

# Mi300x Fault Dictionary

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## Context

ILOM (Integrated Lights Out Manager) is a purpose built hardware that helps us keep tabs on Hardware health. ILOM keeps logs on Open Problems present on the hardware. These Open Problems are internally used by us in doing triage, repair and maintenance of the hardware. With Hardware Fault Event feature, Customers are now able to receive these fault details for their hardware. Below we have tabulated the ILOM Open Problems (faults, alerts and defects), with detailed description on each. The severity is assigned by due diligence of the hardware teams.



Note:

- These lists are based on common understanding and analysis of multiple OCI teams for a particular platform; the understanding and hence the contents of these lists may change in due course of time.
- Fault ID in the table below will be called as "fmaMessageID" in "com.oraclecloud.heardwarefault.ilomfault" type events received by Customers when the Hardware Fault event feature is enabled.

## Critical and Major severity Hardware Faults from ILOM

	Fault ID	Name	Description	Severity
1	SPENV-8002-6K	alert.chassis.config.gbb.missing	ILOM has detected that a board is missing. Unable to Power On. The board is unavailable.	Critical
2	SPENV-8002-7F	alert.chassis.config.gpu.missing	GPU is missing.. Unable to Power On. System will not power on.	Critical
3	SPENV-8002-F0	alert.chassis.config.retimer.missing	Retimer card is missing. Unable to Power On. System will not power on.	Critical
4	SPENV-8001-A0	defect.chassis.spi.firmware.corrupt	The firmware on the Serial Peripheral Interface (SPI) flash has been corrupted. Reprovision Required. The system is unable to power-on.	Critical
5	SPENV-8002-H7	fault.memory.dimm.pmic-output-voltage-out-of-range	DDR5 PMIC Output voltage out of range. The host will reset. The system will be allowed to boot, but system performance may be impacted as the affected DIMMs are unavailable for use.	Critical
6	SPENV-8002-2U	fault.memory.dimm.pmic-overtemperature	The Power Management Integrated Circuit (PMIC) on a DDR5 DIMM has experienced an overtemperature failure. The host will reset. The system will panic and reset. The system will be allowed to boot, but system performance may be impacted.	Critical
7	SPENV-8002-0M	fault.memory.dimm.pmic-input-overvoltage	The Power Management Integrated Circuit (PMIC) on a DDR5 DIMM has detected an input overvoltage failure. ILOM is running, Host won't start. The system will be powered down immediately and the system will not be allowed to boot until the fault is cleared.	Critical
8	ISTOR-8000-2A	fault.io.disk.self-test-failure	A Disk Self-Test Failure has occurred. Reduced Storage OR Network Performance. The disk has failed self tests. Likely boot time only but if a bus is reset it will run a small amount of selftests ... but we don't know the criteria for this event.	Critical
9	ISTOR-8000-4D	fault.io.scsi.cmd.disk.dev.rqs.merr	ILOM fault manager has applied diagnosis to error reports indicating a non-recoverable media error was detected by the device. Reduced Storage OR Network Performance. The service may have been lost or degraded. It is likely that continued operation will result in data corruption which may eventually cause the loss of service or the service degradation.	Critical
10	ISTOR-8000-5H	fault.io.scsi.cmd.disk.dev.rqs.baddrv	Indicates a non-recoverable drive failure was detected by the device while performing a command. Reduced Storage OR Network Performance. The service may have been lost or degraded. It is likely that continued operation will result in data corruption which may eventually cause the loss of service or the service degradation.	Critical
11	ISTOR-8000-63	fault.io.scsi.disk.tran.unstable.leaf	ILOM diagnosis indicates a path to the disk device has been unconfigured due to transport instability. Reduced Storage OR Network Performance. The I/O path to this device may have been lost or degraded.	Critical

12	ISTOR-8000-7Y	fault.io.disk.spare-space-exhausted	SMART health-monitoring firmware on the drive has detected the available spare space on disk device has been exhausted. Reduced Storage OR Network Performance. The disk has reached it's end of life. Continued use of this disk will result in severe performance degradation. Risk of data loss or data corruption is imminent or is already occurring.	Critical
13	ISTOR-8000-DX	fault.io.device.temperature-high-critical	The on-die temperature of the device controller has exceeded the critical limit established by the manufacturer. Reduced Storage OR Network Performance. The system will continue to operate however system performance may be impacted as the device will not be in use. The firmware on device will check the temperature at boot up and will abort the boot unless temperature is below critical limit.	Critical
14	SPGX-8000-13	alert.chassis.config.oam.missing	Indicates that the OAM has not been detected or is missing during the initialization process.. Unable to Power On. The host will not power on. The OAM will need to be resealed or a new one installed.	Critical
15	SPGX-8000-2H	alert.chassis.config.oam.unsupported	ILOM has determined that OAMs have not been properly populated.. Unable to Power On. Properly install the OCP Accelerator Modules. The result of GPU swapping during troubleshooting.	Critical
16	SPGX-8000-ER	fault.chassis.gx.rom.corruption	ILOM has detected a corrupted ROM on a GPU. Unable to Power On. The host will not power on.	Critical
17	SPGX-8000-GQ	fault.gpu.mem.ecc-uncontained	A uncorrectable ECC error in DRAM has occurred. The host will reset. Restart the applications that have stopped.	Critical
18	SPGX-8000-HD	fault.gpu.mem.ecc-uncorrectable	An uncorrectable ECC error in SRAM has occurred. Unable to Power On. The host has powered off.	Critical
19	SPGXT AIL-8000-2F	alert.chassis.gx.gbb.unknown	Indicates that the GPU Base Board has an unknown manufacturer or model number. Unable to Power On. All of the OAMs are unavailable for use.	Critical
20	SPGXT AIL-8000-1W	alert.chassis.config.fan.capacity-deficient	Fan Capacity is Deficient. Reduced CPU some cores may be disabled. May Auto-Clear	Critical
21	SPGXT AIL-8000-48	alert.chassis.power.supplies-deficient	Power Supplies is Deficient. Reduced Storage OR Network Performance. May Auto-Clear	Critical
22	SPGXT AIL-8000-5M	defect.chassis.gx.gbb.fw.boot-failed	indicates that firmware on the GBB has failed to boot. Unable to Power On. All of the OAMs are unavailable for use.	Critical
23	SPGXT AIL-8000-67	defect.chassis.gx.gbb.fw.update-failed	Indicates that firmware on the GBB was not updated. Reprovision Required. The system will use the currently installed firmware.	Critical
24	SPGXT AIL-8000-7U	defect.chassis.gx.gbb.fw.validation-failed	Indicates that firmware on the GBB could not be validated. Unable to Power On. All of the OAMs are unavailable for use.	Critical
25	SPGXT AIL-8000-8L	fault.chassis.gx.gbb.device.health-critical	Indicates that the GBB health is at a critical level.. Unable to Power On. All of the OAMs are unavailable for use.	Critical
26	SPGXT AIL-8000-9G	fault.chassis.gx.gbb.fpga-failed	Indicates a failure on the GBB FPGA. Unable to Power On. The board is unavailable.	Critical
27	SPGXT AIL-8000-C0	fault.chassis.gx.gbb.spi-bus-failed	Indicates that the SPI bus on the GPU Base Board (GBB) has failed. Unable to Power On. All of the OAMs are unavailable for use.	Critical
28	SPGXT AIL-8000-DT	fault.chassis.gx.pcie.crc-error	PCIE CRC error was encountered on an nvswitch. Unable to Power On. The host will not power on.	Critical
29	SPGXT AIL-8000-E6	fault.chassis.gx.pcie.ioh-reset-assert	Problem with the IOB has caused a PCIE reset failure. Reduced CPU, some cores may be disabled. All downstream devices will be unavailable.	Critical
30	SPGXT AIL-8000-FN	fault.chassis.gx.pcie.switch-failure	PCIE switch has failed. Unable to Power On. All downstream devices will be unavailable.	Critical
31	SPGXT AIL-8000-HK	fault.chassis.gx.pcie.training-error	Indicates that a PCIe training error on a NVSwitch has occurred. Reduced CPU, some cores may be disabled. All downstream devices will be unavailable.	Critical
32	SPGXT AIL-8000-JF	fault.chassis.gx.pcie.uncorrectable-error	PCIE uncorrectable error. Reduced CPU, some cores may be disabled. All downstream devices will be unavailable.	Critical

33	SPGXT AIL- 8000- KW	fault.chassis.gx. pcie.upstream- reset-assert	Problem in an upstream device has caused a PCIe reset failure. Reduced CPU, some cores may be disabled. All downstream devices will be unavailable.	Critical
34	SPGXT AIL- 8000-L1	fault.chassis.gx. pdb.p12v-power- failed	detected a failure on the PDB 12v supply. Unable to Power On. The board is unable to provide power.	Critical
35	SPGXT AIL- 8000- MU	fault.chassis.gx. power-good-failed	ILOM has detected a power good failure on the tail node. Unable to Power On. The host will not power on.	Critical
36	SPGXT AIL- 8000-N7	fault.chassis.gx. temp.fail	GPU Temperature Fail. Reduced CPU some cores may be disabled. May Auto-Clear	Critical
37	SPGXT AIL- 8000- PM	fault.io.pcie.data- link-layer-inactive	PCIe Link Layer Inactive. Reduced Storage OR Network Performance. The system is unable to power on.	Critical
38	SPENV- 8002-JU	defect.chassis. memory.lb.sep.fw. update-needed	the firmware of the Storage Enclosure Processor (SEP) located on the disk backplane is outdated and requires an update. Reduced Storage OR Network Performance. (Lenovo Only) Upgrade to the latest SEP firmware on the disk backplane.	Critical
39	SPENV- 8002-K8	fault.chassis. memory.lb.sep.fw. update-failed	an update of the Storage Enclosure Processor (SEP) firmware on the disk backplane has failed. Reduced Storage OR Network Performance. (Lenovo Only) Replace disk backplane if upgrade of the SEP firmware has failed.	Critical
40	SPENV- 8002-LM	fault.memory. dimm.unr- overtemperature	A DIMM has reached an Unrecoverable Overtemperature. Validate there are no cooling issues present. The host will reset. A memory DIMM has exceeded the non-recoverable temperature limit. The system will immediately power off.	Critical
41	SPENV- 8001-K1	defect.chassis. memory.lb.spi. firmware. corrupted	LB SPI Firmware Corrupt. The host will reset. The system is unable to power-on. The system should be re-provisioned using the HoPS process which will automatically attempt to fix the firmware on the SPI flash.	Critical
42	SPENV- 8001- LW	fault.chassis. memory.lb.spi. failed	LB SPI Firmware Failed. ILOM won't start. The system is unable to power-on. Replacement of the Motherboard is necessary.	Critical
43	SPENV- 8000-2N	alert.chassis. config.psu. unsupported	An invalid power supply configuration has been detected. Configuration Issue after Repair. The system may be unable to power on.	Critical
44	SPENV- 8000-9M	fault.chassis. device.fail	A device necessary to support a configuration has failed. ILOM is running Host won't start. The system may be unable to boot.	Critical
45	SPGXT AIL- 8000-AV	fault.chassis.gx. gbb.i2c-bus-failed	Indicates that the GBB health is at a critical level.. Unable to Power On. All of the OAMs are unavailable for use.	Critical
46	SPENV- 8000-D1	fault.chassis. domain.boot. power-off- unexpected	The Field Programmable Gate Array (FPGA) has detected a malfunctioning component and has powered-off the system. Unable to Power On. The system is unable to power-on. (Voltage Faults)	Critical
47	SPENV- 8000- EW	fault.chassis. domain.boot. retries-failed	Number of boot retries has exceeded limit. The Host will not boot. The system is unable to complete the boot sequence.	Critical
48	SPENV- 8000-FF	fault.chassis. domain.boot. standby-power- off-unexpected	The Field-Programmable Gate Array (FPGA) has detected the system standby was powered off unexpectedly. Unable to Power On. The system is unable to power on.	Critical
49	SPENV- 8000- GK	fault.chassis.fw. platform-info. invalid	The BIOS has detected that the platform information structure (SPI flash) is invalid. Unable to Power On. The system is unable to power on. BIOS does not have valid platform information to boot properly.	Critical
50	SPENV- 8000-H9	fault.chassis.mb. volt_reg_failed	A failure with a voltage regulator on the motherbord has been detected. Unable to Power On. The server will be unable to boot.	Critical
51	SPENV- 8000-JN	fault.chassis. memory.spi.error	A serial peripheral interface error. Unable to Power On. The system is unable to power-on.	Critical
52	SPENV- 8000-LT	fault.chassis. power.fail	A power source has failed or is not available to the server. Reduced power or cooling to the Server. The host OS may not be able to boot if there is insufficient power.	Critical
53	SPENV- 8001- W9	alert.chassis. config.psu.mixed- models-identified	PSU Mix Models Identified. Configuration Issue after Repair. The system may be unable to power on. The power supply configuration must utilize the same PSU model. Install power supplies with matching models / wattage output	Critical
54	SPENV- 8001-XT	alert.chassis. config.psu.mixed- models- unidentified	PSU Mix Models Unidentified. Configuration Issue after Repair. The system may be unable to power on. The power supply configuration must utilize the same PSU model. Install power supplies with matching models / wattage output	Critical

