Dell OpenManage Server Administrator Version 7.4 Error and Event Messages Reference Guide

Notes, Cautions, and Warnings

NOTE: A NOTE indicates important information that helps you make better use of your computer.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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2014 — 03

Rev. A00

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1

Introduction

The Event Message Reference contains the error and event information generated by firmware and other agents that monitor system components. These events might be logged, presented to the user on one of the system management consoles, or both logged and displayed.

Each event consists of the following fields:

Message ID	The unique alphanumeric identifier for the event. This identifier can be up to eight characters long and consists of two parts: **Message ID Prefix** — Up to four alphabetic characters. **Message ID Sequence** — Up to four numeric digits.
Message	The message text that is displayed to the user or logged as a result of the event. If the message has variable content in it, the variable substitution is reflected by text in *italics*. These substitution variables are described in the **Arguments** field of the event.
Arguments	Describes the values for any substitution variables appearing in the event message text. If there is no variable content in the message, this field is omitted from the event description.
Detailed Description	Additional information describing the event.
Recommended Response Action	The recommended action to remedy the event described. The response action can vary based on the specific platform.
Category	Dell Lifecycle Controller log filter used to select a subset of messages from different domains or agents.
Subcategory	Additional filter to further subset the event.
Trap/EventID	The identification number used as the Trap ID for SNMP alert traps and as the Event ID when the message is logged in operating system logs.
Severity	The classification of the event based on its impact to the platform or system. The severity can be: **Severity 1 Critical** — Indicates a catastrophic production problem that might severely impact production systems or components, or systems are down or not functioning.

Severity 2 Warning	Indicates a high-impact problem where a system or component is disrupted but can remain productive and perform business-level operations.
Severity 3 Information	Indicates a medium-to-low impact problem that involves a partial or noncritical loss of functionality; operations are impaired but can continue to function.

LCD Message The event message text that is displayed on the system's LCD.

Initial Default Event messages result in event actions such as logging, SNMP or email alerts. Generally, the event actions are configurable using the Dell iDRAC event action filtering feature. This item describes the initial default and possible event actions for the message.

Event Action Filter Describes additional configurable actions that are available for the event action for this message. This information is presented in a table, and each entry has a value of `TRUE` or `FALSE` to indicate its applicability.

Filter Visibility	Event visible to iDRAC event filtering.
IPMI Alert	Event can generate an IMPI alert.
SNMP Alert	Event can generate an SNMP trap.
Email Alert	Event can generate an email alert.
LC Log	Event can generate a Dell Lifecycle Controller log entry.
LCD	Event is displayed on the system's LCD.
Power Off	Event can cause the system to power off.
Power Cycle	Event can cause the system to perform a power cycle.
Reset	Event can cause the system to perform a reset.

2

AMP Event Messages

AMP400

Message	The*arg1*sensor has failed, and the last recorded value by the sensor was*arg2*A.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** current
Detailed Description	The current sensor identified in the message has failed. This condition can cause system performance issues and degradation in the moitoring capability of the system.
Recommended Response Action	Check the Embedded System Management (ESM) Log for any sensor related faults. If there is a failed sensor, replace the system board. For more information, contact your service provider.
Category	System Health
SubCategory	AMP = Amperage
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5200
Server Administrator Trap ID	

AMP401

Message	Unable to read the*arg1*sensor value.
Arguments	• ***arg1*** **=** sensor name
Detailed Description	The current sensor identified in the message has failed. This condition can cause system performance issues and degradation in the moitoring capability of the system.
Recommended Response Action	Check the Embedded System Management (ESM) Log for any sensor related faults. If there is a failed sensor, replace the system board. For more information, contact your service provider.

Category	System Health
SubCategory	AMP = Amperage
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5201
Server Administrator Trap ID	

AMP402

Message	The*arg1*sensor returned to a normal state with a value of*arg2*A.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** current
Detailed Description	The current sensor identified in the message has returned to a normal state.
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	AMP = Amperage
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5202
Server Administrator Trap ID	5202

AMP403

Message	The*arg1*sensor state has changed to a warning state with a value of*arg2*A.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** current

Detailed Description	The current sensor identified in the message is faulty or the current drawn by the system exceeds the warning threshold. This condition can cause system performance issues and degradation in the moitoring capability of the system.
Recommended Response Action	Verify the Embedded System Management (ESM) Log for any sensor related faults. If there is a failed sensor, replace the system board. For more information, contact your service provider. Otherwise, change the warning threshold for the current sensor such that it corresponds to the hardware configuration.
Category	System Health
SubCategory	AMP = Amperage
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5203
Server Administrator Trap ID	5203

AMP404

Message	The*arg1*sensor detected an error with a value of*arg2*A.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** current
Detailed Description	The current sensor identified in the message is faulty or the current drawn by the system exceed the critical threshold. This condition can cause system performance issues and degradation in the moitoring capability of the system.
Recommended Response Action	Review system power policy, check system logs for power related failures, and review system configuration changes. For more information, contact your service provider.
Category	System Health
SubCategory	AMP = Amperage
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5204
Server Administrator Trap ID	5204

AMP405

Message	The*arg1*sensor state has changed to a failed state with a value of*arg2*A.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** current
Detailed Description	The current sensor identified in the message may be faulty. This condition can cause system performance issues and degradation in the moitoring capability of the system.
Recommended Response Action	Check the Embedded System Management (ESM) Log for any sensor related faults. If there is a faulty sensor, replace the system board. For more information, contact your service provider.
Category	System Health
SubCategory	AMP = Amperage
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5205
Server Administrator Trap ID	5205

3

ASR Event Messages

ASR200

Message	The watchdog timer expired at*arg1*.
Arguments	• ***arg1*** **=** day month date hh:mm:ss yyyy
Detailed Description	The watchdog timer has expired at the date and time identified in the message, because iDRAC did not receive a response within the specified time.
Recommended Response Action	To determine the correct cause of the exception, contact your service provider
Category	System Health
SubCategory	ASR = Auto Sys Reset
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5006
Server Administrator Trap ID	5006

ASR201

Message	The watchdog timer restarted the system at*arg1*.
Arguments	• ***arg1*** **=** day month date hh:mm:ss yyyy
Detailed Description	The watchdog timer has restarted the system at the date and time identified in the message, because the operating system has crashed or hung.
Recommended Response Action	To determine the correct cause of the exception, contact your service provider
Category	System Health
SubCategory	ASR = Auto Sys Reset

Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5006
Server Administrator Trap ID	

ASR202

Message	The watchdog timer turned off the system at*arg1*.
Arguments	• ***arg1*** **=** day month date hh:mm:ss yyyy
Detailed Description	The watchdog timer has turned off the system after the specified time at the date and time identified in the message, because the operating system has crashed or hung.
Recommended Response Action	To determine the correct cause of the exception, contact your service provider
Category	System Health
SubCategory	ASR = Auto Sys Reset
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5006
Server Administrator Trap ID	

ASR203

Message	The watchdog timer performed an AC power cycle on the system at*arg1*.
Arguments	• ***arg1*** **=** day month date hh:mm:ss yyyy
Detailed Description	The watchdog timer has performed an AC power cycle on the system after the specified time at the date and time identified in the message, because the operating system has crashed or hung.

Recommended Response Action	To determine the correct cause of the exception, contact your service provider
Category	System Health
SubCategory	ASR = Auto Sys Reset
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5006
Server Administrator Trap ID	

4

BAT Event Messages

BAT0001

Message	The system board battery is operating normally.
Detailed Description	None
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5702
Server Administrator Trap ID	5702

BAT0002

Message	The system board battery has failed.
Detailed Description	System settings may be preserved if input power is not removed from the power supplies.
Recommended Response Action	Check the system board battery.
Category	System Health
SubCategory	BAT = Battery Event
Severity	Severity 1 (Critical)
LCD Message	System board battery has failed. Check battery

Server Administrator Event ID	57,045,705
Server Administrator Trap ID	5704

BAT0003

Message	The system board battery is present.
Detailed Description	None
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

BAT0004

Message	The system board battery is absent.
Detailed Description	System settings may be preserved if input power is not removed from the power supplies.
Recommended Response Action	Check the system board battery to confirm presence.
Category	System Health
SubCategory	BAT = Battery Event
Severity	Severity 1 (Critical)
LCD Message	System board battery is absent. Check battery

Server Administrator Event ID	5700
Server Administrator Trap ID	

BAT0030

Message	The system board battery is reading low.
Detailed Description	The system battery level is low, and if the input power is disconnected, the system settings will not be preserved.
Recommended Response Action	Replace the the battery.
Category	System Health
SubCategory	BAT = Battery Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5703
Server Administrator Trap ID	5703

BAT0031

Message	The system board battery status is unknown.
Detailed Description	The system battery level is unknown, and if the input power is disconnected, the system settings will not be preserved.
Recommended Response Action	Replace the the battery.
Category	System Health
SubCategory	BAT = Battery Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5701
Server Administrator Trap ID	

BAT1000

Message	Battery on*arg1*is missing.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The controller cannot communicate with the battery. The battery is absent or improperly connected. A battery with a weak or depleted charge may also cause this message.
Recommended Response Action	Verify that the device is present and then check the cables. See the storage hardware documentation to verify cabling. In addition check the connection to the controller battery and the battery health. A battery with a weak or depleted charge may cause this message.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2264
Server Administrator Trap ID	75300;80300;85300;90300;95300;100300;105300;110300;115300;120300

BAT1001

Message	Battery on*arg1*was replaced.
Arguments	• ***arg1*** **=** controller name
Detailed Description	A controllers battery was replaced.
Recommended Response Action	No response action is required.
Category	Storage

SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2175
Server Administrator Trap ID	115100

BAT1002

Message	The battery on*arg1*learn cycle has started.
Arguments	• ***arg1*** **=** controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2176
Server Administrator Trap ID	115100

BAT1003

Message	The battery on*arg1*learn cycle has completed.
Arguments	• ***arg1*** **=** controller name
Detailed Description	This alert is provided for informational purposes.

Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2177
Server Administrator Trap ID	115100

BAT1004

Message	The battery on*arg1*learn cycle has timed out.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The controller battery must be fully charged before the learn cycle can begin. The battery may be unable to maintain a full charge causing the learn cycle to timeout. In addition, the battery must be able to maintain cached data for a specified period of time in the event of a power loss. For example, some batteries maintain cached data for 24 hours. If the battery is unable to maintain cached data for the required period of time, then the Learn cycle will timeout.
Recommended Response Action	Replace the battery pack. The battery is unable to maintain a full charge.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2178
Server Administrator Trap ID	115300

BAT1005

Message	The battery on*arg1*learn cycle has been postponed.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2179
Server Administrator Trap ID	115100

BAT1006

Message	The battery on*arg1*learn cycle will start in*arg2*days.
Arguments	• ***arg1*** **=** Controller name • ***arg2*** **=** arg
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2180
Server Administrator Trap ID	115100

BAT1007

Message	The battery on*arg1*learn cycle will start in*arg2*hours.
Arguments	• ***arg1*** = Controller name • ***arg2*** = arg
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2181
Server Administrator Trap ID	115100

BAT1008

Message	Write policy on*arg1*was changed to Write Through.
Arguments	• ***arg1*** = controller name
Detailed Description	The controller battery cannot maintain cached data for the required period of time. For example, if the required period of time is 24 hours, then the battery cannot maintain cached data for 24 hours.
Recommended Response Action	Verify the battery health is good. See the storage hardware documentation to verify battery health. Contact technical support.

Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2188
Server Administrator Trap ID	115300

BAT1009

Message	Write policy on*arg1*was changed to Write Back.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The controller battery health has returned to normal.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2189
Server Administrator Trap ID	115100

BAT1010

Message	Battery on*arg1*requires reconditioning. Initiate a learn cycle.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	Battery is in warn only mode and requires reconditioning.

Recommended Response Action	Start a learn cycle on the battery.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2210
Server Administrator Trap ID	115100

BAT1011

Message	Battery on*arg1*is in warn only mode and requires reconditioning.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2104
Server Administrator Trap ID	115100

BAT1013

Message	Recharge count has exceeded the maximum limit for battery on*arg1*.
Arguments	• ***arg1*** **=** Controller name

Detailed Description	The battery cannot be recharged further.
Recommended Response Action	Replace the battery pack.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2213
Server Administrator Trap ID	115300

BAT1014

Message	*arg1*battery charge in-progress.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	Diagnostic event for service to determine if there is an ambient temperature problem.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2214
Server Administrator Trap ID	115100

BAT1015

Message	*arg1*battery charge process is interrupted.

Arguments	• ***arg1*** **=** Controller name
Detailed Description	Diagnostic event for service to determine if there is an ambient temperature problem.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2215
Server Administrator Trap ID	115100

BAT1016

Message	The*arg1*battery learn mode has changed to Auto.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2216
Server Administrator Trap ID	115100

BAT1017

Message	The*arg1*battery learn mode has changed to Warn.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2217
Server Administrator Trap ID	115100

BAT1018

Message	Battery on*arg1*is degraded.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	The temperature of the battery is high. This may be due to the battery being charged.
Recommended Response Action	If the battery is being charged, then charging the battery should be stopped until the battery cools down and charging should be resumed. If this is not case, then some other condition exists and should be investigated.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2246

Server Administrator Trap ID	115300

BAT1019

Message	Battery on*arg1*is charging.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2247
Server Administrator Trap ID	115100

BAT1020

Message	The*arg1*battery is executing a learn cycle.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2248
Server Administrator Trap ID	115100

BAT1021

Message	The charge level for the battery on*arg1*is below the normal threshold.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The controller battery cannot maintain sufficient charge level to function properly or the battery is discharging.
Recommended Response Action	Check for other events related to the state of the battery. These may help determine the cause of this event.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2278
Server Administrator Trap ID	115300

BAT1022

Message	*arg1*battery recondition is completed.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2105
Server Administrator Trap ID	115100

BAT1023

Message	The charge level for the battery on*arg1*is within normal limits.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The battery health has returned to normal.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2279
Server Administrator Trap ID	115100

BAT1024

Message	Errors detected with battery on*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The battery or the battery charger is not functioning properly. The battery may have an inadequate charge.
Recommended Response Action	Contact technical support.

Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2318
Server Administrator Trap ID	115300

BAT1025

Message	*arg1*is unable to recover cached data from the Battery Backup Unit (BBU).
Arguments	• ***arg1*** **=** controller name
Detailed Description	The controller was unable to recover data from the cache. This may indicate data loss has occurred.
Recommended Response Action	Verify that the battery is charged and in good health. See the hardware documentation for more information. When the battery charge is unacceptably low, the battery cannot maintain cached data. Data loss may also have occurred, restoring data from backups may be needed. Verify whether the battery has met its recharge limit. The battery may need to be recharged. Contact technical support if the issue persists.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2337
Server Administrator Trap ID	115400

BAT1026

Message	The*arg1*has recovered cached data from the Battery Backup Unit (BBU).
Arguments	• ***arg1*** **=** controller name

Detailed Description	The controller has retrieved cached data.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2338
Server Administrator Trap ID	115100

BAT1027

Message	The battery on*arg1*completed a charge cycle.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The battery successfully completed a charge cycle.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2358
Server Administrator Trap ID	115100

BAT1028

Message	The battery voltage on*arg1*is low.

Arguments	• ***arg1*** = controller name
Detailed Description	The controller battery voltage is low. This may indicate that the battery is no longer protecting the controller cache.
Recommended Response Action	The battery needs to recharged. Wait 24 hours to see if the charge is restored.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2145
Server Administrator Trap ID	115300

BAT1029

Message	The battery on*arg1*can no longer recharge.
Arguments	• ***arg1*** = controller name
Detailed Description	The controller battery cannot recharge. The battery may have already recharged the maximum number of times or the battery charger may not be working.
Recommended Response Action	Contact technical support.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2169
Server Administrator Trap ID	115400

BAT1030

Message	The*arg1*battery charge level is normal.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2170
Server Administrator Trap ID	115100

BAT1031

Message	The battery temperature on*arg1*is above normal.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The room temperature may be too hot. In addition, the system fan may be degraded or failed.
Recommended Response Action	Verify that the room temperature is normal and that fans are functioning properly. See the storage hardware documentation for acceptable operating temperatures.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2171

Server Administrator Trap ID	115300

BAT1032

Message	The battery temperature on*arg1*is normal.
Arguments	• ***arg1* =** controller name
Detailed Description	The battery temperature is within the normal operating range.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2172
Server Administrator Trap ID	115100

BAT1033

Message	The battery on*arg1*was removed.
Arguments	• ***arg1* =** controller name
Detailed Description	The controller cannot communicate with the battery. Either the battery was removed, or the contact point between the controller and the battery is degraded.
Recommended Response Action	Make sure that the battery is present and properly connected. If the battery is present, wait for a few minutes and re-check if the battery is detected. If the contact point between the battery and the controller is degraded, you must replace the battery, the controller, or both. Refer to the storage hardware documentation for information on how to safely access, or remove. Contact technical support if the issue persists.
Category	Storage
SubCategory	BAT = Battery Event

Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2174
Server Administrator Trap ID	115300

BAT1035

Message	The battery temperature on*arg1*is above the normal operating temperature.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The battery temperature is above normal operating temperature.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2212;2415
Server Administrator Trap ID	115100

BAT1036

Message	The battery on*arg1*is discharging.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The battery on the controller identified in the message is being discharged.
Recommended Response Action	No response action is required.

Category	Storage
SubCategory	BAT = Battery Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

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BIOS Event Messages

BIOS101

Message	Unable to read or change any of the system BIOS configuration settings.
Detailed Description	The system configuration data that BIOS exposes to Server Administrator is malformed or not available and Server Administrator is unable to read or change any of the system BIOS configuration setttings.
Recommended Response Action	Power cycle the system and retry the operation. If the problem persists, reinstall the BIOS firmware Update Package.
Category	Configuration
SubCategory	BIOS = BIOS Management
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

BIOS102

Message	A system BIOS update is scheduled that requires a reboot.
Detailed Description	A BIOS update job is scheduled through the remote access controller, and the system must be rebooted to apply the update.
Recommended Response Action	Reboot the system to apply the BIOS update.
Category	Audit
SubCategory	BIOS = BIOS Management
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5002
Server Administrator Trap ID	

BIOS103

Message	A previously scheduled system BIOS update is canceled.
Detailed Description	A previously scheduled BIOS update job is cancelled.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	BIOS = BIOS Management
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5003
Server Administrator Trap ID	

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CPU Event Messages

CPU0000

Message	CPU*arg1*has an internal error (IERR).
Arguments	• ***arg1*** **=** number
Detailed Description	System event log and OS logs may indicate that the exception is external to the processor.
Recommended Response Action	Review System Event Log and Operating System Logs. If the issue persists, contact technical support. Refer to the product documentation to choose a convenient contact method.
Category	System Health
SubCategory	CPU = Processor
Severity	Severity 1 (Critical)
LCD Message	CPU <number> internal error (IERR). Contact Support
Server Administrator Event ID	5604
Server Administrator Trap ID	5604

CPU0001

Message	CPU*arg1*has a thermal trip (over-temperature) event.
Arguments	• ***arg1*** **=** number
Detailed Description	The processor temperature increased beyond the operational range. Thermal protection shut down the processor. Factors external to the processor may have induced this exception.
Recommended Response Action	Review logs for fan failures, replace failed fans. If no fan failures are detected, check inlet temperature (if available) and reinstall processor heatsink.
Category	System Health

