SAS cables, backplane and drive(s).
       c. Restore system power and reboot the server.
  2. Run the disk drive test from LXPM. For details, see the LXPM documentation at: https://sysmgt.lenovofiles.com/help/topic/lxpm_frontend/lxpm_product_page.html Click on the LXPM version for your server model, and choose Using LXPM -> Diagnostics -> Running diagnostics from the left navigation tree.
  3. If the problem persists, save the test result to a test_hdd.txt file using a local USB storage device or a shared network folder.
  4. Contact technical support for a drive replacement.

- **FQXPMSD0011M: The hard drive is not supported by uEFI while LXPM send command to test hard drive.**

  Severity: Error

  User Action:

  1. check hard drive specification to see if the hard drive support ATA self-test feature.
  2. If the problem persists, contact technical support.

- **FQXPMSR0001K: Found unsupported RAID adapter.**

  Severity: Warning

User Action:

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

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

  1. Ensure LXPM and RAID adapter firmware are at the latest levels.
  2. Ensure the state of RAID adapter and disk drives are both 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, contact technical support.

- **FQXPMSR0022I: Create new virtual disk successfully.**

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

  1. Ensure LXPM and RAID adapter firmware are at the latest levels.
  2. Ensure the state of RAID adapter and disk drives are both 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, contact technical support.

- **FQXPMSR0032I: Removed existing virtual disk successfully.**

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

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

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

  Severity: Warning

  User Action:

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

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

  Severity: Warning

  User Action:

  1. Restart BMC via supported method and reboot the system.
  2. Reflash BMC firmware.
  3. Perform AC reset or virtual 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, contact technical support.

- **FQXPMUP0004K: Unable to obtain the installed version of UEFI**

  Severity: Warning

  User Action:

  1. Restart BMC via supported method and reboot the system.
  2. Reflash BMC firmware.
  3. Perform AC reset or virtual 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, contact technical support.

- **FQXPMUP0005K: Unable to obtain the installed version of BMC**

  Severity: Warning

  User Action:

  1. Restart BMC via supported method and reboot the system.
  2. Reflash BMC firmware.
  3. Perform AC reset or virtual 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, contact technical support.

- **FQXPMUP0006K: Unable to obtain the installed version of LXPM**

  Severity: Warning

  User Action:

1. Restart BMC via supported method and reboot the system.
2. Reflash BMC firmware.
3. Perform AC reset or virtual 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, contact technical support.

- **FQXPMUP0007K: Unable to obtain the installed version of linux driver**

  Severity: Warning

  User Action:

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

- **FQXPMUP0008K: Unable to obtain the installed version of windows driver**

  Severity: Warning

  User Action:

  1. Restart BMC via supported method and reboot the system.
  2. Reflash BMC firmware.
  3. Perform AC reset or virtual 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, contact technical support.

- **FQXPMUP0101I: Start to update LXPM**

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXPMUP0104I: Start to update UEFI**

Severity: Info

User Action:

Information only; no action is required.

- **FQXPMUP0105I: Start to update BMC**

  Severity: Info

  User Action:

  Information only; no action is required.

- **FQXPMUP0106I: Successfully updated the firmware**

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Error

  User Action:

  1. Restart BMC via supported method and BMC setting via uEFI setup or "Restart Management Controller" in BMC web UI. Then, reboot the system.
  2. If the problem persists, reflash the BMC firmware.
  3. If the problem persists, perform AC reset or virtual 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, contact technical support.

- **FQXPMUP0202M: Transfer the update package error. Failed to update the firmware**

  Severity: Error

  User Action:

  1. Ensure the update package is not corrupt undamaged and then retry the update.
  2. Ensure proper connection to USB/network drive and retry the update.
  3. Restart BMC via supported method and BMC setting via uEFI setup or "Restart Management Controller" in BMC web UI. Then, reboot the system.
  4. If the problem persists, reflash the BMC firmware.
  5. If the problem persists, perform AC reset or virtual 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, contact technical support.

- **FQXPMUP0203M: BMC communication failed: EMMC2USB unmount failure. Failed to update the firmware**

  Severity: Error

  User Action:

  1. Restart BMC via supported method and reboot the system.
  2. Reflash the BMC firmware
  3. If the problem persists, perform AC reset or virtual 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, contact technical support.

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

  Severity: Error

  User Action:

  1. Restart BMC via supported method.
  2. Reflash BMC firmware.
  3. Perform AC reset or virtual 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, contact technical support.

- **FQXPMUP0205M: BMC communication failed: Get the update status failure.Failed to update the firmware**

  Severity: Error

  User Action:

  1. Restart BMC via supported method and reboot the system.
  2. Reflash BMC firmware.
  3. Perform AC reset or virtual 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, contact technical support.

- **FQXPMUP0206M: The level of the update package is too old. Failed to update the firmware.**

  Severity: Error

  User Action:

1. Follow prompts to select a newer version of the update package and retry the update.
2. Restart BMC via supported method and reboot the system.
3. Perform AC reset or virtual 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, contact technical support.

- **FQXPMUP0207M: The update package is invalid. Failed to update the firmware.**

  Severity: Error

  User Action:

  1. Ensure the update package is not corrupt and retry the update.
  2. Ensure proper connection to USB/network drive and retry the update.
  3. Restart BMC via supported method and BMC setting via uEFI setup or "Restart Management Controller" in BMC web UI. Then, reboot the system.
  4. Reflash the BMC firmware.
  5. Perform AC reset or virtual 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, contact technical support.

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

  Severity: Error

  User Action:

  1. Restart BMC via supported method and reboot the system.
  2. Reflash BMC firmware.
  3. If the problem persists, perform AC reset or virtual 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, contact technical support.