55	SPENV-8002-A9	alert.chassis.config.retimer.all-missing	All retimer cards are missing.  (We will get one of these for the whole tail node if all 8 retimer cards are missing) . Unable to Power On. System will not power on.	Critical
56	SPENV-8002-EL	alert.chassis.config.retimer.cable.missing	Retimer card's cable is missing.. Unable to Power On. System will not power on.	Critical
57	SPGX-8000-4P	defect.chassis.gx.oam.fw.boot-failed	indicates that firmware on the OAM has failed to boot. All of the OAMs are unavailable for use.	Critical
58	SPGX-8000-5A	defect.chassis.gx.oam.fw.update-failed	Indicates that firmware on the OAM was not updated. Reprovision Required. The system will use the currently installed firmware.	Critical
59	SPGX-8000-6S	defect.chassis.gx.oam.fw.validation-failed	Indicates that firmware on the OAM could not be validated. All of the OAMs are unavailable for use.	Critical
60	ILOM-8000-LL	defect.ilom.fdd.unparsable_diagnosis_rules	ILOM Fault Diagnosis Daemon (FDD) encountered an error parsing it's diagnosis rules files.. ILOM Impacted No Impact to the Host. Some faults will not be automatically diagnosed.	Critical
61	ILOM-8000-4T	fault.chassis.device.sppost	The Service Processor power-on self test has detected a problem. . ILOM unable to Initialize Host may not start. The Service Processor may not be able to perform necessary functions to power on monitor or manage the system. Reset the SP.	Critical
62	SPGX-8000-75	fault.chassis.gx.hmc.failed	The HMC (or its 3.3v coin battery) is non-functional. Unable to Power On. The HMC is not ready and the system is unable to power on	Critical
63	SPGX-8000-8E	fault.chassis.gx.nvlink.error	GPU NVLink failure has occurred.. Reduced CPU, some cores may be disabled.. All of the OAMs are unavailable for use.	Critical
64	SPGX-8000-9J	fault.chassis.gx.nvswitch.operation-suspended	GPU NVSwitch is hanging. Unable to Power On. The host will not power on.	Critical
65	SPGX-8000-A2	fault.chassis.gx.nvswitch.unavailable	GPU NVSwitch is unavailable.. Unable to Power On. All of the OAMs are unavailable for use.	Critical
66	SPGX-8000-CX	fault.chassis.gx.oam.device.health-critical	Indicates that the OAM health is at a critical level.. Unable to Power On. All of the OAMs are unavailable for use.	Critical
67	SPGX-8000-D4	fault.chassis.gx.oam.uncorrected	Indicates that an OAM has experienced an uncorrected error.. Unable to Power On. All of the OAMs are unavailable for use.	Critical
68	ISTOR-8000-3P	fault.io.scsi.cmd.disk.dev.rqs.derr	ILOM fault manager has applied diagnosis to error reports indicating a non-recoverable hardware failure was detected by the disk device.. Reduced Storage OR Network Performance. The device has failed. The service may have been lost or degraded. It is likely that continued operation will result in data corruption which may eventually cause the loss of service or the service degradation." RunTime.	Critical
69	SPINTE L-8000-12	alert.chassis.boot.intel.pmc-patch-failed-nonserviceable	PMC Patch Failed. Reprovision Required. Platform services will automatically perform a power-cycle of the system and clear this event.	Critical
70	SPENV-8002-CN	alert.chassis.config.retimer.all-no-power	All retimer cards have no power.. Unable to Power On. System will not power on.	Critical
71	SPENV-8002-DG	alert.chassis.config.retimer.cable-order-wrong	The order in which retimer cables are connected is wrong.. The Host will not boot. The Host will not boot	Critical
72	SPENV-8000-QL	alert.chassis.domain.boot.power-on-failed	The Field Programmable Gate Array (FPGA) has detected a power-on request that was denied by the service processor.. ILOM is running Host won't start. The system is unable to power on.	Critical
73	SPINTE L-8000-2J	alert.chassis.domain.intel.ierr-persistent-nonserviceable	A warm reset was unsuccessful in clearing IERR condition.. No direct impact look for associated events.. Platform services will automatically power-cycle the server.	Critical
74	SPENV-8000-39	alert.chassis.fw.bios-upgrade-failure	The deferred update of the system BIOS has failed.. No direct impact look for associated events.. The BIOS update may need to be manually performed as part of an overall ILOM update.	Critical
75	SPENV-8000-4L	alert.chassis.memory.spi.update.failure	ILOM was able to access the serial peripheral (SPI) flash device but the write was blocked or the resulting image was corrupted.. No direct impact look for associated events.. The system is unable to power on.	Critical
76	SPENV-8000-M0	alert.chassis.power.inadequate	Power Inadequate. Reduced power or cooling to the Server. The system will not be allowed to power-on.	Critical
77	SPENV-8000-5G	alert.chassis.sp.firmware-invalid	System has detected invalid or corrupt firmware in the FPGA or ILOM power state.. Reprovision Required. The system is unable to power on.	Critical

78	SPENV-8000-6V	alert.chassis.temp.warn	The ambient temperature of the system has exceeded established thresholds. Reduced power or cooling to the Server. The system continues to operate provided the internal temperature range does not exceed threshold for adequate cooling.	Critical
79	SPINTE L-8007-7J	alert.cpu.intel.pch_incompatible	The Platform Controller Hub (PCH) is not compatible with the installed processor.. Reduced CPU some cores may be disabled.. The system will be unable to power on.	Critical
80	SPINTE L-8000-8D	alert.cpu.intel.ultrath.global-error-posted-nonserviceable	The Ultrath Interconnect Initialization Code (UPIRC) has detected a global error.. No direct impact look for associated events.. The system can not be powered on in this condition.	Critical
81	SPINTE L-8007-95	alert.memory.intel.dimm.3dx.partition-size-mismatch	The Memory Reference Code (MRC) has detected that the DCPMM DIMMs partitions are not the same size.. Reduced Memory some dimms may be disabled. The system is unable to power on.	Critical
82	SPINTE L-8007-AP	alert.memory.intel.dimm.memory-none	The Memory Reference Code (MRC) has detected that no system memory is available.. Reduced Memory some dimms may be disabled. The system is unable to power on.	Critical
83	SPINTE L-8000-K2	alert.memory.intel.dimm.mismatch	The Memory Reference Code (MRC) has detected Memory DIMMs of different types.. Reduced Memory some dimms may be disabled. The system will be unable to boot and no video output to the Host console. A fatal error will result in the entire memory subsystem to be unusable.	Critical
84	SPINTE L-8000-LX	alert.memory.intel.dimm.mixed-3dx-udimm	The Memory Reference Code (MRC) has detected a mixture of 3DX DIMMS and UDIMMs.. Reduced Memory some dimms may be disabled. The system will be unable to boot and no video output to the Host console. A fatal error will result in the entire memory subsystem to be unusable.	Critical
85	SPINTE L-8001-0S	alert.memory.intel.mrc.ddr4-capacity-under-limit	An unsupported memory configuration using DDR4 DIMM(s) that are below 32-GB in size has been detected.. Configuration Issue after Repair. The system may be unable to boot.	Critical
86	SPINTE L-8001-15	alert.memory.intel.mrc.ddr4-type-incompatible-with-memory-mode	The DDR4 DIMM type is an unsupported configuration in the current memory mode.. Configuration Issue after Repair. The system may be unable to boot.	Critical
87	SPINTE L-8001-4H	alert.memory.intel.mrc.global-error-posted-nonserviceable	The Memory Reference Code (MRC) has detected a global error.. No direct impact look for associated events.. The system is unable to be powered on in the presence of this condition.	Critical
88	SPINTE L-8001-5D	alert.memory.intel.mrc.invalid-nearmem-farmem-ratio	The processor has determined the capacity ratio between a DDR4 DIMM and DCPMM DIMM is outside the recommended range.. Configuration Issue after Repair. The system may be unable to boot.	Critical
89	SPINTE L-8001-6Y	alert.memory.intel.mrc.mixed-memory-modes-unsupported	The Memory Reference Code (MRC) has determined that DIMM sockets are not using the same memory mode.. Configuration Issue after Repair. The system may be unable to boot.	Critical
90	SPINTE L-8007-MJ	alert.memory.intel.mrc.no-dimm-on-socket	The Memory Reference Code (MRC) has determined that a processor is unable to detect any DIMM's installed that are associated with that processor.. Reduced Memory some dimms may be disabled. The system is unable to boot.	Critical
91	SPINTE L-8001-9Q	alert.memory.intel.mrc.socket-ddrt-capacity-mismatch	The Data Center Persistent Memory Modules (DCPMM) installed across all DIMM sockets don't have the same capacity.. Configuration Issue after Repair. The system may be unable to boot.	Critical
92	SPINTE L-8001-A4	alert.memory.intel.mrc.topology-not-symmetrical	The memory topology is not symmetrical between memory controllers.. Configuration Issue after Repair. The system may be unable to boot.	Critical
93	SPINTE L-8001-D2	defect.chassis.fw.intel.pmc-patch.invalid	The Platform Controller Hub (PCH) PMC patch did not load properly.. Unable to Power On. The system is unable to be powered on when the PCH is in this condition.	Critical
94	SPINTE L-8001-FE	defect.chassis.intel.pch.unresponsive	The Platform Controller Hub (PCH) was unable to service a power-on request even after it was reset.. Unable to Power On. The system is unable to be powered on when the PCH is in this condition.	Critical
95	SPINTE L-8001-GJ	defect.cpu.intel.bios	A problem within the BIOS code has been detected.. Unable to Power On. The system is unable to be powered on.	Critical
96	SPINTE L-8009-G9	defect.cpu.intel.rc.lib-internal-error	Fatal Internal Error. Reprovision Required. The system is unable to boot. Upgrade to the latest ILOM/BIOS Firmware.	Critical
97	SPINTE L-8001-HA	defect.cpu.intel.ultrath.full-speed-transition	The Ultrath Interconnect Reference Code (UPIRC) has detected that the Ultrath could not transition to full speed because an unsupported UPI link speed parameter within UPIRC has been encountered.. Unable to Power On. The system is unable to be powered on.	Critical