SubCategory	CPU = Processor
Severity	Severity 1 (Critical)
LCD Message	CPU <number> has a thermal trip. Check CPU heat sink
Server Administrator Event ID	5604
Server Administrator Trap ID	5604

CPU0005

Message	CPU*arg1*configuration is unsupported.
Arguments	• ***arg1*** **=** number
Detailed Description	System is unable to boot or may run in a degraded state.
Recommended Response Action	Review product documentation for supported CPU configurations.
Category	System Health
SubCategory	CPU = Processor
Severity	Severity 1 (Critical)
LCD Message	CPU <number> configuration is unsupported. Check CPU or BIOS revision
Server Administrator Event ID	5604
Server Administrator Trap ID	5604

CPU0007

Message	CPU*arg1*is present.
Arguments	• ***arg1*** **=** number
Detailed Description	None

Recommended Response Action	No response action is required.
Category	System Health
SubCategory	CPU = Processor
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5602
Server Administrator Trap ID	5602

CPU0008

Message	CPU*arg1*is disabled.
Arguments	• ***arg1*** **=** number
Detailed Description	System is unable to boot or may run in a degraded state.
Recommended Response Action	if unexpected, check presence, and system setup (BIOS) configuration.
Category	System Health
SubCategory	CPU = Processor
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5603
Server Administrator Trap ID	5603

CPU0009

Message	CPU*arg1*terminator is present.
Arguments	• ***arg1*** **=** number

Detailed Description	None
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	CPU = Processor
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

CPU0010

Message	CPU*arg1*is throttled.
Arguments	• ***arg1*** **=** number
Detailed Description	The CPU is throttled due to thermal or power conditions.
Recommended Response Action	Review system logs for power or thermal exceptions.
Category	System Health
SubCategory	CPU = Processor
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5603
Server Administrator Trap ID	5603

CPU0012

Message	Correctable Machine Check Exception detected on CPU*arg1*.

Arguments	• ***arg1*** **=** number
Detailed Description	None.
Recommended Response Action	Review System Event Log and Operating System Logs. If the issue persists, contact technical support. Refer to the product documentation to choose a convenient contact method.
Category	System Health
SubCategory	CPU = Processor
Severity	Severity 2 (Warning)
LCD Message	Correctable Machine Check Exception detected on CPU <number>. Check CPU
Server Administrator Event ID	5603
Server Administrator Trap ID	5603

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CPUA Event Messages

CPUA0023

Message	CPU*arg1*is absent
Arguments	• ***arg1*** **=** number
Detailed Description	None
Recommended Response Action	Verify processor installation. If present, reseat the processor.
Category	System Health
SubCategory	CPUA = Proc Absent
Severity	Severity 1 (Critical)
LCD Message	CPU <number> is absent. Check CPU
Server Administrator Event ID	5601
Server Administrator Trap ID	

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CTL Event Messages

CTL2

Message	*arg1*rebuild rate has changed.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	You have changed the controller rebuild rate. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2142
Server Administrator Trap ID	75100

CTL3

Message	*arg1*alarm is enabled.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	You have enabled the controller alarm. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2143
Server Administrator Trap ID	75100

CTL4

Message	*arg1*alarm is disabled.
Arguments	• ***arg1*** = Controller name
Detailed Description	You have disabled the controller alarm. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2144
Server Administrator Trap ID	75100

CTL5

Message	Bad block replacement error on*arg1*.
Arguments	• ***arg1*** = Controller name
Detailed Description	A portion of a physical disk is damaged. See Receive a "Bad Block" Alert with "Replacement," "Sense," or "Medium" Error for more information.
Recommended Response Action	See Receive a "Bad Block" Alert with "Replacement," "Sense," or "Medium" Error for more information.

Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2146
Server Administrator Trap ID	75300

CTL6

Message	Bad block sense error from*arg1*
Arguments	• ***arg1*** **=** Controller name
Detailed Description	A portion of a physical disk is damaged. See Receive a "Bad Block" Alert with "Replacement," "Sense," or "Medium" Error for more information.
Recommended Response Action	See Receive a "Bad Block" Alert with "Replacement," "Sense," or "Medium" Error for more information.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2147
Server Administrator Trap ID	75300

CTL7

Message	Bad block medium error on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	A portion of a physical disk is damaged. See Receive a "Bad Block" Alert with "Replacement," "Sense," or "Medium" Error for more information.

Recommended Response Action	See Receive a "Bad Block" Alert with "Replacement," "Sense," or "Medium" Error for more information.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2148
Server Administrator Trap ID	75300

CTL8

Message	Bad block extended sense error on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	A portion of a physical disk is damaged. See Receive a "Bad Block" Alert with "Replacement," "Sense," or "Medium" Error for more information.
Recommended Response Action	See Receive a "Bad Block" Alert with "Replacement," "Sense," or "Medium" Error for more information.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2149
Server Administrator Trap ID	75300

CTL9

Message	Bad block extended medium error on*arg1*.
Arguments	• ***arg1*** **=** Controller name

Detailed Description	A portion of a physical disk is damaged. See Receive a "Bad Block" Alert with "Replacement," "Sense," or "Medium" Error for more information.
Recommended Response Action	See Receive a "Bad Block" Alert with "Replacement," "Sense," or "Medium" Error for more information.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2150
Server Administrator Trap ID	75300

CTL10

Message	*arg1*alarm has been tested.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	The controller alarm test has run successfully. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2156
Server Administrator Trap ID	75100

CTL11

Message	Configuration on*arg1*was reset.

Arguments	• ***arg1*** **=** controller name
Detailed Description	A user operation to reset the controller configuration was performed.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2157
Server Administrator Trap ID	75100

CTL12

Message	An invalid SAS configuration has been detected on*arg1*. Details:*arg2*
Arguments	• ***arg1*** **=** Controller name • ***arg2*** **=** error message
Detailed Description	The controller and attached enclosures are not cabled correctly.
Recommended Response Action	Refer to the storage hardware documentation for information on correct cabling configurations.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2182
Server Administrator Trap ID	75400

CTL13

Message	The*arg1*cache has been discarded.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	The controller has flushed the cache and all data in the cache has been lost. This may occur when the system has memory or battery problems that cause the controller to distrust the cache. Although user data may have been lost, this alert does not always indicate that relevant or user data has been lost.
Recommended Response Action	Verify that the battery and memory are functioning properly.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2186
Server Administrator Trap ID	75300

CTL14

Message	Single-bit ECC error limit exceeded on the*arg1*DIMM.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	The controller memory is malfunctioning.
Recommended Response Action	Replace the controller, contact Dell technical support at support.dell.com.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2187
Server Administrator Trap ID	75300

CTL16

Message	None of the*arg1*properties are set.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	Re-issue the command.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2218
Server Administrator Trap ID	75100

CTL18

Message	Load Balance and Auto Copyback on Predictive Failure has changed for*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	Re-issue the command.
Category	Storage
SubCategory	CTL = Storage Contr

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2222
Server Administrator Trap ID	75100

CTL19

Message	Abort CC on Error, Copyback, and Load Balance has changed for*arg1*.
Arguments	• ***arg1*** = Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	Re-issue the command.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2223
Server Administrator Trap ID	75100

CTL20

Message	Copyback and Load Balance has changed for*arg1*.
Arguments	• ***arg1*** = Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	Re-issue the command.

Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2224
Server Administrator Trap ID	75100

CTL21

Message	Abort CC on Error and Load Balance has changed for*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	Re-issue the command.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2225
Server Administrator Trap ID	75100

CTL22

Message	Load Balance has changed for*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.

Recommended Response Action	Re-issue the command.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2226
Server Administrator Trap ID	75100

CTL23

Message	Copyback and Auto Copyback on Predictive Failure has changed for*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	Re-issue the command.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2228
Server Administrator Trap ID	75100

CTL24

Message	Abort CC on Error and Auto Copyback on Predictive Failure has changed for*arg1*.
Arguments	• ***arg1*** **=** Controller name

Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	Re-issue the command.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2229
Server Administrator Trap ID	75100

CTL25

Message	Auto Copyback on Predictive Failure has changed for*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	Re-issue the command.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2230
Server Administrator Trap ID	75100

CTL26

Message	Copyback and Abort CC on Error has changed for*arg1*.

Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	Re-issue the command.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2231
Server Administrator Trap ID	75100

CTL27

Message	The*arg1*alarm is silenced.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2232
Server Administrator Trap ID	75100

CTL28

Message	The Background Initialization (BGI) rate has changed for*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2233
Server Administrator Trap ID	75100

CTL29

Message	The Patrol Read rate has changed for*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2234

Server Administrator Trap ID	75100

CTL30

Message	The Check Consistency rate has changed for*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2235
Server Administrator Trap ID	75100

CTL31

Message	Copyback is modified for*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	Re-issue the command.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2236
Server Administrator Trap ID	75100

CTL32

Message	Abort CC on Error is modified for*arg1*.
Arguments	• ***arg1*** = Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	Re-issue the command.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2237
Server Administrator Trap ID	75100

CTL33

Message	The*arg1*debug log file has been exported.
Arguments	• ***arg1*** = Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2238
Server Administrator Trap ID	75100

CTL34

Message	A foreign configuration was cleared on*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	This is the result of a user operation.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2239
Server Administrator Trap ID	75100

CTL35

Message	A foreign configuration was imported on*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The operation to import foreign configuration (virtual disks, host spares, and so on) completed successfully.
Recommended Response Action	Verify the foreign configuration was successfully imported by viewing the virtual disks and hot spares. See the hardware documentation for more information.

Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2240
Server Administrator Trap ID	75100

CTL36

Message	The Patrol Read mode has changed for*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2241
Server Administrator Trap ID	75100

CTL37

Message	A Patrol Read operation started for*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	A patrol read operation was initiated by the controller or the user.

Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2242
Server Administrator Trap ID	75100

CTL38

Message	The Patrol Read operation completed for*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The patrol read task ended.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2243
Server Administrator Trap ID	75100

CTL39

Message	The*arg1*reconstruct rate has changed.
Arguments	• ***arg1*** **=** Controller name

Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2267
Server Administrator Trap ID	75100

CTL40

Message	Multi-bit ECC error on*arg1*DIMM.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	An error involving multiple bits has been encountered during a read or write operation. The error correction algorithm recalculates parity data during read and write operations. If an error involves only a single bit, it may be possible for the error correction algorithm to correct the error and maintain parity data. An error involving multiple bits, however, generally indicates data loss. In some cases, if the multi-bit error occurs during a read operation, then the data on the disk may be ok. If the multi-bit error occurs during a write operation, then data loss has occurred.
Recommended Response Action	Replace the Dual In-line Memory Module (DIMM). The DIMM is a part of the controller battery pack. Refer to the storage hardware documentation for information on replacing the DIMM. You may need to restore data from backup.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2289
Server Administrator Trap ID	75400

CTL41

Message	Single-bit ECC error on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	An error involving a single bit has been encountered during a read or write operation. The error correction algorithm has corrected this error.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2290
Server Administrator Trap ID	75300

CTL42

Message	Enclosure Management Module (EMM) hot plug is not supported on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	An attempt to hot plug an Enclosure Management Module (EMM) has been detected.
Recommended Response Action	If the new enclosure and its device are not detected by the operating system, try restarting your system to verify the newly attached enclosure and its sub-components are detected. See the hardware documentation for more information.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2304

Server Administrator Trap ID	75100

CTL43

Message	Diagnostic message*arg1*from*arg2*
Arguments	• ***arg1*** **=** args • ***arg2*** **=** Controller name
Detailed Description	This alert is provided for informational purposes. The text for this alert is generated by the utility that ran the diagnostics and can vary depending on the situation.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2315
Server Administrator Trap ID	75100

CTL44

Message	Diagnostic message*arg1*from*arg2*
Arguments	• ***arg1*** **=** message • ***arg2*** **=** Controller name
Detailed Description	A diagnostics test failed. The text for this message is generated by the tool that ran the diagnostics and can vary depending on the situation.
Recommended Response Action	Refer to the storage hardware documentation for more information on the diagnostic test.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 1 (Critical)

LCD Message	No LCD message display defined.
Server Administrator Event ID	2316
Server Administrator Trap ID	75400

CTL45

Message	Single-bit ECC error on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	The Dual In-line Memory Module (DIMM) is beginning to malfunction.
Recommended Response Action	Replace the Dual In-line Memory Module (DIMM) to avoid data loss or data corruption. The DIMM is a part of the controller battery pack. Refer to hardware documentation for information on replacing the DIMM.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2319
Server Administrator Trap ID	75300

CTL46

Message	Single-bit ECC error. The*arg1*DIMM is critically degraded.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	The Dual In-line Memory Module (DIMM) is malfunctioning. Data loss or data corruption may occur..
Recommended Response Action	Replace the DIMM immediately to avoid data loss or data corruption. The DIMM is a part of the controller battery pack. Refer to the storage hardware documentation for information on replacing the DIMM.
Category	Storage

SubCategory	CTL = Storage Contr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2320
Server Administrator Trap ID	75400

CTL47

Message	Single-bit ECC error on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	The Dual In-line Memory Module (DIMM) is malfunctioning. Data loss or data corruption may occur. The DIMM must be replaced immediately.
Recommended Response Action	Replace the DIMM immediately. The DIMM is a part of the controller battery pack. Refer to your hardware documentation for information on replacing the DIMM.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2321
Server Administrator Trap ID	75400

CTL48

Message	A foreign configuration was detected on*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The controller has physical disks that were moved from another controller or have been removed and replaced on the current configuration. These physical disks contain virtual disks that were created on the current or other controller. See the storage hardware documentation for Import Foreign Configuration and Clear

	Foreign Configuration for more information. Foreign configuration is seen when a controller is replaced.
Recommended Response Action	Import or clear the detected foreign configuration using a configuration tool or utility.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2326
Server Administrator Trap ID	75100

CTL49

Message	The NVRAM has corrupted data on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	The NVRAM has corrupted data. This may occur after a power surge, a battery failure, or for other reasons. The controller is reinitializing the NVRAM.
Recommended Response Action	No response action is required as the controller is taking the required corrective action. However, If this message is generated often (such as during each reboot), then replace the controller.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2327
Server Administrator Trap ID	75300

CTL50

Message	The*arg1*NVRAM has corrupt data.

Arguments	• ***arg1*** = Controller name
Detailed Description	The NVRAM has corrupt data. The controller is unable to correct the situation.
Recommended Response Action	Replace the controller.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2328
Server Administrator Trap ID	75300

CTL51

Message	*arg1*SAS port report:*arg2*
Arguments	• ***arg1*** = Controller name • ***arg2*** = message
Detailed Description	The text for this message is generated by the controller during runtime and can vary depending on the situation.
Recommended Response Action	Make sure the SAS cables attached to the enclosure/backplane are attached securely. Refer to the storage hardware documentation for more information on checking the cables. Contact technical support if the issue persists.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2329
Server Administrator Trap ID	75300

CTL52

Message	*arg1*SAS port report:*arg2*
Arguments	• ***arg1*** **=** Controller name • ***arg2*** **=** args
Detailed Description	This alert is provided for informational purposes. The text for this alert is generated by the controller and can vary depending on the situation.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2330
Server Administrator Trap ID	75100

CTL53

Message	A controller hot plug has been detected.
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2332

Server Administrator Trap ID	75100

CTL54

Message	*arg1*event log:*arg2*
Arguments	• ***arg1*** **=** Controller name • ***arg2*** **=** args
Detailed Description	This alert is provided for informational purposes. The text for this alert is generated by the controller and can vary depending on the situation.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2266;2334
Server Administrator Trap ID	75100;80100;85100;90100;95100;100100;105100;110100;115100;120100

CTL55

Message	*arg1*event log:*arg2*
Arguments	• ***arg1*** **=** Controller name • ***arg2*** **=** args
Detailed Description	The text for this alert is generated by the controller and can vary depending on the situation. This text is from events in the controller event log that were generated while Storage Management was not running.
Recommended Response Action	If there is a problem, review the controller event log and the Server Administrator alert log for significant events or alerts that may assist in diagnosing the problem. Verify the health of the storage components. See the hardware documentation for more information.
Category	Storage

SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2335
Server Administrator Trap ID	75300

CTL56

Message	*arg1*event log:*arg2*
Arguments	• ***arg1*** **=** Controller name • ***arg2*** **=** args
Detailed Description	The text for this alert is generated by the controller and can vary depending on the situation. This text is from events in the controller event log that were generated while Storage Management was not running.
Recommended Response Action	See the hardware documentation for more information.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2336
Server Administrator Trap ID	75400

CTL57

Message	The factory default settings were restored on*arg1*.
Arguments	• ***arg1*** **=** controller Name
Detailed Description	The controller was reset to factory default configuration settings.

Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2339
Server Administrator Trap ID	75100

CTL58

Message	*arg1*SAS SMP communications error*arg2*
Arguments	• ***arg1*** **=** Controller name • ***arg2*** **=** args
Detailed Description	The text for this alert is generated by the firmware and can vary depending on the situation. The reference to SMP in this text refers to SAS Management Protocol.
Recommended Response Action	There may be a SAS topology error. See the hardware documentation for information on correct SAS topology configurations. There may be problems with the cables such as a loose connection or an invalid cabling configuration. See the Cables Attached Correctly section for more information on checking the cables. See the hardware documentation for information on correct cabling configurations. Verify that the firmware version is supported.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2356
Server Administrator Trap ID	75400

CTL59

Message	*arg1*SAS expander error:*arg2*
Arguments	• ***arg1*** **=** Controller name • ***arg2*** **=** args
Detailed Description	There may be a problem with the enclosure. Verify the health of the enclosure and its components. To verify the health of the enclosure, select the enclosure object in the tree view. The Health sub-tab displays a red X or yellow exclamation point for enclosure components that are failed or degraded. See the enclosure documentation for more information.
Recommended Response Action	There may be a problem with the enclosure. Verify the health of the enclosure and its components. To verify the health of the enclosure, select the enclosure object in the tree view. The Health sub-tab displays a red X or yellow exclamation mark for enclosure components that are failed or degraded. See the enclosure documentation for more information.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2357
Server Administrator Trap ID	75400

CTL60

Message	A user has discarded data from the*arg1*cache.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2360
Server Administrator Trap ID	75100

CTL61

Message	Physical disks found missing from configuration during boot time on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	The controller has detected a change in the storage configuration between since its last shut down. This can generally happen if some configured physical disks are removed from the system when the system was shutdown.
Recommended Response Action	Shut down the system. Re-insert the removed physical disks and re-start the system.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2361
Server Administrator Trap ID	75300

CTL62

Message	*arg1*on*arg2*has missing drives and will go offline at boot.
Arguments	• ***arg1*** **=** VD names • ***arg2*** **=** Controller name
Detailed Description	Physical disk(s) have been removed from a virtual disk. The virtual disk will be in Failed state during the next system reboot. This alert is provided for informational purposes.

Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2362
Server Administrator Trap ID	75100

CTL63

Message	Previous configuration was found completely missing during time boot on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	The controller is unable to retrieve storage configuration saved during last shut down. This can generally happen if some configured physical disks are removed from the system when the system was shutdown.
Recommended Response Action	Shut down the system. Re-insert the removed physical disks and re-start the system.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2364
Server Administrator Trap ID	75300

CTL64

Message	Attempted to import Unsupported Virtual Disk type RAID*arg1*on*arg2*.
Arguments	• ***arg1*** **=** args

	• ***arg2*** = Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2371
Server Administrator Trap ID	75100

CTL66

Message	Attempted to import Unsupported Virtual Disk type RAID*arg1*on*arg2*.
Arguments	• ***arg1*** = args • ***arg2*** = Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2373
Server Administrator Trap ID	75100

CTL67

Message	Attempted to import Virtual Disk with missing span on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2374
Server Administrator Trap ID	75100

CTL68

Message	Attempted to import Virtual Disk with missing Physical Disk on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2375

Server Administrator Trap ID	75100

CTL69

Message	Attempted to import virtual disk with outdated physical disk information on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2376
Server Administrator Trap ID	75100

CTL70

Message	Attempted to import an orphan drive on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2377
Server Administrator Trap ID	75100

CTL71

Message	Attempted to import an incompatible Physical Disk on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2378
Server Administrator Trap ID	75100

CTL72

Message	The foreign configuration overflow has occurred on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	There is too much foreign configuration data to be imported in one attempt.
Recommended Response Action	Import these foreign configurations in multiple attempts.
Category	Storage
SubCategory	CTL = Storage Contr

Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2379
Server Administrator Trap ID	75300

CTL73

Message	Foreign configuration is imported only partially. Some configurations failed to import on*arg1*.
Arguments	• ***arg1*** **=** Controller name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2380
Server Administrator Trap ID	75100

CTL74

Message	Preserved cache detected on*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The controller has preserved data in the cache from a virtual disk, which it can no longer locate. No data loss has occurred as the controller is saving these operations in its cache.

Recommended Response Action	Check for the existence of a foreign configuration and import if any. Check that enclosures are cabled correctly.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2258
Server Administrator Trap ID	75300

CTL75

Message	Preserved cache discarded on*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The controller cache was discarded by the user. Data may have been lost or corrupted.
Recommended Response Action	If data was corrupted or lost, restore the data to the disk from a backup copy.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2257
Server Administrator Trap ID	75300

CTL76

Message	A configuration command could not be committed to disk on*arg1*
Arguments	• ***arg1*** **=** Controller name

Detailed Description	The controller encountered errors while applying the configuration on the physical disks. The configuration command applied has not taken effect.
Recommended Response Action	Re-issue the failed configuration command or try with a different set of physical disks. Contact technical support if the problem persists.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2401
Server Administrator Trap ID	75400

CTL200

Message	The current firmware version*arg1*is older than the required version*arg2*for*arg3*.
Arguments	• ***arg1*** **=** version number • ***arg2*** **=** version number • ***arg3*** **=** controller name
Detailed Description	The firmware on the controller identified in the message is not a supported version.
Recommended Response Action	Download the supported version from the service provider and install it on the controller.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2131
Server Administrator Trap ID	75300

CTL201

Message	The current driver version*arg1*(*arg2*) is older than the required driver version*arg3*(*arg4*) for*arg5*.
Arguments	• ***arg1*** **=** major verion number • ***arg2*** **=** minor version number • ***arg3*** **=** major version number • ***arg4*** **=** minor version number • ***arg5*** **=** controller name
Detailed Description	The controller driver for the identified controller is not a supported version.
Recommended Response Action	Download the supported version of the driver from the service provider and install it on the operating system.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2132
Server Administrator Trap ID	75300

CTL202

Message	Unable to open the firmware and driver configuration file*arg1*of*arg2*.
Arguments	• ***arg1*** **=** file name • ***arg2*** **=** controller name
Detailed Description	Storage Management is unable to determine whether the system has the minimum required versions of the RAID controller firmware and driver due to one of the following: 1) Incorrect installation directory path to the configuration file. 2) Removed or renamed configuration file.
Recommended Response Action	Reinstall Server Administrator Storage Management software on the operating system.
Category	Storage

SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2165
Server Administrator Trap ID	75300

CTL203

Message	Abort Check Consistency on Error, Copyback or Auto Copyback on Predictive Failure, and Load Balance values are changed for*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The status of the changed attribute values are reported for information purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2219
Server Administrator Trap ID	75100

CTL204

Message	Copyback or Auto Copyback on Predictive Failure and Load Balance values are changed for*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The status of the changed attribute values are reported for information purposes.

Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2220
Server Administrator Trap ID	75100

CTL205

Message	Auto Copyback on Predictive Failure, Abort Check Consistency on Error, and Load Balance values are changed for*arg1*.
Arguments	• ***arg1* =** controller name
Detailed Description	The status of the changed attribute values are reported for information purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2221
Server Administrator Trap ID	75100

CTL206

Message	Abort Check Consistency on Error and Auto Copyback on Predictive Failure values are changed for*arg1*.

Arguments	• ***arg1*** **=** controller name
Detailed Description	The status of the changed attribute values are reported for information purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2227
Server Administrator Trap ID	75100

CTL207

Message	Unable to import the Virtual Disk because the supported limit is exceeded on*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The number of Virtual Disks selected for import has exceeded the supported limit of Virtual Disks on the controller identified in the message.
Recommended Response Action	Make sure that the number of Virtual Disks selected for import is within the supported limit on the controller, and retry the operation
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2372
Server Administrator Trap ID	75100

CTL208

Message	Unable to authenticate the entered passphrase for the*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	Unable to authenticate the entered passphrase.
Recommended Response Action	Enter the correct passphrase and retry.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2392
Server Administrator Trap ID	75300

CTL209

Message	Enabled persistent hot spare on*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The persistent hot spare feature is enabled on the controller identified in the message.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2394

Server Administrator Trap ID	75100

CTL210

Message	Disabled persistent hot spare on*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The persistent hot spare feature is disabled on the controller identified in the message.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2395
Server Administrator Trap ID	75100

CTL211

Message	The*arg1*property changed on*arg2*through Manage Physical Disk Power option.
Arguments	• ***arg1*** **=** property name • ***arg2*** **=** controller name
Detailed Description	The physical disk properties displayed under "Manage Physical Disk Power" option has changed.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)

LCD Message	No LCD message display defined.
Server Administrator Event ID	2398
Server Administrator Trap ID	75100

CTL212

Message	The existing encryption key in the*arg1*is deleted.
Arguments	• ***arg1*** **=** controller name
Detailed Description	This alert is generated when the encryption key in the controller is deleted.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2388
Server Administrator Trap ID	75100

CTL213

Message	The Local Key Management (LKM) is enabled on*arg1*.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The Local Key Management (LKM) security mode is enabled on the controller identified in the message.
Recommended Response Action	No response action is required.
Category	Storage

SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2407
Server Administrator Trap ID	75100

CTL214

Message	The Local Key Management (LKM) encryption key in the*arg1*has changed.
Arguments	• ***arg1*** **=** controller name
Detailed Description	The Local Key Management (LKM) encryption key in the controller identified in the message has changed.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2411
Server Administrator Trap ID	75100

CTL215

Message	Redundant path disconnected on*arg1*.
Arguments	• ***arg1*** **=** Controller Name
Detailed Description	The controller identified in the message has two connectors that are connected to the same enclosure. The communication path on one connector has lost connection with the enclosure. The communication path on the other connector is reporting this loss.

Recommended Response Action	Make sure both the cables are securely attached to the enclosure and controller. FOr more information about connecting the cables to the enclosure, see the Cables Attached Correctly section in the PERC Users Guide. Also, make sure both Enclosure Management Modules (EMMs) are healthy.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2250
Server Administrator Trap ID	75100

CTL216

Message	Redundant path connection is restored on*arg1*.
Arguments	• ***arg1*** **=** Controller Name
Detailed Description	The communication in the redundant path on the connectors of the controller identified in the message is restored.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2253
Server Administrator Trap ID	75100

CTL217

Message	Redundant path view is cleared on*arg1*.
Arguments	• ***arg1*** **=** controller name

Detailed Description	The redundant path view on the controller identified in the message is cleared.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	CTL = Storage Contr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2370
Server Administrator Trap ID	120100

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ENC Event Messages

ENC1

Message	*arg1*was inserted.
Arguments	• ***arg1*** **=** Enclosure Management Module Name
Detailed Description	An Enclosure Management Module (EMM) has failed is inserted into the enclosure.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2296
Server Administrator Trap ID	95100

ENC2

Message	*arg1*was removed..
Arguments	• ***arg1*** **=** Enclosure Management Module Name
Detailed Description	An Enclosure Management Module (EMM) was removed.
Recommended Response Action	Reinsert the Enclosure Management Module (EMM). See the storage hardware documentation for information on replacing the EMM.
Category	Storage
SubCategory	ENC = Storage Enclosr

Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2297
Server Administrator Trap ID	95400

ENC3

Message	*arg1*is shutdown.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	The physical disk enclosure is either hotter or cooler than the maximum or minimum allowable temperature range.
Recommended Response Action	Check for factors that may cause overheating or excessive cooling. For example, verify that the enclosure fan is working. You should also check the thermostat settings and examine whether the enclosure is located near a heat source. Make sure the enclosure has enough ventilation and that the room temperature is not too hot or too cold. Refer to the enclosure documentation for more diagnostic information.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2112
Server Administrator Trap ID	85400

ENC4

Message	*arg1*firmware mismatch.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	The firmware on the EMM modules is not the same version. It is required that both modules have the same version of the firmware. This alert may be caused when you attempt to insert an EMM module that has a different firmware version than an existing module.