- **FQXPMVD0001H: Failed to get VPD data.**

  Severity: Warning

  User Action:

  1. Press "Back" button and press "Update VPD..." button again.
  2. Perform AC reset or virtual 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, contact technical support.

- **FQXPMVD0002H: Failed to update the VPD data.**

  Severity: Warning

  User Action:

  1. Press "Update" button on VPD update page.
  2. Perform AC reset or virtual 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, contact technical support.

- **FQXPMVD0003I: Update VPD data successfully.**

  Severity: Info

  User Action:

  Information only; no action is required.

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

  Severity: Warning

  User Action:

  1. Press "Back" button and press "Update VPD..." button again.
  2. Perform AC reset or virtual 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, contact technical support.

- **FQXPMVD0012K: Failed to set the TPM/TPM card/TCM policy**

  Severity: Warning

  User Action:

  1. Press "Apply" button on VPD update page.
  2. Reboot the system if step 1 failed.
  3. If the problem persists, contact technical support.

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 Lenovo product documentation also describes the diagnostic tests that you can perform. The documentation for most systems, operating systems, and programs contains troubleshooting procedures and explanations of error messages and error codes. If you suspect a software problem, see the documentation for the operating system or program.

You can find the product documentation for your ThinkSystem products at the following location:

http://thinksystem.lenovofiles.com/help/index.jsp

You can take these steps to try to solve the problem yourself:

- Check all cables to make sure that they are connected.
- Check the power switches to make sure that the system and any optional devices are turned on.
- Check for updated software, firmware, and operating-system device drivers for your Lenovo product. The Lenovo Warranty terms and conditions state that you, the owner of the Lenovo product, are responsible for maintaining and updating all software and firmware for the product (unless it is covered by an additional maintenance contract). Your service technician will request that you upgrade your software and firmware if the problem has a documented solution within a software upgrade.
- If you have installed new hardware or software in your environment, check https://serverproven.lenovo.com/server/se350 to make sure that the hardware and software is supported by your product.
- Go to http://datacentersupport.lenovo.com and check for information to help you solve the problem.
  - Check the Lenovo forums at https://forums.lenovo.com/t5/Datacenter-Systems/ct-p/sv_eg to see if someone else has encountered a similar problem.

You can solve many problems without outside assistance by following the troubleshooting procedures that Lenovo provides in the online help or in the Lenovo product documentation. The Lenovo product documentation also describes the diagnostic tests that you can perform. The documentation for most systems, operating systems, and programs contains troubleshooting procedures and explanations of error

messages and error codes. If you suspect a software problem, see the documentation for the operating system or program.

Gathering information needed to call Support

If you believe that you require warranty service for your Lenovo product, the service technicians will be able to assist you more efficiently if you prepare before you call. You can also see http://datacentersupport.lenovo.com/warrantylookup for more information about your product warranty.

Gather the following information to provide to the service technician. This data will help the service technician quickly provide a solution to your problem and ensure that you receive the level of service for which you might have contracted.

- Hardware and Software Maintenance agreement contract numbers, if applicable
- Machine type number (Lenovo 4-digit machine identifier)
- Model number
- Serial number
- Current system UEFI and firmware levels
- Other pertinent information such as error messages and logs

As an alternative to calling Lenovo Support, you can go to https://support.lenovo.com/servicerequest to submit an Electronic Service Request. Submitting an Electronic Service Request will start the process of determining a solution to your problem by making the pertinent information available to the service technicians. The Lenovo service technicians can start working on your solution as soon as you have completed and submitted an Electronic Service Request.

Collecting service data

To clearly identify the root cause of a server issue or at the request of Lenovo Support, you might need collect service data that can be used for further analysis. Service data includes information such as event logs and hardware inventory.

Service data can be collected through the following tools:

- **Lenovo XClarity Provisioning Manager**

  Use the Collect Service Data function of Lenovo XClarity Provisioning Manager to collect system service data. You can collect existing system log data or run a new diagnostic to collect new data.

- **Lenovo XClarity Controller**

  You can use the Lenovo XClarity Controller web interface or the CLI to collect service data for the server. The file can be saved and sent to Lenovo Support.

  - For more information about using the web interface to collect service data, see the “Downloading service data” section in the XCC documentation version compatible with your server at https://sysmgt.lenovofiles.com/help/topic/lxcc_frontend/lxcc_overview.html.
  - For more information about using the CLI to collect service data, see the “ffdc command” section in the XCC documentation version compatible with your server at https://sysmgt.lenovofiles.com/help/topic/lxcc_frontend/lxcc_overview.html.

- **Lenovo XClarity Administrator**

  Lenovo XClarity Administrator can be set up to collect and send diagnostic files automatically to Lenovo Support when certain serviceable events occur in Lenovo XClarity Administrator and the managed endpoints. You can choose to send diagnostic files to Lenovo Support using Call Home or to another

service provider using SFTP. You can also manually collect diagnostic files, open a problem record, and send diagnostic files to the Lenovo Support Center.

You can find more information about setting up automatic problem notification within the Lenovo XClarity Administrator at http://sysmgt.lenovofiles.com/help/topic/com.lenovo.lxca.doc/admin_setupcallhome.html.

- **Lenovo XClarity Essentials OneCLI**

  Lenovo XClarity Essentials OneCLI has inventory application to collect service data. It can run both in-band and out-of-band. When running in-band within the host operating system on the server, OneCLI can collect information about the operating system, such as the operating system event log, in addition to the hardware service data.

  To obtain service data, you can run the `getinfor` command. For more information about running the `getinfor`, see http://sysmgt.lenovofiles.com/help/topic/toolsctr_cli_lenovo/onecli_r_getinfor_command.html.

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.

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Lenovo

Part Number: SP47A46607

Printed in China

(1P) P/N: SP47A46607