98	SPINTE L-8007- RA	defect.cpu.intel. ultrapath.link- speed- unsupported	The Ultrapath Interconnect Reference Code (UPIRC) has determined that the UPI link speed is not supported by firmware.. The Host will not boot. The system is unable to boot.	Critical
99	SPINTE L-8001- K5	defect.cpu.intel. ultrapath.minpath- internal-failure	The Ultrapath Interconnect Reference Code (UPIRC) has detected an internal error in the minimum path setup.. Unable to Power On. The system is unable to be powered on as the processors and Ultrapath links are unusable.	Critical
100	SPINTE L-8001- LS	defect.cpu.intel. ultrapath.sanity- check	The Ultrapath Interconnect Code (UPIRC) has detected an internal error.. Unable to Power On. The system is unable to be powered on as the processors and Ultrapath links are unusable.	Critical
101	SPINTE L-8001- M3	defect.cpu.intel. ultrapath. topology_invalid_ data	The Ultrapath Interconnect Code (UPIRC) has detected the Ultrapath Interconnect (UPI) topology data is invalid. Unable to Power On. The system is unable to be powered on as the processors and Ultrapath links are unusable.	Critical
102	SPINTE L-8001- QH	defect.cpu.intel. ultrapath. unsupported- topology	An unsupported Ultrapath topology has been detected.. Unable to Power On. The system is unable to be powered on.	Critical
103	SPINTE L-8001- RR	defect.memory. intel.array-out-of- bounds	The Memory Reference Code (MRC) has detected an array access out-of-bounds.. Unable to Power On. The system is unable to be powered on.	Critical
104	SPINTE L-8001- UC	defect.memory. intel.dimm.sad- rules-config-error	The Memory Reference Code (MRC) has detected that the System Address Decoder (SAD) rules encountered a configuration error.. ILOM Impacted No Impact to the Host. A fatal error will result in the entire memory subsystem to be unusable. The system will be unable to boot and no video output to the Host console.	Critical
105	SPINTE L-8009- JF	defect.memory. intel.mrc.ddr- frequency-not- found	DDR Frequency Not Found. Reprovision Required. The system is unable to boot. Upgrade to the latest ILOM/BIOS Firmware.	Critical
106	SPINTE L-8002- 2Y	defect.memory. intel.mrc.imc- number-exceeded	The Memory Reference Code (MRC) has detected the number of Integrated memory controllers (IMC) has exceeded the limit.. Unable to Power On. The system is unable to be powered on.	Critical
107	SPINTE L-8007- WY	defect.memory. intel.mrc.internal- semaphore-error	The Memory Reference Code (MRC) has encountered an internal memory management error.. The Host will not boot. The system is unable to boot.	Critical
108	SPINTE L-8002- 4S	defect.memory. intel.mrc.invalid- boot-mode	The Memory Reference Code (MRC) has detected an invalid boot mode.. Unable to Power On. The system is unable to be powered on.	Critical
109	SPINTE L-8002- 55	defect.memory. intel.mrc.invalid- reg-access	The Memory Reference Code (MRC) has detected an invalid access to a register.. Unable to Power On. The system is unable to be powered on.	Critical
110	SPINTE L-8002- 6P	defect.memory. intel.mrc.invalid- subboot-mode	The Memory Reference Code (MRC) has detected an invalid subboot mode request.. Unable to Power On. The system is unable to be powered on.	Critical
111	SPINTE L-8007- XD	defect.memory. intel.mrc.lib- internal-error	The Memory Reference Code (MRC) has encountered a library internal error.. The Host will not boot. The system is unable to boot.	Critical
112	SPINTE L-8002- 7A	defect.memory. intel.mrc.odt- struct-lookup- failed	The Memory Reference Code (MRC) could not lookup ODT structure.. Unable to Power On. The system is unable to be powered on.	Critical
113	SPINTE L-8007- YH	defect.memory. intel.mrc.out-of- heap-memory	The Memory Reference Code (MRC) has encountered an internal memory allocation error.. The Host will not boot. The system is unable to boot.	Critical
114	SPINTE L-8008- 1T	defect.memory. intel.mrc. population-rules- table-invalid	The Memory Reference Code (MRC) has determined that the memory DIMM population rules are invalid.. The Host will not boot. The system is unable to boot.	Critical
115	SPINTE L-8008- 29	defect.memory. intel.mrc.socket- population-rules- nomatch	The Memory Reference Code (MRC) has determined that the memory DIMM population rules for a socket are unavailable.. The Host will not boot. The system is unable to boot.	Critical
116	SPINTE L-8009- MU	defect.memory. intel.mrc.vdd-out- of-range	VDD Out of Range. Reprovision Required. The system is unable to boot. Upgrade to the latest ILOM/BIOS Firmware.	Critical
117	SPENV- 8000- RU	fault.chassis. config.fan. capacity- insufficient	Indicates insufficient cooling of server is due to multiple faulted or missing fan modules. The fan module configuration supported by the server can provide adequate cooling when 1one fan module is faulted or missing but not when more than one fan module has failed or is missing.. Reduced power or cooling to the Server. The server will be gracefully shutdown within 1 minute.	Critical
118	SPENV- 8000-88	fault.chassis.dbp. power.fail	A lack of power to the disk backplane has been detected.. The Host will not boot. The server will be unable to boot to the operating system.	Critical

119	SPENV-8002-GV	fault.chassis.config.retimer.failure	Retimer card has an internal error.. Unable to Power On. System will not power on.	Critical
120	SPINTE L-8002-AE	fault.chassis.domain.boot.intel.me-noresp	BIOS Hang. Unable to Power On. The service processor will shutdown the system and will be unable to be powered on.	Critical
121	SPINTE L-8002-CJ	fault.chassis.domain.boot.intel.mrc-failed	MRC not successful. Unable to complete boot process.. Unable to Power On. The system is unable to complete the boot process as the retry limit has been exceeded.	Critical
122	SPINTE L-8002-DC	fault.chassis.domain.boot.intel.pcie-init-failed	PCIE initialization failed to complete.. Reduced Storage OR Network Performance. The platform services daemon will retry the boot sequence by issuing a power-off signal and a power-on request.	Critical
123	SPINTE L-8002-EQ	fault.chassis.domain.boot.intel.reset-init-failed	The Demoted Warm Reset (DWR) process was unable to complete or is deadlocked.. Reduced CPU some cores may be disabled.. The platform services daemon will retry the boot sequence by issuing a power-off signal and a power-on request.	Critical
124	SPINTE L-8002-F4	fault.chassis.domain.boot.intel.start-failed	The start of the boot process was unable to complete or is deadlocked.. Unable to Power On. The platform services daemon will retry the boot sequence by issuing a power-off signal and a power-on request.	Critical
125	SPINTE L-8002-GR	fault.chassis.domain.boot.intel.upirc-failed	The Ultrathin Interconnect (UPI) initialization Code was unable to complete or is deadlocked.. Reduced CPU some cores may be disabled.. The platform services daemon will retry the boot sequence by issuing a power-off signal and a power-on request.	Critical
126	SPINTE L-8002-H3	fault.chassis.domain.intel.ierr	Indicates processor internal errors (IERR) have been detected.. Reduced CPU some cores may be disabled.. Platform services will automatically power-cycle the server in an attempt to clear the fault.	Critical
127	SPINTE L-8002-JY	fault.chassis.domain.intel.ierr-unrecoverable	Multiple processor internal errors have occurred.. Reduced CPU some cores may be disabled.. Admin or User needs to initiate a new boot process.	Critical
128	SPENV-8001-6U	fault.chassis.gx.gpu.undetected	GPU Undetected. ILOM is running Host won't start. The system will be unable to power on.	Critical
129	SPENV-8001-D6	fault.chassis.temp.fail	The internal temperature within the system has exceeded established thresholds.. Reduced power or cooling to the Server. The system is unable to power on.	Critical
130	SPINTE L-8008-3N	fault.cpu.intel.adr_timeout	The processor has encountered an Asynchronous DRAM Refresh (ADR) timeout.. Reduced CPU some cores may be disabled.. The system will panic and reset.	Critical
131	SPINTE L-8008-4G	fault.cpu.intel.bclk_error	The bus clock frequency for a processor has exceeded the fused threshold.. Reduced CPU some cores may be disabled.. The system will panic and reset.	Critical
132	SPINTE L-8002-KD	fault.cpu.intel.bist.all-cores-failure	The Memory Reference Code (MRC) has detected that a processor has failed the built-in self-test for all the cores.. Reduced CPU some cores may be disabled.. The system is unable to be powered on.	Critical
133	SPINTE L-8002-LH	fault.cpu.intel.bist.core-failure	The Memory Reference Code (MRC) has detected that a processor has failed the built-in self-test on a single core.. Reduced CPU some cores may be disabled.. The system is allowed to proceed with boot.	Critical
134	SPINTE L-8008-5L	fault.cpu.intel.disp_timeout	The dispatcher of the Package Control Unit (PCU) on a processor has timed out.. Reduced CPU some cores may be disabled.. The system will panic and reset.	Critical
135	SPINTE L-8002-MA	fault.cpu.intel.dmi_timeout	Direct Media Interface (DMI) training has failed to complete within specified time.. Reduced CPU some cores may be disabled.. The system will panic and reset.	Critical
136	SPINTE L-8008-60	fault.cpu.intel.fsm_failures	The idle state of the Package Control Unit (PCU) Finite-State Machine (FSM) on a processor has timed out.. Reduced CPU some cores may be disabled.. The system will panic and reset.	Critical
137	SPINTE L-8002-NP	fault.cpu.intel.indeterminate	An indeterminate processor error has occurred.. Reduced CPU some cores may be disabled.. The system will likely crash, but there are some cases where the UE could be just in the Customers App and therefore handled in userland, so its not 100%	Critical
138	SPINTE L-8002-P5	fault.cpu.intel.internal	A processor has detected an internal fault.. Reduced CPU some cores may be disabled.. The system will panic and reset. System performance may be impacted due to disabled core(s).	Critical
139	SPINTE L-8008-7V	fault.cpu.intel.llc_timeout	A processor Built-in Self-Test (BIST) of it's Last Level Cache (LLC) has timed out.. Reduced CPU some cores may be disabled.. The system will panic and reset.	Critical
140	SPINTE L-8002-TX	fault.cpu.intel.mc_addr_cmd_parity_ue	A processor has detected a memory controller address/command parity uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset.	Critical
141	SPINTE L-8002-VR	fault.cpu.intel.mc_timeout	The memory controller on a processor has experienced a timeout in it's Mesh2Mem logic.. Reduced CPU some cores may be disabled.. The system will panic and reset.	Critical