Recommended Response Action	Download the same version of the firmware to both EMM modules.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2120
Server Administrator Trap ID	85300

ENC5

Message	Redundancy on*arg1*is degraded
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	One or more of the enclosure components has failed. For example, a fan or power supply may have failed. Although the enclosure is currently operational, the failure of additional components could cause the enclosure to fail.
Recommended Response Action	Identify and replace the failed component. To identify the failed component, select the enclosure in the tree view and click the Health subtab. Any failed component will be identified with a red X on the enclosures Health subtab. Alternatively, you can select the Storage object and click the Health subtab. The controller status displayed on the Health subtab indicates whether a controller has a failed or degraded component. See the enclosure documentation for information on replacing enclosure components and for other diagnostic information.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2122
Server Administrator Trap ID	130500

ENC6

Message	Communication timeout on*arg1*.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	The controller is unable to communicate with an enclosure. There are several reasons for communication loss. For example, there may be a bad or loose cable. An unusual amount of I/O may also interrupt communication with the enclosure. In addition, communication loss may be caused by software, hardware, or firmware problems, bad or failed power supplies, and enclosure shutdown.
Recommended Response Action	Check for problems with the cables. See the Cables attached correctly section for more information on checking the cables. You should also check to see if the enclosure has degraded or failed components. To do this, select the enclosure object in the tree view and click the Health subtab. The Health subtab displays the status of the enclosure components. Verify that the controller has the supported driver and firmware versions installed and that each Enclosure Management Modules (EMMs) are running the same version of supported firmware.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2137
Server Administrator Trap ID	85300

ENC7

Message	The*arg1*alarm was enabled.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	You have enabled the enclosure alarm. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	ENC = Storage Enclosr

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2138
Server Administrator Trap ID	85100

ENC8

Message	The*arg1*alarm was disabled.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	You have disabled the enclosure alarm.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2139
Server Administrator Trap ID	85100

ENC9

Message	The*arg1*asset tag was changed.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	You have changed the enclosure asset tag. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.

Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2151
Server Administrator Trap ID	85100

ENC10

Message	The*arg1*asset name was changed.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	You have changed the enclosure asset name. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2152
Server Administrator Trap ID	85100

ENC11

Message	The*arg1*service tag was changed.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	An enclosure service tag was changed. In most circumstances, this service tag should only be changed by Dell support.

Recommended Response Action	Ensure that the service tag was changed under authorized circumstances.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2153
Server Administrator Trap ID	85100

ENC12

Message	Communication resumed on*arg1*.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	Communication with an enclosure has been restored. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2162
Server Administrator Trap ID	85100

ENC13

Message	Unsupported configuration detected on*arg1.arg2arg3*
Arguments	• ***arg1*** **=** Enclosure Name

- ***arg2*** = EMM0 1
- ***arg3*** = EMM1 2

Detailed Description	An unsupported configuration was detected. The SCSI rate of the Enclosure Management Modules (EMMs) are not the same.
Recommended Response Action	Replace one of the EMMs with the matching SCSI rate EMM.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2173
Server Administrator Trap ID	85300

ENC14

Message	The number of enclosures connected on*arg1*has exceeded the maximum limit supported by the controller.
Arguments	• ***arg1*** = controller name
Detailed Description	There are too many enclosures attached to the controller port. When the enclosure limit is exceeded, the controller loses contact with all enclosures attached to the port. This is an unsupported configuration.
Recommended Response Action	Remove the extra enclosures. Refer to the storage hardware documentation for maximum number of enclosures that can be connected.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2191
Server Administrator Trap ID	85400

ENC15

Message	An enclosure blink operation has initiated on*arg1*.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2259
Server Administrator Trap ID	85100

ENC16

Message	An enclosure blink has ceased on*arg1*.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2260

Server Administrator Trap ID	85100

ENC17

Message	An Enclosure Management Module (EMM) has been discovered on*arg1*.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2291
Server Administrator Trap ID	85100

ENC18

Message	Communication with*arg1*was lost.
Arguments	• ***arg1*** **=** enclosure name
Detailed Description	The controller has lost communication with an Enclosure Management Module (EMM). The cables may be loose or defective.
Recommended Response Action	Make sure the cables are attached securely. See the storage hardware documentation for more information on checking the cables. Reboot the system.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2292
Server Administrator Trap ID	85400

ENC19

Message	*arg1*has failed.
Arguments	• ***arg1*** = Enclosure Management Module Name
Detailed Description	An Enclosure Management Module (EMM) has failed. The failure may be caused by a loss of power to the EMM. The EMM self-test may also have identified a failure. There may also be a firmware problem or a multi-bit error.
Recommended Response Action	Reseat the Enclosure Management Module (EMM). See the storage hardware documentation for information on replacing the EMM. Replace the EMM. Contact technical support if the issue persists.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2293
Server Administrator Trap ID	85400

ENC21

Message	*arg1*has been removed.
Arguments	• ***arg1*** = Enclosure elements name
Detailed Description	A device has been removed and the system is no longer functioning in optimal condition.
Recommended Response Action	Replace the device.
Category	Storage

SubCategory	ENC = Storage Enclosr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2295
Server Administrator Trap ID	85400

ENC22

Message	The*arg1*has a bad sensor*arg2*.
Arguments	• ***arg1*** **=** Enclosure Name • ***arg2*** **=** args
Detailed Description	The enclosure has a bad sensor. The enclosure sensors monitor the fan speeds, temperature probes, and so on.
Recommended Response Action	Refer to the storage hardware documentation for more information.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2298
Server Administrator Trap ID	85300

ENC23

Message	*arg1*Bad PHY*arg2*
Arguments	• ***arg1*** **=** Enclosure Name • ***arg2*** **=** args
Detailed Description	There is a problem with a physical connection or PHY.

Recommended Response Action	Contact the Dell Technical Support at support.dell.com.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2299
Server Administrator Trap ID	85400

ENC24

Message	Communication with*arg1*is intermittent.
Arguments	• ***arg1*** **=** enclosure name
Detailed Description	The controller is not receiving a consistent response from the enclosure. There could be a firmware problem or an invalid cabling configuration. If the cables are too long, they degrade the signal.
Recommended Response Action	Power down all enclosures attached to the system and reboot . If the problem persists, upgrade the firmware to the latest supported version. Verify the cable configuration is valid. See the storage hardware documentation for valid cabling configurations.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2268
Server Administrator Trap ID	10400

ENC25

Message	*arg1*has a hardware error.

Arguments	• ***arg1*** **=** enclosure name
Detailed Description	The enclosure or an enclosure component is in a Failed or Degraded state.
Recommended Response Action	Verify the health of the enclosure and its components. See the storage hardware documentation for more information. Contact technical support.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2301
Server Administrator Trap ID	85400

ENC26

Message	*arg1*is not responding.
Arguments	• ***arg1*** **=** enclosure name
Detailed Description	The enclosure or an enclosure component is in a Failed or Degraded state. It is not responding to storage management commands or there is a connectivity problem between the controller and enclosure.
Recommended Response Action	Verify the health of the enclosure and its components. See the hardware documentation to for more information. Contact technical support.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2302
Server Administrator Trap ID	85400

ENC27

Message	SAS or SATA mixing of physical disks is not supported within the*arg1*.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	The enclosure cannot support both SAS and SATA physical disks. Physical disks may be disabled. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2303
Server Administrator Trap ID	85100

ENC28

Message	Enclosure Management Module (EMM) firmware version mismatch detected in*arg1.arg2arg3*.
Arguments	• ***arg1*** **=** enclosure name • ***arg2*** **=** EMM 0 version • ***arg3*** **=** EMM 1 version
Detailed Description	The firmware on the EMM modules is not the same version. Both modules must have the same firmware version. This message is caused when you attempt to insert an EMM module that has a different firmware version than an existing module.
Recommended Response Action	Upgrade to the same version of the firmware on both EMM modules.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 2 (Warning)

LCD Message	No LCD message display defined.
Server Administrator Event ID	2311
Server Administrator Trap ID	85300

ENC29

Message	*arg1*temperature has returned to normal.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2353
Server Administrator Trap ID	105100

ENC30

Message	*arg1*firmware download is in-progress.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage

SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2354
Server Administrator Trap ID	85100

ENC31

Message	Firmware download on*arg1*has failed.
Arguments	• ***arg1*** = Enclosure Name
Detailed Description	The system was unable to download firmware to the enclosure. The controller may have lost communication with the enclosure. There may have been problems with the data transfer or the download media may be corrupt.
Recommended Response Action	Attempt to download the enclosure firmware again. If problems continue, verify that the controller can communicate with the enclosure. Make sure that the enclosure is powered ON. Refer to the storage hardware documentation for information on checking the cables.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2355
Server Administrator Trap ID	85300

ENC32

Message	Storage Enclosure Processor (SEP) for*arg1*has been rebooted.
Arguments	• ***arg1*** = Enclosure Name
Detailed Description	The SEP has been rebooted as part of the firmware download operation and will be unavailable until the operation completes.