142	SPINTE L-8002-W4	fault.cpu.intel.mc_ue	A processor has detected a memory controller uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset.	Critical
143	SPINTE L-8003-0Q	fault.cpu.intel.overtemp	The Power Control Unit (PCU) on a processor has detected excessive die temperature on the processor.. Reduced CPU some cores may be disabled.. The system will panic and reset.	Critical
144	SPINTE L-8003-1C	fault.cpu.intel.pkgc_failure	The processor has experienced a pkg C-state timeout or hang indicative of processor or UPI problems.. Reduced CPU some cores may be disabled.. The system will panic and reset.	Critical
145	SPINTE L-8003-34	fault.cpu.intel.pkgs_failure	The processor has experienced a pkg S-state timeout or hang indicative of a processor or UPI failure.. Reduced CPU some cores may be disabled.. The system will panic and reset.	Critical
146	SPINTE L-8008-8M	fault.cpu.intel.pmax_failure	The Power Control Unit (PCU) on a processor has detected a power control failure.. Reduced CPU some cores may be disabled.. The system will be unable to power on.	Critical
147	SPINTE L-8008-98	fault.cpu.intel.sideband_timeout	The Power Control Unit (PCU) on a processor has detected a sideband timeout.. Reduced CPU some cores may be disabled.. The system will be unable to power on.	Critical
148	SPINTE L-8008-AU	fault.cpu.intel.timestamp_counter_sync	The Power Control Unit (PCU) on a processor has encountered a problem with clock synchronization.. Reduced CPU some cores may be disabled.. The system will be unable to power on.	Critical
149	SPINTE L-8003-6J	fault.cpu.intel.txt_config	During Boot Mode Processing more than 1 Intel TXT Agent has been detected.. Reduced CPU some cores may be disabled.. The system is unable to be powered on.	Critical
150	SPINTE L-8009-N7	fault.cpu.intel.ubox.general-error	Processor UBOX General Error. The Host will not boot. The system is unable to power on. Replace the faulty processor at the earliest possible convenience.	Critical
151	SPINTE L-8003-7E	fault.cpu.intel.ubox.invalid_cfg_access	An invalid access to the System Configuration Controller (UBOX) on a processor has occurred.. Reduced CPU some cores may be disabled.. The system is unable to be powered on.	Critical
152	SPINTE L-8003-9S	fault.cpu.intel.ubox.timeout	The System Configuration Controller (UBOX) has encountered a MasterLock timeout or System Management Interrupt (SMI) Lock timeout.. Reduced CPU some cores may be disabled.. The system is unable to be powered on.	Critical
153	SPINTE L-8003-AA	fault.cpu.intel.ultrathink.link_ce	An Ultrathink Interconnect (UPI) correctable link error has occurred.. Reduced CPU some cores may be disabled.. The system is able to boot however system performance may be impacted.	Critical
154	SPINTE L-8003-CP	fault.cpu.intel.ultrathink.link_down	An Ultrathink Interconnect (UPI) link down error has occurred.. Reduced CPU some cores may be disabled.. This fatal event will cause the system to reset as the UPI link is unusable.	Critical
155	SPINTE L-8003-DD	fault.cpu.intel.ultrathink.link_init_failure	An Ultrathink Interconnect (UPI) CRC Link error has occurred.. Reduced CPU some cores may be disabled.. This fatal event will cause the system to reset as the UPI link is unusable.	Critical
156	SPINTE L-8003-EH	fault.cpu.intel.ultrathink.link_ue	An Ultrathink Interconnect (UPI) uncorrectable link error has occurred.. Reduced CPU some cores may be disabled.. The system will panic and reset. The processor will not be disabled.	Critical
157	SPINTE L-8003-H4	fault.cpu.intel.ultrathink.pbsp-bus-failure	The Ultrathink Interconnect Reference Code (UPIRC) has detected an error in the Ultrathink Interconnect (UPI) bus programming.. Reduced CPU some cores may be disabled.. The system is unable to power on as the processors and Ultrathink links are unusable.	Critical
158	SPINTE L-8003-JR	fault.cpu.intel.ultrathink.pbsp-chkin-failure	The Ultrathink Interconnect Reference Code (UPIRC) has detected a processor socket initialization failure.. Reduced CPU some cores may be disabled.. The system is unable to power on as the processors and Ultrathink links are unusable.	Critical
159	SPINTE L-8008-C7	fault.cpu.intel.ultrathink.pcu-reset-timeout	A reset of the Power Control Unit (PCU) on a processor has timed out during processor initialization.. Reduced CPU some cores may be disabled.. The system will be unable to power on.	Critical
160	SPINTE L-8003-ME	fault.cpu.intel.ultrathink.rx_ue	An Ultrathink Interconnect (UPI) receiver failure has occurred.. Reduced CPU some cores may be disabled.. The system will panic and reset. The processor will not be disabled.	Critical
161	SPINTE L-8003-NJ	fault.cpu.intel.ultrathink.sad-setup	The Ultrathink Interconnect Reference Code (UPIRC) has detected that the system address decoder could not be setup.. Reduced CPU some cores may be disabled.. The system is unable to be powered on as the processors and Ultrathink links are unusable.	Critical
162	SPINTE L-8003-P2	fault.cpu.intel.ultrathink.topology-discovery	The Ultrathink Interconnect Reference Code (UPIRC) is unable to determine the processor topology.. Reduced CPU some cores may be disabled.. The system is unable to be powered on as the processors and Ultrathink links are unusable.	Critical
163	SPINTE L-8003-QX	fault.cpu.intel.ultrathink.topology_link_failure	The Ultrathink Interconnect Reference Code (UPIRC) has detected an Ultrathink topology failure associated with the UPI link.. Reduced CPU some cores may be disabled.. The system is unable to be powered on as the processors and Ultrathink links are unusable.	Critical



164	SPINTE L-8003- RP	fault.cpu.intel. ultrath. topology_socket_f ailure	The Ultrath Interconnect Reference Code (UPIRC) has detected an Ultrath topology failure associated with the processor socket.. Reduced CPU some cores may be disabled.. The system is unable to be powered on as the processors and Ultrath links are unusable.	Critical
165	SPINTE L-8003- TS	SPINTE L-8003- TS	An Ultrath Interconnect (UPI) transmitter (TX) failure has occurred.. Reduced CPU some cores may be disabled.. The system will panic and reset. The processor will not be disabled.	Critical
166	SPINTE L-8003- XH	fault.cpu.intel. unknown_ue	A processor has detected an unknown uncorrectable error.. Reduced CPU some cores may be disabled.	Critical
167	SPINTE L-8003- YD	fault.cpu.intel. vr_failure	The Power Control Unit (PCU) on a processor has detected a voltage regulator failure.. Reduced CPU some cores may be disabled.. The system is unable to be powered on.	Critical
168	SPINTE L-8004- 02	fault.cpu.x86. bus_interconnect	A bus interconnect error has been detected.. Reduced CPU some cores may be disabled.. The system will panic and reset.	Critical
169	SPINTE L-8004- 1X	fault.cpu.x86. bus_timeout	A bus interconnect error has been detected.. Reduced CPU some cores may be disabled.. The system will panic and reset.	Critical
170	SPINTE L-8004- 3J	fault.cpu.x86. cache_ue	A processor has detected a cache uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
171	SPINTE L-8004- 5Q	fault.cpu.x86. dcache_ue	A processor has detected a data cache uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
172	SPINTE L-8004- 7R	fault.cpu.x86. dtlb_ue	A processor has detected a data TLB uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
173	SPINTE L-8004- 9D	fault.cpu.x86. icache_ue	A processor has detected an instruction cache uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
174	SPINTE L-8004- C3	fault.cpu.x86. itlb_ue	A processor has detected an instruction TLB uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
175	SPINTE L-8004- E5	fault.cpu.x86. l0cache_ue	A processor has detected a level 0 cache uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
176	SPINTE L-8004- GA	fault.cpu.x86. l0dcache_ue	A processor has detected a level 0 data cache uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
177	SPINTE L-8004- JE	fault.cpu.x86. l0dtlb_ue	A processor has detected a level 0 data TLB uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
178	SPINTE L-8004- L2	fault.cpu.x86. l0icache_ue	A processor has detected a level 0 instruction cache uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
179	SPINTE L-8004- N4	fault.cpu.x86. l0itlb_ue	A processor has detected a level 0 instruction TLB uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
180	SPINTE L-8004- QC	fault.cpu.x86. l0tlb_ue	A processor has detected a level 0 TLB uncorrectable error.. Reduced CPU some cores may be disabled.. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
181	SPINTE L-8004- UH	fault.cpu.x86. l1dcache_ue	A processor has detected a level 1 data cache uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
182	SPINTE L-8004- SY	fault.cpu.x86. l1cache_ue	A processor has detected a level 1 cache uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
183	SPINTE L-8004- WP	fault.cpu.x86. l1dtlb_ue	A processor has detected a level 1 data TLB uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
184	SPINTE L-8004- YS	fault.cpu.x86. l1icache_ue	A processor has detected a level 1 instruction cache uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
185	SPINTE L-8005- 1S	fault.cpu.x86. l1itlb_ue	A processor has detected a level 1 instruction TLB uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical

186	SPINTE L-8005-3P	fault.cpu.x86.l1tlb_ue	A processor has detected a level 1 TLB uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
187	SPINTE L-8005-5H	fault.cpu.x86.l2cache_ue	A processor has detected a level 2 cache uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
188	SPINTE L-8005-7Y	fault.cpu.x86.l2dcache_ue	A processor has detected a level 2 data cache uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
189	SPINTE L-8005-9C	fault.cpu.x86.l2dtlb_ue	A processor has detected a level 2 data TLB uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
190	SPINTE L-8005-C4	fault.cpu.x86.l2icache_ue	A processor has detected a level 2 instruction TLB uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
191	SPINTE L-8005-E2	fault.cpu.x86.l2itlb_ue	A processor has detected a level 2 instruction TLB uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
192	SPINTE L-8005-GE	fault.cpu.x86.l2tlb_ue	A processor has detected a level 2 TLB uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
193	SPINTE L-8005-JA	fault.cpu.x86.llc_ue	A processor has detected a Last-Level Cache (LLC) uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
194	SPINTE L-8005-KS	fault.cpu.x86.thermtrip	Excessive temperature has been detected on a system component. Configuration Issue after Repair The system is powered down immediately.	Critical
195	SPINTE L-8005-L5	fault.cpu.x86.timeout	CPU Timeout Failures Reduced CPU some cores may be disabled. The system may panic and reset.	Critical
196	SPINTE L-8005-N3	fault.cpu.x86.tlb_ue	A processor has detected a TLB uncorrectable error. Reduced CPU some cores may be disabled. The system will most likely panic and reset although it is possible under certain conditions that the system may continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Critical
197	SPINTE L-8005-QD	fault.io.intel.iio.irp-fatal	An integrated I-O fatal coherent interface protocol error has been detected Reduced CPU some cores may be disabled. The server will reset however the affected processor is not disabled to allow the host OS to boot up and operate in the presence of a faulty processor.	Critical
198	SPINTE L-8005-VE	fault.io.intel.tc.uncorrectable	ILOM has detected that the traffic controller on the Integrated I/O (IIO) of a processor has encountered an uncorrectable error. Reduced CPU some cores may be disabled. The system will panic and reset.	Critical
199	SPINTE L-8005-WJ	fault.io.pcie.data-link-layer-inactive	ILOM has detected that a PCIe link layer is inactive. Reduced Storage OR Network Performance The system may be unable to boot.	Critical
200	SPINTE L-8008-DW	fault.io.pcie.device-completer-abort	Indicates that a PCIe component or device has encountered a completer abort error. The host will reset The system will panic and reset.	Critical
201	SPINTE L-8008-E1	fault.io.pcie.device-completion-timeout	The PCIe subsystem has encountered a completion timeout. The host will reset The system will panic and reset.	Critical
202	SPINTE L-8008-GF	fault.io.pcie.device-protocol-error	A PCIe device or processor has encountered a protocol error. The host will reset The system will panic and reset.	Critical
203	SPINTE L-8008-J9	fault.io.pcie.device-received-malformed	A PCIe device or processor has encountered malformed Transaction Layer Packets (TLP). The host will reset The system will panic and reset.	Critical
204	SPINTE L-8008-KT	fault.io.pcie.device-received-unsupported-request	A PCIe device or processor has received an unsupported request. The host will reset The system will panic and reset.	Critical
205	SPINTE L-8008-L6	fault.io.pcie.device-surprise-link-down	The PCIe data link layer between a PCIe card and processor has encountered a surprise link down. The host will reset The system will panic and reset.	Critical
206	SPINTE L-8005-YX	fault.io.pcie.fatal	An integrated I-O fatal error in a downstream PCIE device has been detected. The host will reset The server will reset however the affected processor is not disabled to allow the host OS to boot up and operate in the presence of a faulty processor.	Critical
207	SPINTE L-8008-MV	fault.io.pcie.flow-control-protocol-error	A PCIe flow control protocol error between a PCIe device and processor has occurred. The host will reset The system will panic and reset.	Critical

208	SPINTE L-8008-PL	fault.io.pcie.link-failure	A PCIe data link layer has failed. The host will reset The system will panic and reset.	Critical
209	SPINTE L-8009-Q8	fault.io.pcie.rciep.uncorrectable	Processor RCIEP Uncorrectable The host will reset The system will panic and reset. Replace the faulty processor at the earliest possible convenience.	Critical
210	SPINTE L-8008-SU	fault.io.pcie.rppio-completion-timeout	A Root Port Processor IO (RPPIO) completion timeout was encountered from a downstream PCIe device. The host will reset The server will panic and reset.	Critical
211	SPINTE L-8008-T8	fault.io.pcie.rppio-memio-completer-abort	A Root Port of the Processor IO (RPPIO) memory or IO space encountered a completer abort. The host will reset The server will panic and reset.	Critical
212	SPINTE L-8008-UM	fault.io.pcie.rppio-memio-unsupported-request	A Root Port of the Processor IO (RPPIO) memory or IO space encountered an unsupported request. The host will reset The server will panic and reset.	Critical
213	SPINTE L-8006-3Y	fault.memory.intel.3dx.dimm_link_ue	A memory uncorrectable ECC error on a channel that has a 3D Xpoint DIMM has been detected by the processor. Reduced Memory some dimms may be disabled The system may panic and reset. System performance may be impacted due to disabled Memory DIMM modules.	Critical
214	SPINTE L-8006-45	fault.memory.intel.3dx.dimm_overtemp	A 3D Xpoint (3DX) DIMM communications failure has occurred due to a protocol error. Reduced Memory some dimms may be disabled The system will be powered off immediately following the overtemperature event. Data integrity may have been compromised.	Critical
215	SPINTE L-8009-7U	fault.memory.intel.3dx.dimm_ue	ILOM has determined a memory uncorrectable ECC error has been detected by the processor on a Data Center Persistent Memory Module (DCPMM), aka 3D Xpoint DIMM. Reduced Memory some dimms may be disabled The system may panic and reset memory channel will be disabled	Critical
216	SPINTE L-8006-LD	fault.memory.intel.dimm.vdd-access-failed	The Memory Reference Code (MRC) has detected the system is unable to read or write DIMM voltage information. Reduced Memory some dimms may be disabled The system is unable to be powered on.	Critical
217	SPINTE L-8006-AJ	fault.memory.intel.dimm_addr_cmd_parity_ue	An uncorrectable Memory DIMM address/command parity error has been detected. Reduced Memory some dimms may be disabled The system will panic and reset. System performance may be impacted because all Memory DIMMs on the channel are disabled upon next system reboot.	Critical
218	SPINTE L-8006-KH	fault.memory.intel.dimm_ue	A memory uncorrectable ECC error on a Memory DIMM has been detected. Reduced Memory some dimms may be disabled The system may panic and reset. System performance may be impacted due to disabled Memory DIMM modules.	Critical
219	SPINTE L-8009-R0	fault.memory.intel.mrc.channel-testing-polling-timeout	MRC Polling Timeout The Host will not boot The system is unable to boot.	Critical
220	SPINTE L-8008-VF	fault.memory.intel.mrc.cmi-memchannel-init-failed	The Coherent Memory Interface (CMI) has encountered a failure during initialization of a memory channel. Reduced CPU some cores may be disabled. The system is unable to boot.	Critical
221	SPINTE L-8007-24	fault.memory.intel.mrc.mc-freq-read	The Memory Reference Code (MRC) has detected the system was unable to read the memory controller frequency. Unable to Power On The system is unable to be powered on.	Critical
222	SPINTE L-8007-5X	fault.memory.intel.mrc.pcu-not-responding	The Memory Reference Code (MRC) has detected that the Power Controller Unit (PCU) is not responding. Unable to Power On The system is unable to be powered on.	Critical
223	SPINTE L-8007-6E	fault.memory.intel.mrc.unsupported-mc-freq	The Memory Reference Code (MRC) has detected a memory controller frequency that is unsupported. Unable to Power On The system is unable to be powered on.	Critical
224	SPENV-8000-PG	fault.sp.failed	The service processor is unable to provide platform services to the operating system. No immediate impact to the host Fault is for informational purposes and does not affect the status of the host OS.	Major
225	SPINTE L-8007-3R	fault.memory.intel.mrc.memtest-failed-multiple-symbol	The Memory Reference Code (MRC) has detected that a DIMM failed memtest due to multiple symbols. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as all DIMMs on this channel are not available for use.	Major
226	SPINTE L-8009-1W	fault.memory.intel.mrc.memory_ch.boot-check-health-mapout	The Memory Reference Code (MRC) has encountered a memory test failure on a memory channel. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
227	SPINTE L-8009-UL	fault.memory.intel.mrc.dimm.zero-margin-error	DIMM Zero Margin Error Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as the affected DIMM is unavailable for use. Replace the faulty DIMM at the earliest possible convenience.	Major
228	SPINTE L-8009-TG	fault.memory.intel.mrc.dimm.spd-block-unlocked	SPD Block Unlocked Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major

229	SPINTE L-8009- SV	fault.memory.intel. mrc.dimm.power- failure	DIMM Power Failure Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as the affected DIMM is unavailable for use. Replace the faulty DIMM at the earliest possible convenience.	Major
230	SPINTE L-8009- 01	fault.memory.intel. mrc.dimm.boot- check-health- failure	The Memory Reference Code (MRC) has encountered a memory test failure on a memory DIMM. Reduced Memory some dimms may be disabled The system will continue to operate in the presence of this fault. System performance may be impacted because not all memory may be available.	Major
231	SPINTE L-8006- XC	fault.memory.intel. mrc.dimm.3dx. smbus-write-error	A 3D Xpoint (3DX) DIMM has encountered an SMBUS write error. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
232	SPINTE L-8008- YW	fault.memory.intel. mrc.dimm.3dx. smbus-read-error	The Memory Reference Code has detected a SMBUS read error on a DCPMM DIMM. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
233	SPINTE L-8009- 9G	fault.memory.intel. mrc.dimm.3dx.ait- dram-notready	The Address Indirection Table (AIT) for a DCPMM DIMM is not ready. Reduced Memory some dimms may be disabled The system is able to boot performance may be impacted as the DCPMM is unavailable.	Major
234	SPINTE L-8006- PS	fault.memory.intel. memory_ch_fail	A memory channel failure has occurred. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
235	SPINTE L-8009- V9	fault.memory.intel. memory_ch. training-timing- margin	The Memory Reference Code (MRC) detected a timing margin error during DIMM training. The host will reset The system is able to boot, however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
236	SPINTE L-8006- WR	fault.memory.intel. memory_ch. training-failed	The Memory Reference Code (MRC) has detected a memory channel training failure. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as all DIMMs on this channel are not available for use.	Major
237	SPINTE L-8006- V4	fault.memory.intel. memory_ch. swizzle-disc- uncorrectable	The Memory Reference Code (MRC) has detected an uncorrectable swizzle discovery error on a memory channel. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as all DIMMs on this channel are not available for use.	Major
238	SPINTE L-8006- SJ	fault.memory.intel. memory_ch.odt- timing-overflow	The Memory Reference Code (MRC) has detected that a memory channel on-die termination (ODT) timing overflow has occurred. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as all DIMMs on this channel are not available for use.	Major
239	SPINTE L-8006- Q5	fault.memory.intel. memory_ch.flyby- uncorrectable	The Memory Reference Code (MRC) has detected a DIMM has failed training. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as all DIMMs on this channel are not available for use.	Major
240	SPINTE L-8006- NA	fault.memory.intel. memory_ch.cmd- clk-training	The Memory Reference Code (MRC) has detected a clock (CLK) training error. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as all DIMMs on this channel are not available for use.	Major
241	SPINTE L-8006- MP	fault.memory.intel. memory_ch.clk- loopback-training	The Memory Reference Code (MRC) has detected a CLK loopback training error. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as all DIMMs on this channel are not available for use.	Major
242	SPINTE L-8006- J3	fault.memory.intel. dimm.receive- enable-training	The Memory Reference Code (MRC) has detected a memory DIMM that has failed receive-enable training. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as the affected memory DIMM and all other DIMMs on its memory channel are not available for use.	Major
243	SPINTE L-8006- 8X	fault.memory.intel. dimm.3dx.health- fatal	A memory channel failure has occurred. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as the affected memory DIMM is not available for use.	Major
244	SPINTE L-8006- 7P	fault.memory.intel. dimm.3dx.health- failing	The health status of a Data Center Persistent Memory Module (DCPMM) aka 3D Xpoint (3DX) DIMM is failing. Reduced Memory some dimms may be disabled The affected memory DIMM is still in use and the system will continue to operate but could fail at any time.	Major
245	SPINTE L-8006- 6A	fault.memory.intel. dimm.3dx.fatal	A DIMM has encountered an excessive number of memory correctable errors. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as the affected memory DIMM is not available for use.	Major
246	SPINTE L-8006- 5S	fault.memory.intel. 3dx. dimm_protocol_ue	The ILOM fault manager has received an error report indicating the Memory Reference Code (MRC) has determined a 3D Xpoint (3DX) DIMM encountered a fatal error. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as the affected memory DIMM is unavailable for use.	Major
247	SPINTE L-8008- HN	fault.io.pcie. device-received- acs-violation	A PCIe device encountered an Access Control Services (ACS) violation error. The host will reset The server will panic and reset.	Major
248	SPINTE L-8005- TC	fault.io.intel.iio. vtd-fatal	An integrated I-O fatal vtd error has been detected. Reduced CPU some cores may be disabled. The server will reset however the affected processor is not disabled to allow the host OS to boot up and operate in the presence of a faulty processor.	Major
249	SPINTE L-8003- W3	fault.cpu.intel. ultrapath.vga- stack-missing	The Ultrapath Interconnect Reference Code (UPIRC) has detected that the Video Graphics Array (VGA) range target has an invalid stack.. Reduced CPU some cores may be disabled.. The system is able to boot however system performance may be impacted as the UPI link speed may not operate at normal levels.	Major

250	SPINTE L-8003-VY	fault.cpu.intel. ultrapath.vga-soc-missing	The Ultrapath Interconnect Reference Code (UPIRC) has detected that the Video Graphics Array (VGA) range target has an invalid socket.. Reduced CPU some cores may be disabled.. The system is able to boot however system performance may be impacted as the UPI link speed may not operate at normal levels.	Major
251	SPINTE L-8003-U5	fault.cpu.intel. ultrapath. unsupported-speed	The Ultrapath Interconnect Reference Code (UPIRC) has detected that the requested Ultrapath link speed is unsupported.. Reduced CPU some cores may be disabled.. The system is able to boot however system performance may be impacted.	Major
252	SPINTE L-8003-SA	fault.cpu.intel. ultrapath.tsc-sync-unsupported	The Ultrapath Interconnect Reference Code (UPIRC) has detected that the processors do not support Time Stamp Counter (TSC) synchronization.. Reduced CPU some cores may be disabled.. The system is able to boot however system performance may be impacted as the UPI link speed may not operate at normal levels.	Major
253	SPINTE L-8003-KC	fault.cpu.intel. ultrapath. resource-not-met	The Ultrapath Interconnect Reference Code (UPIRC) has detected an Ultrapath Interconnect (UPI) resource request that was too large for the processor.. Reduced CPU some cores may be disabled.. The system is able to boot however system performance may be impacted as the UPI link speed may not operate at normal levels.	Major
254	SPINTE L-8003-LQ	fault.cpu.intel. ultrapath. resource-not-requested	The Ultrapath Interconnect Reference Code (UPIRC) has detected an Ultrapath Interconnect (UPI) resource for the processor that was not requested.. Reduced CPU some cores may be disabled.. The system is able to boot however system performance may be impacted.	Major
255	SPINTE L-8003-GY	fault.cpu.intel. ultrapath.option-mismatch	The Ultrapath Interconnect Reference Code (UPIRC) has detected mismatched Ultrapath Interconnect (UPI) link ends.. Reduced CPU some cores may be disabled.. The system is able to boot however system performance may be impacted as the UPI link speed may not operate at normal levels.	Major
256	SPINTE L-8003-F3	fault.cpu.intel. ultrapath. link_width_degraded	The Ultrapath Interconnect (UPI) has detected that a link has degraded width.. Reduced CPU some cores may be disabled.. The system is able to boot however system performance may be impacted as less than half the lanes are available.	Major
257	SPENV-8000-WF	fault.chassis. device.power-button-malfunction	chassis power-off/power-on button is either obstructed or has malfunctioned . Reduced power or cooling to the Server. The system will not be able to power on.	Major
258	SPINTE L-8002-9X	defect.memory. intel.mrc. unknown-errcode	An unknown error code from the Memory Reference Code has been detected and has not been registered with the ILOM fault diagnosis daemon.. Reprovision Required. Indeterminate. The system may or may not be able to boot but this largely depends on the nature of the error.	Major
259	SPINTE L-8002-82	defect.memory. intel.mrc. unexpected-errcode	An unexpected error code from the Memory Reference Code has been detected and is not clearly defined in the BIOS.. Reprovision Required. Indeterminate. The system may or may not be able to boot but this largely depends on the nature of the error.	Major
260	SPINTE L-8009-L1	defect.memory. intel.mrc.row-failures-list-update-failed	Row Failures List Not Updated. Reprovision Required. The system is able to boot however system performance may be impacted as the MRC will have to use default values for the temperature thresholds. Upgrade to the latest ILOM/BIOS Firmware.	Major
261	SPINTE L-8008-06	defect.memory. intel.mrc.patrol-scrub-disabled	The Memory Reference Code (MRC) is unable to support patrol scrub operations.. No immediate impact to the host. The system will continue to operate in the presence of this defect. The memory patrol scrubber will not be available.	Major
262	SPINTE L-8002-33	defect.memory. intel.mrc.internal	An error in the Memory Reference Code (MRC) has been detected.. Unable to Power On. The system is unable to be powered on.	Major
263	SPINTE L-8007-US	defect.memory. intel.mrc.dimm. power-mgt-thermal-table-not-found	The Memory Reference Code (MRC) has determined that the power management thermal table for DIMMs was not found.. No immediate impact to the host. The system will continue to operate in the presence of this alert. System performance may be impacted due to suboptimal thermal throttling of DIMMs.	Major
264	SPINTE L-8009-KW	defect.memory. intel.mrc.dimm. power-mgt-temperature-threshold-invalid	Power Management Temp Threshold Invalid. Reprovision Required. The system is able to boot however system performance may be impacted as the MRC will have to use default values for the temperature thresholds. Upgrade to the latest ILOM/BIOS Firmware.	Major
265	SPINTE L-8002-1D	defect.memory. intel.mrc.dimm. invalid-fnv-opcode	The Memory Reference Code (MRC) has determined that an internal opcode is either invalid or not defined.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted as all DIMMs on this channel are not available for use.	Major
266	SPINTE L-8002-0H	defect.memory. intel.mrc.dimm. 3dx.surprise-clock-error-nonserviceable	the Memory Reference Code detected a non-serviceable surprise clock stop on a 3D Xpoint (3DX) DIMM.. Reprovision Required. The system is power-cycled.	Major
267	SPINTE L-8001-Y2	defect.memory. intel.mrc.dimm. 3dx.surprise-clock-error	The Memory Reference Code (MRC) detected a surprise clock stop error on a 3D Xpoint (3DX) DIMM that was not resolved by a power cycle.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted as the affected memory DIMM is unavailable for use.	Major
268	SPINTE L-8001-XX	defect.memory. intel.mrc.dimm. 3dx.invalid-access-mode	The Memory Reference Code (MRC) does not recognize the interface used to access 3DX registers.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted.	Major