Recommended Response Action	No response action is required.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2368
Server Administrator Trap ID	85100

ENC33

Message	Redundancy on*arg1*is normal.
Arguments	• ***arg1*** **=** Enclosure Name
Detailed Description	Data redundancy has been restored to an enclosure that previously suffered a loss of redundancy.
Recommended Response Action	This alert is provided for informational purposes.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2124
Server Administrator Trap ID	130400

ENC40

Message	A new enclosure was detected on*arg1*.
Arguments	• ***arg1*** **=** controller name

Detailed Description	The controller detected a new enclosure. This is due either to a hot plug of an enclosure, or a power state change of an enclosure. In addition, this message is generated if the daisy chain order of the enclosures changes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2190
Server Administrator Trap ID	75100

ENC100

Message	*arg1*is sending inconsistent reponses to the controller.
Arguments	• ***arg1* =** enclosure name
Detailed Description	The storage controller is not receiving a consistent response from the enclosure due to a firmware problem or an incorrect cabling configuration. If the cables are longer than the specified maximum length, the signals may be degraded.
Recommended Response Action	Turn off all the enclosures attached to the system, check if the cable configurations are correct. and reboot the system. If the problem persists, update the enclosure firmware to the latest supported version. Download the latest supported version of the firmware from the service provider. For more information about cable configuration, see storage enclosure documentation.
Category	Storage
SubCategory	ENC = Storage Enclosr
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2300
Server Administrator Trap ID	85400

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FAN Event Messages

FAN0020

Message	The*arg1*is non-functional.
Arguments	• ***arg1*** **=** fan name
Detailed Description	The fan identified in the message has failed or it is not installed correctly.
Recommended Response Action	Remove and re-install the fan or replace the fan, and open the OMSA Web interface to verify if the fan specified in the message is displayed correctly. If the issue persists, contact your service provider.
Category	System Health
SubCategory	FAN = Fan Event
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5300
Server Administrator Trap ID	

FAN0021

Message	*arg1*is offline.
Arguments	• ***arg1*** **=** fan name
Detailed Description	The fan identified in the meesage is removed. However, the fan may be required for optimal system performance.
Recommended Response Action	Re-install the fan, and open the OMSA Web interface to verify if the fan identified in the message is displayed correctly. If the issue persists, contact your service provider.
Category	System Health
SubCategory	FAN = Fan Event

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5303
Server Administrator Trap ID	

FAN0022

Message	The*arg1*sensor has failed, and the last recorded value by the sensor was*arg2*RPM.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** fan speed
Detailed Description	The sensor identified in the message has failed. The sensor may be required for optimal system performance.
Recommended Response Action	Check the Embedded System Management (ESM) Log for any sensor related faults. If the fan sensor has failed, replace the system board. For more information, contact your service provider.
Category	System Health
SubCategory	FAN = Fan Event
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5100
Server Administrator Trap ID	

FAN0024

Message	The*arg1*sensor returned to a normal state with a value of*arg2*RPM.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** fan speed
Detailed Description	The sensor identified in the message has returned to a normal state.

Recommended Response Action	No response action is required.
Category	System Health
SubCategory	FAN = Fan Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5102
Server Administrator Trap ID	5102

FAN0025

Message	The*arg1*sensor state has changed to a warning state with a value of*arg2*RPM.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** fan speed
Detailed Description	The fan identified in the message is not functioning correctly. The fan may be installed incorrectly or may be failing.
Recommended Response Action	Remove and re-install the fan, or replace the fan. If the issue persists, contact your service provider.
Category	System Health
SubCategory	FAN = Fan Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5103
Server Administrator Trap ID	5103

FAN0026

Message	The*arg1*sensor detected an error with a value of*arg2*RPM.

Arguments	• ***arg1*** = sensor name • ***arg2*** = fan speed
Detailed Description	The fan sensor identified in the message indicates that the related fan has exceeded critical RPM thresholds..
Recommended Response Action	Remove and re-install the fan, or replace the fan with a new fan. If the issue persists, contact your service provider.
Category	System Health
SubCategory	FAN = Fan Event
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5104
Server Administrator Trap ID	5104

FAN0027

Message	The*arg1*sensor has failed with a value of*arg2*RPM.
Arguments	• ***arg1*** = sensor name • ***arg2*** = fan speed
Detailed Description	The sensor identified in the message has failed. The sensor may be required for optimal system performance.
Recommended Response Action	Check the Embedded System Management (ESM) Log for any sensor related faults.If the fan sensor has failed, replace the system board. For more information, contact your service provider.
Category	System Health
SubCategory	FAN = Fan Event
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5105
Server Administrator Trap ID	5105

FAN0023

Message	Unable to read the*arg1*sensor value.
Arguments	• ***arg1*** **=** sensor name
Detailed Description	The fan sensor identified in the message has failed or the fan has failed.
Recommended Response Action	Do the following: 1) Remove the old fan, install a new fan and power cycle the system to check if the fan is working properly, 2) Replace the system board if the fan sensor has failed. 3) If the issue persists, contact your service provider.
Category	System Health
SubCategory	FAN = Fan Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5101
Server Administrator Trap ID	

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FLDC Event Messages

FLDC1001

Message	The journal mirror at path =*arg1*is available.
Arguments	• ***arg1*** **=** World Wide Name
Detailed Description	The entry in the journal for the device identified in the message with the WWN (World Wide Name) is available.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2700
Server Administrator Trap ID	160100

FLDC1002

Message	The following journal mirror is being replaced: File Path Name =*arg1*.
Arguments	• ***arg1*** **=** file path
Detailed Description	The journal mirror at the reported file path is being replaced. This event is a notification that the journal mirror replacement is now complete.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2701
Server Administrator Trap ID	160100

FLDC1003

Message	Cache flushing has started for the virtual disk with WWN =*arg1*and path =*arg2*.
Arguments	• ***arg1*** **=** World Wide Name • ***arg2*** **=** device pathname
Detailed Description	The cache flushing operation has started for the virtual disk identified in the message.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2875
Server Administrator Trap ID	90100

FLDC1004

Message	Cache flushing has completed for the virtual disk with WWN =*arg1*and path =*arg2*.
Arguments	• ***arg1*** **=** World Wide name • ***arg2*** **=** device pathname
Detailed Description	The cache flushing operation has completed for the virtual disk identified in the message.

Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2876
Server Administrator Trap ID	90100

FLDC1006

Message	The cache device*arg1*with WWN =*arg2*and path =*arg3*is registered.
Arguments	• ***arg1*** **=** physical disk name • ***arg2*** **=** World Wide Name • ***arg3*** **=** device pathname
Detailed Description	The cache device identified in the message is registered by the Fluid Cache.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2903
Server Administrator Trap ID	90100

FLDC1007

Message	The cache device*arg1*with WWN =*arg2*and path =*arg3*is removed.

Arguments	• ***arg1*** = physical disk Name • ***arg2*** = World Wide Name • ***arg3*** = device pathname
Detailed Description	The cache device identified in the message is removed from the Fluid Cache configuration.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2904
Server Administrator Trap ID	90100

FLDC1008

Message	The cache device*arg1*with WWN =*arg2*and path =*arg3*is being removed.
Arguments	• ***arg1*** = physical disk Name • ***arg2*** = World Wide Name • ***arg3*** = device pathname
Detailed Description	The cache device identified in the message is being removed from the Fluid Cache configuration.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2905

Server Administrator Trap ID	90100

FLDC1009

Message	Caching is being removed for the*arg1*with WWN =*arg2*and path =*arg3*.
Arguments	• ***arg1*** **=** virtual disk name • ***arg2*** **=** World Wide Name • ***arg3*** **=** device pathname
Detailed Description	Caching is being removed for the virtual disk identified in the message.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2906
Server Administrator Trap ID	120100;150100

FLDC1010

Message	Caching is enabled on the*arg1*with wwn =*arg2*and path =*arg3*.
Arguments	• ***arg1*** **=** virtual disk name • ***arg2*** **=** World Wide Name • ***arg3*** **=** device pathname
Detailed Description	Caching is enabled on the virtual disk identified in the message.
Recommended Response Action	No response action is required.
Category	Storage

SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2907
Server Administrator Trap ID	120100;150100

FLDC1012

Message	Caching is disabled for the*arg1*with WWN =*arg2*and path =*arg3*.
Arguments	• ***arg1*** **=** virtual disk name • ***arg2*** **=** World Wide Name • ***arg3*** **=** device pathname
Detailed Description	The operation to disable caching is successful. Caching is disabled for the virtual disk identified in the message.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2910
Server Administrator Trap ID	120100;150100;160100

FLDC1013

Message	The cached LUN with WWN =*arg1*and path =*arg2*for*arg3*has had a failure.
Arguments	• ***arg1*** **=** World Wide Name • ***arg2*** **=** device pathname • ***arg3*** **=** virtual disk name

Detailed Description	The cached LUN identified in the message has had a failure to successfully perform a read or write operation. The user application should now be seeing I/O failures when trying to read or write to the Fluid Cache device at the path identified in the message.
Recommended Response Action	Contact your service provider to diagnose the cause and assist in recovery process.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2911
Server Administrator Trap ID	140400

FLDC1014

Message	Replication of the cache device*arg1*with WWN =*arg2*and path =*arg3*is complete.
Arguments	• ***arg1*** **=** physical device name • ***arg2*** **=** World Wide Name • ***arg3*** **=** device pathname
Detailed Description	Replication of the cache device identified in the message is complete.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2912
Server Administrator Trap ID	90100

FLDC1015

Message	Recovery of the cache device*arg1*with wwn =*arg2*and path =*arg3*is complete.
Arguments	• ***arg1*** **=** physical disk name • ***arg2*** **=** World Wide Name • ***arg3*** **=** device pathnameh
Detailed Description	The recovery of the cache device identified in the message complete.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2913
Server Administrator Trap ID	90100

FLDC1016

Message	A valid permanent license is installed for Fluid Cache.
Detailed Description	A valid permanent license is installed for Fluid Cache.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2914

Server Administrator Trap ID	160100

FLDC1017

Message	A license has been installed for Fluid Cache.
Detailed Description	A license has been installed for Fluid Cache.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2920
Server Administrator Trap ID	160100

FLDC1018

Message	A license has been removed for Fluid Cache.
Detailed Description	A license has been removed for Fluid Cache.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2921

Server Administrator Trap ID	160100

FLDC1019

Message	All cache devices have been found and registered for Fluid Cache.
Detailed Description	All cache devices have been found and registered for Fluid Cache.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2924
Server Administrator Trap ID	160100

FLDC1020

Message	The storage device with WWN =*arg1*and path =*arg2*is in unknown state.
Arguments	• ***arg1*** **=** wwn name • ***arg2*** **=** path name
Detailed Description	The storage device identified in the message is in unknown state.
Recommended Response Action	Service is required. Contact your service provider.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2909
Server Administrator Trap ID	120300;150300

FLDC1021

Message	The journal mirror entry with WWN =*arg1*is not accessible.
Arguments	• ***arg1* =** World Wide Name
Detailed Description	The device identified in the message having the journal mirror entry with given WWN (World Wide Name) is not accessible. A portion of an SSD is used for journal content. To assure consistnecy, the journal content is written into two other SSDs. These copies are journal mirrors. If the journal content cannot be written to any of the journal mirrors, then this event is signaled. It is a warning because the FLDC code will then attempt to choose another SSD to be a journal mirror.
Recommended Response Action	No response action is required..
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2702
Server Administrator Trap ID	160300

FLDC1022

Message	The associated server of the Cache Device*arg1*with WWN =*arg2*is not configured.
Arguments	• ***arg1* =** physical disk name • ***arg2* =** World Wide Name
Detailed Description	The cache device identified in the message with given WWN does not exist in the Fluid Cache configuration.