269	SPINTE L-8001-S4	defect.memory.intel.dimm.invalid-fnv-opcode	The Memory Reference Code (MRC) has detected an invalid opcode for memory DIMM.. No immediate impact to the host. None.	Major
270	SPINTE L-8007-T5	defect.memory.intel.dimm.interleave-failure	The Memory Reference Code (MRC) has detected a failure with setting up memory interleaving.. No immediate impact to the host. The system will continue to operate in the presence of this alert. System performance may be impacted because not all memory may be available.	Major
271	ILOM-8000-6N	defect.ilom.boot.preferred-invalid	The preferred ILOM firmware image could not be booted.. Reprovision Required. The ILOM backup image is likely to be an older and possibly out of date image.	Major
272	SPINTE L-8001-PD	defect.cpu.intel.ultrapath.unknown-errcode	An unknown error code from the Ultrapath Interconnect (UPI) Reference Code has been detected and has not been registered with the ILOM fault diagnosis daemon.. Reprovision Required. Indeterminate. The system may or may not be able to boot but this largely depends on the nature of the error.	Major
273	SPINTE L-8001-NY	defect.cpu.intel.ultrapath.unexpected-errcode	An unexpected error code from the Ultrapath Interconnect (UPI) Reference Code has been detected and is not clearly defined in the BIOS.. Reprovision Required. Indeterminate. The system may or may not be able to boot but this largely depends on the nature of the error.	Major
274	SPINTE L-8009-HK	defect.cpu.intel.ultrapath.platform-config-unknown	Ultrapath Config Unknown. Reprovision Required. The system may be able to boot however system performance may be impacted  as the MRC will have to use default values for some internal parameters.  Some memory channels may get disabled.	Major
275	SPINTE L-8001-JP	defect.cpu.intel.ultrapath.link-slow	The Ultrapath Interconnect (UPI) initialization code has detected a slow UPI link.. Reduced CPU some cores may be disabled.. The system is able to boot however system performance will be severely impacted.	Major
276	SPINTE L-8007-Q2	alert.memory.intel.mrc.tme-physical-address-bits-over-max	The Memory Reference Code (MRC) has determined that the Total Memory Encryption (TME) physical address bits have exceeded maximum value.. Reduced Memory some dimms may be disabled. The system will continue to operate in the presence of this alert. Multi-Key Total Memory Encryption (MKTME) will be unavailable.	Major
277	SPINTE L-8007-PX	alert.memory.intel.mrc.socket-dimm-type-combination-invalid	The Memory Reference Code (MRC) has determined that a combination of DIMM types across sockets associated with a processor is invalid.. Reduced Memory some dimms may be disabled. The system will continue to operate in the presence of this alert. System performance may be impacted because some DIMMs will be configured out.	Major
278	SPINTE L-8007-NE	alert.memory.intel.mrc.socket-dimm-population-rules-mapout	The Memory Reference Code (MRC) has encountered an invalid DIMM configuration using memory population rules and guidelines for a processor socket.. Reduced Memory some dimms may be disabled. The system will continue to operate in the presence of this alert. System performance may be impacted because some DIMMs will be configured out. Other alerts or faults will indicate the specific dimms that are configured out.	Major
279	SPINTE L-8009-X6	alert.memory.intel.mrc.socket-dimm-config-nonuniform	DIMM Socket Configuration is Nonuniform. The Host will not boot. ILOM has determined that the Memory Reference Code (MRC) detected the DIMM configuration is not uniform across all sockets.	Major
280	SPINTE L-8009-FN	alert.memory.intel.mrc.memory_ch.mixed-widths-unsupported	Mem Channel Mixed Widths Unsupported. Configuration Issue after Repair. The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
281	SPINTE L-8001-2P	alert.memory.intel.mrc.dimm.3dx.firmware-unsupported	The Memory Reference Code (MRC) has detected a 3DX DIMM that is not recognized due to some mismatch with current configuration data in the DIMM firmware.. Reduced Memory some dimms may be disabled. The affected memory DIMM is not available for use. The system is able to boot however system performance may be impacted.	Major
282	SPINTE L-8001-3A	alert.memory.intel.mrc.dimm.ddr-geometry-unsupported	The geometry of a DDR4 Memory DIMM is not supported.. Reduced Memory some dimms may be disabled. The affected memory DIMM is not available for use. The system is able to boot however system performance may be impacted.	Major
283	SPINTE L-8009-E6	alert.memory.intel.mrc.dimm.lrdimm-unsupported	LRDIMM Unsupported. Configuration Issue after Repair. The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use. Remove the LRDIMM from the system.	Major
284	SPINTE L-8009-WN	alert.memory.intel.mrc.dimm.vendor-version-unsupported	DIMM Vendor Version Unsupported. The Host will not boot. ILOM has determined the Memory Reference Code (MRC) detected the DIMM vendor version is unsupported.	Major
285	SPINTE L-8000-M4	alert.memory.intel.dimm.ngn-sku-mismatch	The Memory Reference Code (MRC) has detected memory DIMMs on a memory channel with different Stock-Keeping-Unit (SKU) numbers.. Reduced Memory some dimms may be disabled. The system will be unable to boot and no video output to the Host console. A fatal error will result in the entire memory subsystem to be unusable.	Major
286	SPINTE L-8000-NR	alert.memory.intel.dimm.nonprod-unsupported	The Memory Reference Code (MRC) has detected an unsupported non-production memory DIMM.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
287	SPINTE L-8000-PC	alert.memory.intel.dimm.num-ranks-unsupported	The Memory Reference Code (MRC) has detected an unsupported number of ranks on a memory DIMM.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
288	SPINTE L-8000-QQ	alert.memory.intel.dimm.rdim-unsupported	The Memory Reference Code (MRC) has detected a registered DIMM (RDIMM) on a board that only supports unbuffered/unregistered memory DIMMs (UDIMM).. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major



289	SPINTE L-8000-RY	alert.memory.intel.dimm.sku-unsupported	The Memory Reference Code (MRC) has detected a memory DIMM with an unsupported Stock-Keeping-Unit (SKU) number.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
290	SPINTE L-8000-S3	alert.memory.intel.dimm.udimm-unsupported	The Memory Reference Code (MRC) has detected an unbuffered/unregistered DIMM (UDIMM) has been installed and is unsupported.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
291	SPINTE L-8000-TH	alert.memory.intel.memory_ch.frequency-unsupported	The Memory Reference Code (MRC) has detected the memory configuration on a memory channel uses an unsupported frequency.. Configuration Issue after Repair. The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
292	SPINTE L-8000-UD	alert.memory.intel.memory_ch.numranks-unsupported	The Memory Reference Code (MRC) has detected the number of ranks on a memory channel is unsupported.. Configuration Issue after Repair. The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
293	SPINTE L-8000-VP	alert.memory.intel.memory_ch.population-invalid	The Memory Reference Code (MRC) has detected memory DIMMs on a memory channel in violation of the memory DIMM population rules.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
294	SPINTE L-8000-WA	alert.memory.intel.mrc.2lm-mc-memory-mismatch	The memory configuration does not support two-level main memory (2LM) mode.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted.	Major
295	SPINTE L-8007-FY	alert.memory.intel.mrc.2lm-num-fm-ch-notpwr2	The Memory Reference Code (MRC) has determined that the number of far memory channels is not a power of 2 in 2LM mode.. Reduced Memory some dimms may be disabled. The system will continue to operate in the presence of this alert. System performance may be impacted because the memory mode will be switched from 2LM to 1LM.	Major
296	SPINTE L-8007-G3	alert.memory.intel.mrc.3dx.sgx-persistent-memory-disabled	The Memory Reference Code (MRC) has determined that the Data Center Persistent Memory Modules (DCPMM) cannot be used in Persistent Memory Mode when Software Guard Extensions (SGX) are enabled.. Reduced Memory some dimms may be disabled. The system will continue to operate in the presence of this alert. Persistent memory will not be available.	Major
297	SPINTE L-8007-J4	alert.memory.intel.mrc.3dx.tme-persistent-memory-disabled	The Data Center Persistent Memory Modules (DCPMM) cannot be used in Persistent Memory Mode when Total Memory Encryption (TME) is enabled. Reduced Memory some dimms may be disabled. The system will continue to operate in the presence of this alert. Persistent memory will not be available.	Major
298	SPENV-8001-3F	alert.chassis.config.psu.missing	Power Supply Missing. Configuration Issue after Repair. Loss of redundant power.	Major
299	SPENV-8002-86	alert.chassis.config.nic.missing	NIC is missing.. Unable to Power On. System will not power on.	Major
300	SPGX-8000-K3	fault.gpu.mem.row-remapping-failed	GPU Row Remapping Exceed Threshold. The host will reset. Failure to offline the GPU may cause the server to fail due to fatal memory errors. Replace the GPU at the earliest possible convenience.	Major
301	SPGXT AIL-8000-R0	fault.io.pcie.link-degraded-width	Indicates that a PCI link error has occurred on a sled of the G4-8c. Reduced Storage OR Network Performance. System will continue to operate however performance may be impacted.	Major
302	ISTOR-8000-AR	alert.io.disk.life-low	The SMART health-monitoring has detected the Percent Drive Life Used (PDLU) on disk device has fallen below the "WARNING" threshold set by the manufacturer. Reduced Storage OR Network Performance.. The disk is fast approaching it's end of useful life. Continued use of this disk may result in performance degradation or possible loss of data.	Major
303	ISTOR-8000-C4	fault.io.disk.life-critical	The SMART health-monitoring has detected that the Percent Drive Life Used (PDLU) on disk device has fallen SIGNIFICANTLY below the threshold set by the manufacturer."" . Reduced Storage OR Network Performance.. The disk has reached it's end of life. Continued use of this disk may result in performance degradation. Risk of data loss or data corruption is imminent or is already occurring.	Major
304	ISTOR-8000-E2	alert.io.device.temperature-high-warning	The on-die temperature of the device controller has exceeded the warning limit established by the manufacturer."" . Reduced CPU some cores may be disabled.. The system will continue to operate however system performance may be impacted. A slow down of the processor clock on device controller should result in cool down of device controller.	Major
305	ISTOR-8000-8Q	fault.io.disk.read-only	SMART health-monitoring firmware has reported that the disk has been placed in read-only mode.. Reduced Storage OR Network Performance.. Continued operation of this disk may result in data loss.	Major
306	SPGX-8000-FC	fault.gpu.mem.ecc-contained	An uncorrectable ECC error has caused an application to fail.. The host will reset.. The application fails but the host is still running.	Major
307	SPGX-8000-JH	fault.gpu.mem.page-retire-failed	GPU Page Retirement Exceeded. Reduced CPU some cores may be disabled.. Failure to offline the GPU may cause the server to fail due to fatal memory errors. Replace the GPU at the earliest possible convenience.	Major
308	SPENV-8000-A7	fault.chassis.device.fan.fail	A fan module is rotating too slow. Reduced power or cooling to the Server. Loss of redundant cooling.	Major
309	SPENV-8000-CU	fault.chassis.device.psu.fail	An internal power supply failure has been detected. Reduced power or cooling to the Server. Loss of redundant power.	Major
310	SPENV-8001-RV	fault.chassis.device.psu.fan-fail	PSU Fan Failure. Reduced power or cooling to the Server. Loss of redundant power. Replace the affected power supply.	Major



311	SPENV-8001-S0	fault.chassis.device.psu.output-current-over	PSU Output Current Exceeded. Reduced power or cooling to the Server. Loss of redundant power. Replace the affected power supply.	Major
312	SPENV-8001-TL	fault.chassis.device.psu.output-voltage-over	PSU Output Voltage Exceeded. Reduced power or cooling to the Server. Loss of redundant power. Replace the affected power supply.	Major
313	SPENV-8001-UG	fault.chassis.device.psu.output-voltage-under	PSU Output UnderVoltage. Reduced power or cooling to the Server. Loss of redundant power. Replace the affected power supply.	Major
314	SPENV-8002-37	alert.chassis.config.iou.invalid-gxr	The Graphix Extension Retimer (GXR) PCIe card installed is not a supported hardware version. The Host will not boot. System will not power on.	Major
315	SPENV-8002-4W	alert.chassis.config.iou.invalid-mixed-gxr	The Graphix Extension Retimer (GXR) PCIe cards populated in the system are not compatible. The Host will not boot. System will not power on.	Major
316	SPENV-8002-51	alert.chassis.config.iou.insufficient-num-gxr	There is an insufficient number of Graphix Extension Retimer (GXR) PCIe cards populated. The Host will not boot. System will not power on.	Major
317	SPENV-8001-GN	alert.chassis.fw.fpga-upgrade-blocked	The FPGA upgrade was not performed due to ROT lock-down being asserted. ILOM Impacted No Impact to the Host. The system will continue to operate but the FPGA will not have been upgraded.	Major
318	SPENV-8001-HF	alert.chassis.fw.fpga-upgrade-failure	An upgrade to the Field Programmable Gate Array (FPGA) was unsuccessful. ILOM Impacted No Impact to the Host. The system will continue to operate but the FPGA will not have been upgraded. Retry the ILOM/SP update.	Major
319	SPENV-8000-VK	alert.chassis.config.iou.pcie-cable.missing	PCIe Data Cable Missing. Configuration Issue after Repair. The system will not be able to power on.	Major
320	SPENV-8000-XW	alert.chassis.config.iou.power-cable.invalid	Power Cable Incorrectly Attached to IOU. Configuration Issue after Repair. The system will not be able to power on.	Major
321	SPENV-8000-U8	alert.chassis.config.iou.unknown	IOU Unknown. Configuration Issue after Repair. The system will not be able to power on.	Major
322	SPENV-8001-VN	alert.chassis.config.pcie.missing	PCIe Device Unexpectedly Removed. Configuration Issue after Repair. The system will reboot and the device will no longer be available. Removal of hot-plug devices must be performed properly to prevent unexpected interruption of system operation	Major
323	ILOM-8000-H0	alert.ilom.chassis.tli.invalid	The key identity properties (KIP) of the system are indeterminable.. ILOM unable to Initialize Host may not start. The system will operate in the presence of this fault.  The product serial number (PSN) is a key identity property and is required for service entitlement	Major
324	SPENV-8001-ET	defect.chassis.spi.firmware.boot-image-unrecognized	The bootstrap code on the SPI flash is unrecognized. Reprovision Required. Occurs during SP initialization.	Major
325	SPENV-8001-F9	defect.chassis.spi.firmware.parameter-incorrect	A SPI flash parameter is not set to factory default.. Reprovision Required. Occurs during SP initialization.	Major
326	ILOM-8000-KG	defect.ilom.fdd.max_faults	ILOM has detected that a number of open faults have exceeded threshold limit.. ILOM Impacted No Impact to the Host. No future events will be diagnosed on the affected FRU until prior issues have been resolved.	Major
327	ILOM-8000-JV	defect.ilom.fs.full	ILOM has detected that it's file system has exceeded the filesystem capacity limit.. ILOM Impacted No Impact to the Host. Files are deleted. ILOM commands may fail especially those which make configuration changes.	Major
328	SPGXT AIL-8000-G9	fault.chassis.gx.pcie.switch-reset-assert	Indicates that a PCIe switch on the IOB has caused a PCIe reset.. Reduced CPU, some cores may be disabled.. All downstream devices will be unavailable.	Major
329	ILOM-8000-2V	fault.fruid.corrupt	indicates that the fault management function running on the service processor has determined a Field Replaceable Unit (FRU) has a corrupt FRUID SEEPROM.. Unable to Power On. System may not boot.	Major
330	ILOM-8000-D8	fault.fruid.inaccessible	A Field Replaceable Unit (FRU) FRUID SEEPROM cannot be accessed.. Reduced Storage OR Network Performance. The system may not be able to use one or more components on the affected FRU. This may prevent the system from powering on.	Major
331	ISTOR-8000-9C	fault.io.disk.backup-device-fail	SMART health-monitoring firmware has reported that the volatile memory backup device has failed.. Reduced Storage OR Network Performance. Performance degradation is likely and continued operation of this disk may result in data loss.	Major
332	ISTOR-8000-05	fault.io.disk.over-temperature	A Disk Temperature has exceeded its threshold.. Reduced Storage OR Network Performance. Performance degradation is likely and continued disk operation beyond the temperature threshold can result in disk damage and potential data loss.	Major

333	ISTOR-8000-1S	fault.io.disk.predictive-failure	A Predictive Disk Failure is Imminent.. Reduced Storage OR Network Performance. It is likely that the continued operation of this disk will result in data loss.	Major
334	SPENV-8001-P8	alert.chassis.config.iou.pcie-cable.unsupported	PCIe Cable Unsupported . Configuration Issue after Repair. The system will be unable to power on.  Remove PCIe cable from the PCIe port that does not support hot-plug.	Major
335	SPENV-8000-Y1	alert.chassis.config.rot.cabling	FIM Missing or Improperly Attached. Configuration Issue after Repair. The system will continue to operate in the presence of this alert but functionality may be reduced.	Major
336	SPINTE L-8000-4Q	alert.chassis.domain.intel.pch.reset-hung	A power-cycle of the host by ILOM was unsuccessful in resetting the Platform Controller Hub (PCH).. Unable to Power On. The system is down. A manual power cycle of the system is required.	Major
337	SPINTE L-8000-5C	alert.chassis.intel.me-recovery-mode	The Management Engine is in recovery mode and any warm resets of the host OS will become global resets.. Reprovision Required. There is no protection or warning of a global reset occurring when a warm reset was actually expected.	Major
338	SPINTE L-8000-74	alert.chassis.intel.pch.unresponsive	Multiple Platform Controller Hub (PCH) failures to service a power-on request have occurred.. No direct impact look for associated events.. System is unable to power on.	Major
339	SPENV-8001-QM	alert.chassis.power.ext-overvoltage	PSU Overvoltage Input Exceeded. Configuration Issue after Repair. Connect the power supply to a power receptacle that provides a supported voltage range.	Major
340	SPENV-8001-M7	alert.cpu.x86.prochot-persistent	Processor / Memory Throttling. No direct impact look for associated events. System performance degradation may occur. Check the system for any known fault events related to the fans or cooling of the internal components within the server.	Major
341	SPENV-8001-0W	alert.ilom.chassis.config.drive.nvme-unsupported	NVME Drive Unsupported. Configuration Issue after Repair. The NVME drive is unusable.	Major
342	SPENV-8001-11	alert.ilom.chassis.config.drive.sas-unsupported	SAS Drive Unsupported. Configuration Issue after Repair. The SAS drive is unusable.	Major
343	SPINTE L-8009-YT	alert.io.pcie.link-training-failed-nonserviceable	PCIe Link Training Failure. No immediate impact to the host. Happens 3 times and then you get the true PCIe fault.	Major
344	SPINTE L-8000-A3	alert.memory.intel.ddr4-1_2v-unsupported	The Memory Reference Code (MRC) has detected a DDR4 DIMM that does not support 1.2-Volt.. Configuration Issue after Repair. The system is able to boot however system performance may be impacted as all memory DIMMs in the affected channel are unavailable for use.	Major
345	SPINTE L-8009-C0	alert.memory.intel.dimm.24gb-unsupported	24GB DIMM Unsupported. Configuration Issue after Repair. The system is able to boot however system performance may be impacted as the affected memory DIMM is unavailable for use.	Major
346	SPINTE L-8000-D5	alert.memory.intel.dimm.3ds-unsupported	The Memory Reference Code (MRC) has detected a DIMM that stacks multiple DRAMS on a DIMM (3DS) is unsupported.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted as the affected memory DIMM is unavailable for use.	Major
347	SPINTE L-8000-ES	alert.memory.intel.dimm.3dx.dirty_shutdown_nonserviceable	Unexpected shutdown has occurred and data committed to 3DX DIMM may not have been persisted. No direct impact look for associated events.. Data stored in the Data Center Persistent Memory Module (DCPMM) a.k.a. 3d Xpoint (3DX) DIMM may have been lost. The application using the DCPMM DIMM is responsible for ensuring data loss does not occur.	Major
348	SPINTE L-8000-FA	alert.memory.intel.dimm.3dx-unsupported	A 3D Xpoint (3DX) DIMM is unsupported.. Reduced Memory some dimms may be disabled. The affected memory DIMM is not available for use. The system is able to boot however system performance may be impacted.	Major
349	SPINTE L-8000-HE	alert.memory.intel.dimm.invalid-pop	The Memory Reference Code (MRC) has detected a set of DIMMs that violates DIMM population rules.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted as the affected memory DIMMs may be unavailable for use.	Major
350	SPINTE L-8000-JJ	alert.memory.intel.dimm.invalid-spd-content	The Memory Reference Code (MRC) has detected invalid Serial Presence Detect (SPD) contents in a memory DIMM.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted as the affected memory DIMMs are unavailable for use.	Major
351	SPINTE L-8009-DT	alert.memory.intel.mrc.9x4-dimm-config-invalid	9x4 DIMM Config Invalid. Configuration Issue after Repair. The system is able to boot however system performance may be impacted as the affected memory DIMM is unavailable for use	Major
352	SPINTE L-8007-KQ	alert.memory.intel.mrc.adx1-population-mismatch	The Memory Reference Code (MRC) has determined that the AppDirect x1 operation is not allowed for the current DIMM population configuration.. Configuration Issue after Repair. The system will continue to operate in the presence of this alert. AppDirect x1 operation will not be possible.	Major
353	SPINTE L-8009-AV	alert.memory.intel.mrc.ddr-capacity-mismatch	Memory Reference Code (MRC) has identified DDR4 DIMMs on a processor socket have mismatched capacities.. Configuration Issue after Repair. The system will continue to operate in the presence of this alert. System performance may be impacted because some DIMMs will be configured out. Other alerts or faults will indicate the specific DIMMs that are configured out.	Major
354	SPENV-8001-2K	fault.chassis.connector.12v.failure-predicted	12-Volt Failure Predicted. Reduced power or cooling to the Server. The system may shutdown soon.	Major

355	SPINTE L-8005-X2	fault.io.pcie. device-init-failed	PCIe Device Initialization Failed Reduced Storage OR Network Performance The PCIe device is unusable.	Major
356	SPINTE L-8006-8X	fault.memory.intel. dimm.3dx.health-fatal	A memory channel failure has occurred. Reduced Memory some dimms may be disabled The system is able to boot however system performance may be impacted as the affected memory DIMM is not available for use.	Major
357	SPINTE L-8006-EC	fault.memory.intel. dimm_excessive_ce	A DIMM has encountered an excessive number of memory correctable errors. Reduced Memory some dimms may be disabled The system is able to boot however system performance will be impacted as the affected memory DIMM is unavailable for use.	Major

## Other Hardware Faults from ILOM

	Fault ID	Name	Description	Severity
1	SPINTE L-8006-CE	fault.memory.intel.dimm_ce	Multiple correctable ECC errors on a memory DIMM have been detected. Reduced Memory some dimms may be disabled The system will continue to operate in the presence of this fault. The memory DIMM is still in use and is not disabled. If the DIMM_CE_MAP_OUT policy is enabled the memory DIMM is disabled on next system reboot and will remain unavailable until repaired. System performance may be impacted slightly due to retired memory pages.	Minor
2	SPINTE L-8006-92	fault.memory.intel.dimm_addr_cmd_parity_ce	Multiple correctable memory DIMM address/command parity errors have been detected. Reduced Memory some dimms may be disabled The system will continue to operate in the presence of this fault. System performance may be impacted because all Memory DIMMs on the channel are disabled upon next system reboot.	Minor
3	SPINTE L-8006-23	fault.memory.intel.3dx.dimm_link_ce	Multiple correctable ECC errors on a channel that has a 3D Xpoint (3DX) DIMM has been detected by the processor. Reduced Memory some dimms may be disabled The DIMM will remain in use. The chassis wide processor and affected memory DIMM's service-required LEDs are illuminated.	Minor
4	SPINTE L-8009-67	fault.memory.intel.3dx.dimm_ce	Multiple correctable ECC errors have been detected by the processor on a Data Center Persistent Memory Module (DCPMM) Reduced Memory some dimms may be disabled System will continue to operate	Minor
5	SPINTE L-8009-PM	fault.io.pcie.rciep.correctable	Processor RCIEP Correctable No immediate impact to the host The system will continue to operate in the presence of this fault. Replace the faulty processor at the earliest possible convenience.	Minor
6	SPINTE L-8008-QG	fault.io.pcie.nonfatal	An Integrated I/O (IIO) non-fatal error in a PCIe device has been detected. Reduced Storage OR Network Performance System continues to run with degraded resources.	Minor
7	SPINTE L-8008-N0	fault.io.pcie.link-excessive-ce	A PCIe link has encountered excessive CE re-transmissions of a packet due to a bad link. Reduced Storage OR Network Performance None. The system will continue to operate but may have performance issues if the CE occurrence is high enough.	Minor
8	SPINTE L-8006-1H	fault.io.pcie.link-degraded-width	The ILOM fault manager has applied diagnosis to error reports Reduced Storage OR Network Performance The system will continue to operate however system performance may be impacted.	Minor
9	SPINTE L-8008-FK	fault.io.pcie.device-excessive-ce	A PCIe device has encountered excessive CE re-transmissions of a packet due to a faulty device. Reduced Storage OR Network Performance None. The system will continue to operate but may have performance issues if the CE occurrence is high enough.	Minor
10	SPINTE L-8006-0D	fault.io.pcie.link-degraded-speed	The ILOM fault manager has determined a PCI link error has occurred which reduces the link speed of a PCI card. Reduced Storage OR Network Performance The system will continue to operate however system performance may be impacted.	Minor
11	SPINTE L-8005-UQ	fault.io.intel.tc.correctable	ILOM has detected that the traffic controller on the Integrated I/O (IIO) of a processor has encountered multiple correctable errors. Reduced CPU some cores may be disabled. The system will continue to operate in the presence of this fault.	Minor
12	SPINTE L-800A-1M	fault.gpu.mem.row-remapping-failure	GPU Row Remappings Exceed Threshold. The GPU should be manually taken offline immediately. Failure to replace the GPU may cause the server to encounter fatal memory errors. Reduced CPU, some cores may be disabled. The GPU should be manually taken offline immediately. Failure to replace the GPU may cause the server to encounter fatal memory errors.	Minor
13	SPINTE L-800A-08	fault.gpu.mem.page-retire-failure	GPU Page Retirement Exceeded Reduced CPU, some cores may be disabled. The GPU should be manually taken offline immediately. Failure to replace the GPU may cause the server to encounter fatal memory errors.	Minor
14	SPINTE L-8005-MY	fault.cpu.x86.tlb_ce	A processor has detected multiple TLB correctable errors. Reduced CPU some cores may be disabled. The system will continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Minor
15	SPINTE L-8009-5M	fault.cpu.x86.timeout_ce	A processor detected timeout correctable errors that exceed the SERD threshold. Reduced CPU some cores may be disabled. System will continue to operate	Minor
16	SPINTE L-8005-HP	fault.cpu.x86.llc_ce	A processor has detected multiple Last-Level Cache (LLC) correctable errors. Reduced CPU some cores may be disabled. The system will continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Minor

[illegible]

39	SPINTE L-8004-2E	fault.cpu.x86.cache_ce	A processor has detected multiple cache correctable errors.. Reduced CPU some cores may be disabled.. The system will continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Minor
40	SPINTE L-8002-U2	fault.cpu.intel.mc_ce	A processor has detected multiple memory controller correctable errors.. Reduced CPU some cores may be disabled.. The system will continue to operate in the presence of this fault. System performance may be impacted due to disabled processor.	Minor
41	SPINTE L-8002-XQ	fault.cpu.intel.mlc_ce	A processor has detected multiple Mid-Level Cache (MLC) correctable errors.. Reduced CPU some cores may be disabled.. The system will continue to operate in the presence of this fault. System performance may be impacted due to disabled core(s).	Minor
42	SPINTE L-8002-SE	fault.cpu.intel.mc_addr_cmd_parity_ce	A processor has detected multiple memory controller address/command parity correctable errors.. Reduced CPU some cores may be disabled.. The system will continue to operate in the presence of this fault. System performance may be impacted due to disabled processor.	Minor
43	SPINTE L-8009-48	fault.cpu.intel.internal_ce	A processor detected internal correctable errors that exceed the SERD threshold.. Reduced CPU some cores may be disabled.. System will continue to operate	Minor
44	SPINTE L-8001-WE	defect.memory.intel.mrc.custom-refresh-rate-disabled	The custom refresh rate for temperature sensor has been disabled.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted.	Minor
45	SPINTE L-8001-VJ	defect.memory.intel.mrc.2x-refresh-rate-disabled	The increased refresh rate for a temperature sensor has been disabled.. Reduced Memory some dimms may be disabled. The system is able to boot however system performance may be impacted.	Minor
46	SPENV-8001-77	fault.chassis.config.iou.gxr-error	IOU GXR ERROR. ILOM is running Host won't start. The system will continue to operate in the presence of this alert but functionality may be reduced.	Minor
47	SPINTE L-8007-SP	defect.ilom.intel.bios-rppio-report-unexpected	BIOS has received an unexpected ereport that was received from the root port of a processor.. No immediate impact to the host. The system will continue to operate.	Minor
48	SPINTE L-8001-EX	defect.chassis.intel.pch.reset-result-unknown-nonserviceable	The Platform Controller Hub (PCH) has been reset.. Reprovision Required. The PCH has been reset but we don't know if the reset was successful.	Minor
49	SPINTE L-8001-73	alert.memory.intel.mrc.sddc-disable	The Memory Reference Code (MRC) has disabled Single Device Data Correction (SDDC).. Reduced Memory some dimms may be disabled. The system is able to boot. No memory DIMMs are disabled however advanced RAS capabilities are impacted.	Minor
50	SPINTE L-8000-Y5	alert.memory.intel.mrc.addcdc-disable	The Memory Reference Code (MRC) has disabled Advanced Double Device Data Correction (ADDDC).. Reduced Memory some dimms may be disabled. The system is able to boot. No memory DIMMs are disabled however advanced RAS capabilities are impacted.	Minor
51	SPINTE L-8000-XS	alert.memory.intel.mrc.3dx.vdd-changed	The Voltage Drain Drain (VDD) value set in the BIOS is not appropriate for the Data Center Persistent Memory Module (DCPMM) a.k.a. 3D Xpoint (3DX) DIMM's.. Reduced Memory some dimms may be disabled. None. The hardware is not at fault and there is no bug with the firmware ( BIOS). The VDD value can be changed by the user in the BIOS configuration menu. The user should reload BIOS without preserving the configuration.	Minor
52	SPINTE L-8007-8S	alert.io.pcie.endpoint-link-ce-nonserviceable	The number of PCIe link correctable errors (CEs) have exceeded threshold limit.. No direct impact look for associated events.. There is no impact to system operation.	Minor
53	SPINTE L-8000-9H	alert.cpu.intel.ultrapath.link_burst_ce_nonserviceable	A burst of Ultrapath Interconnect (UPI) correctable link errors has occurred. This is a non-serviceable event used for logging purposes to assist in other possible faults.. No direct impact look for associated events.. None. The system will continue to operate.	Minor
54	SPENV-8001-8G	alert.chassis.power.redundancy-lost	The power supplies are not providing redundant availability.. Reduced power or cooling to the Server. None. Although there is no impact to current operation system availability may be affected due to lack of redundant power supplies.	Minor
55	SPINTE L-8000-6R	alert.chassis.intel.pch.power-on-request-denied-nonserviceable	The Platform Controller Hub (PCH) has momentarily failed to service a power-on request.. No direct impact look for associated events.. The system can not be powered on when the PCH is in this condition.	Minor
56	SPINTE L-8000-3E	alert.chassis.domain.intel.pch.reset-failed-nonserviceable	A reset of the host has failed.. No direct impact look for associated events.. The system will be down temporarily while the host boot is attempted.	Minor
57	SPENV-8001-4M	alert.chassis.config.iou.external-cable.missing	IOU External Cable Missing. Configuration Issue after Repair. The system will continue to operate in the presence of this alert but functionality may be reduced.	Minor

58	SPGXT AIL- 8000-Q8	fault.io.pcie. link-degraded- speed	Indicates that a PCI link error has occurred on a sled of the G4-8c. Reduced Storage OR Network Performance. System will continue to operate however performance may be impacted.	Minor
59	SPGX- 8000-LY	fault.gpu.mem. bank-row- remapping- unavailable	Indicates that future GPU memory row mappings are not available. No immediate impact to the host. Any future GPU memory errors that are encountered may result in the system to go down immediately.	Minor
60	SPENV- 8000-70	alert.chassis. config.fan. missing	A fan module required to maintain redundancy is missing. Loss of redundant cooling. Configuration Issue after Repair.	Minor
61	SPENV- 8000-K6	alert.chassis. power.ext-fail	A loss of AC input power to a power supply has been detected. Reduced power or cooling to the Server. Loss of redundant power.	Minor
62	SPENV- 8001- NU	alert.chassis. config.fan.low- speed	FAN Low Speed. Configuration Issue after Repair. The system has reduced cooling capacity. Install high speed fans to properly cool the system.	Minor
63	SPENV- 8001-JK	fault.chassis. battery.fail	RTC Battery End of Life. No immediate impact to the host. ILOM and/or HOST time-of-day clock may not be retained or accurate when the RTC battery reaches it's end of life.	Minor
64	ILOM- 8000-M9	defect.ilom.fdd. ereport-invalid	ILOM fault manager has posted an ereport that has an invalid format or invalid contents.. ILOM Impacted, No Impact to the Host. ILOM Impacted, No Impact to the Host. Upgrade to the latest version of ILOM.	Minor
65	SPGXT AIL- 8000-3K	alert.chassis. gx.sw.thermtrip	GX Switch Thermtrip. Reduced CPU some cores may be disabled. Some PCI devices may become unavailable to applications. Do not replace the SLED	Minor
66	SPGX- 8000-3D	alert.chassis. gx.gpu. thermtrip	GX GPU Thermtrip. Reduced CPU some cores may be disabled. The GPU is not available to applications. Do not replace the GPU	Minor
67	ILOM- 8000-79	defect.ilom.fs. logging- misconfig	An ILOM file system has exceeded the file system capacity limit.. ILOM Impacted No Impact to the Host. The service processor may be unable to continue logging incoming events if the filesystem remains near full.	Minor