Recommended Response Action	To identify the cause of the configuration inconsistency, contact your service provider.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2874
Server Administrator Trap ID	90300

FLDC1023

Message	Fluid Cache is running on an evaluation license and the evaluation license expires in*arg1*days.
Arguments	• ***arg1*** **=** days
Detailed Description	Fluid Cache is currently running on an evaluation license and the evaluation license expires in the number of days identified in message.
Recommended Response Action	A permanent license for Fluid Cache should be purchased for continued service.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2916
Server Administrator Trap ID	160100

FLDC1024

Message	Caching was enabled in write-back mode, but it is currently operating in write-through mode.

Detailed Description	Caching was enabled in write-back mode but currently it is operating in write-through mode because the fluid Cache Pool has one PCIe-SSD.
Recommended Response Action	Add another PCIe SSD device to the Fluid Cache Pool to resolve the issue.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2930
Server Administrator Trap ID	120300;150300

FLDC1025

Message	Caching was enabled in write-back or write-through mode, it is currently operating in pass-through mode.
Detailed Description	Caching was enabled in write-back mode or write through mode, but currently it is operating in write-through mode because fluid Cache Pool has no PCIe-SSD device.
Recommended Response Action	Add another PCIe SSD device to the Fluid Cache Pool to resolve the issue.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2931
Server Administrator Trap ID	160300

FLDC1026

Message	Caching is no longer degraded to write-through mode and is now operating in write-back mode for Fluid Cache.

Detailed Description	The caching mode has been restored back to write-back mode due to the availability of additional PCIeSSD devices in the Fluid Cache configuration.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2932
Server Administrator Trap ID	120300;150300

FLDC1027

Message	Caching is no longer degraded to pass-through mode and is now operating in its configured mode for Fluid Cache.
Detailed Description	The caching mode has been restored back to the configured mode due to the availability of additional PCIeSSD devices in the Fluid Cache configuration.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2933
Server Administrator Trap ID	120300;150300

FLDC1028

Message	OMSS Connection to Fluid Cache service is no longer present.

Detailed Description	The communications connnection between OMSS and the Fluid Cache service is no longer present.
Recommended Response Action	To reconnect OMSS to the Fluid Cache service: 1) Verify the Fluid Cache service is running. To verify the service run the following command: "fldc --status". 2) Re-establish the connect by running the following command: :"omconfig storage fluidcache action=connect"
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2699
Server Administrator Trap ID	160400

FLDC1029

Message	There are not enough journal mirrors available for Fluid Cache to operate.
Detailed Description	The message indicates that there are not enough journal mirrors available for Fluid Cache to operate. Make sure that there are at least two journal mirrors that are accessible. Activate either one or more failed cache devices or use the fldc_restore utility to rebuild the node.
Recommended Response Action	Contact your service provider to diagnose the cause and assist in recovery process.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2703
Server Administrator Trap ID	160400

FLDC1030

Message	The cluster ID in the journal does not match the cluster ID in the configuration file for Fluid Cache.
Detailed Description	An Inconsistency was found in Fluid Cache configuration data.
Recommended Response Action	Service is required. Contact your service provider.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2704
Server Administrator Trap ID	160400

FLDC1031

Message	The journal could not be read or written to for Fluid Cache.
Detailed Description	Unable to access redundant Fluid Cache configuration information.
Recommended Response Action	Service is required. Contact your service provider.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2705
Server Administrator Trap ID	160400

FLDC1032

Message	The cache device with WWN =*arg1*and path =*arg2*is no longer functional.
Arguments	• ***arg1* =** wwn name • ***arg2* =** path name
Detailed Description	The PCIeSSD cache device identified in the message is no longer functional.
Recommended Response Action	Replace the non-functional PCIe SSD.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2900
Server Administrator Trap ID	90400

FLDC1033

Message	The storage device WWN =*arg1*and path =*arg2*is either inaccessible or no longer functional.
Arguments	• ***arg1* =** wwn name • ***arg2* =** path name
Detailed Description	The message indicates that the storage device is either inaccessible or is no longer functional.
Recommended Response Action	If the virtual disk is inaccessible, restore accessibility by bringing the virtual disk back online. After the virtual disk is accessible, run the following command to reactivate disk, "omconfig storage vdisk action=reactivate controller=id vdisk=id devicename=<string>". If the device is no longer functional, replace it.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2901
Server Administrator Trap ID	120400;150400

FLDC1034

Message	A valid license is not installed for Fluid Cache.
Detailed Description	A valid license is not installed for Fluid Cache.
Recommended Response Action	Install a valid Fluid Cache license. For more information, contact your service provider.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2915
Server Administrator Trap ID	160400

FLDC1035

Message	Configuration changes are not allowed, because Fluid cache is running on an expired evaluation licesnse (Expired days:*arg1*).
Arguments	• ***arg1*** **=** number of days
Detailed Description	Configuration changes are not allowed because Fluid Cache is running on an expired evaluation license. The message also indicates the number of days that Fluid Cache has been running with an expired license (maximum 30 days after expiration are allowed).
Recommended Response Action	Install a valid Fluid Cache license. For more information, contact your service provider.
Category	Storage
SubCategory	FLDC = Unknown

Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2917
Server Administrator Trap ID	160400

FLDC1036

Message	Caching functionality is disabled because Fluid cache is running on an expired evaluation license (Expired days:*arg1*).
Arguments	• ***arg1*** **=** number of days
Detailed Description	Caching functionality is disabled because Fluid cache is running on an expired evaluation license. The message also indicates the number of days that Fluid Cache has been running with an expired license (maximum 30 days after expiration are allowed).
Recommended Response Action	Install a permanent Fluid Cache license.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2918
Server Administrator Trap ID	160400

FLDC1037

Message	Configuration changes are disabled, because Fluid cache is running on an expired or invalid license.
Detailed Description	Configuration changes are disabled, because Fluid cache is running on an expired or invalid license.

Recommended Response Action	Install a permanent Fluid Cache license.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2919
Server Administrator Trap ID	160400

FLDC1038

Message	There is not enough memory capacity to run necessary services for Fluid Cache.
Detailed Description	There is not enough memory capacity to run necessary services for Fluid Cache.
Recommended Response Action	The minimum memory required to run Fluid Cache for DAS is 16 GB. For optimum operation, recommendation is to install 32 GB of RAM.
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2922
Server Administrator Trap ID	160400

FLDC1039

Message	One or more cache devices are missing, resulting in Fluid Cache to be unresponsive.
Detailed Description	One or more cache devices are missing and the cache is unresponsive.

Recommended Response Action	Insert the missing cache device. If the cache device was unplugged, reactivate it. Reactivate a cache device by running the following command: "omconfig storage pciessd action=reactivate subsystem=id pciedevice=<PDISKID>"
Category	Storage
SubCategory	FLDC = Unknown
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2923
Server Administrator Trap ID	160400

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HWC Event Messages

HWC8000

Message	Unknown device plug event occurred at this location:*arg1*. Additional Details:*arg2*.
Arguments	• ***arg1*** **=** device location • ***arg2*** **=** details
Detailed Description	An unknown device plug event occurred at the identified device location. Along with the device location, additional event details are provided if available.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	HWC = Hardware Config
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5650
Server Administrator Trap ID	

HWC8001

Message	A device was added to the system at this location:*arg1*. Additional Details:*arg2*.
Arguments	• ***arg1*** **=** device location • ***arg2*** **=** details
Detailed Description	A device was added to the system at the location identified in the message. Along with the device location, additional event details are provided if available.
Recommended Response Action	No response action is required.

Category	Audit
SubCategory	HWC = Hardware Config
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5651
Server Administrator Trap ID	5651

HWC8002

Message	The device was removed from the system at this location:*arg1*. Additional Details:*arg2*.
Arguments	• ***arg1*** **=** device location • ***arg2*** **=** details
Detailed Description	A device was was removed from the system at the location identified in the message. Along with the device location, additional event details are provided if available.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	HWC = Hardware Config
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5652
Server Administrator Trap ID	5652

HWC8003

Message	A configuration error was detected in the device located here:*arg1*. Additional Details:*arg2*.
Arguments	• ***arg1*** **=** device location

- ***arg2*** = details

Detailed Description	A configuration error was detected for a pluggable device installed at the location identified in the message. The device may not be installed correctly.
Recommended Response Action	Reinsert the device or try inserting a different device of the same type and retry the operation. If the issue persists, check the system documentation to make sure the device is supported or contact your service provider.
Category	Audit
SubCategory	HWC = Hardware Config
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5653
Server Administrator Trap ID	5653

HWC8004

Message	The SD card device sensor has failed. SD card location:*arg1*, SD card device type:*arg2*, SD card state:*arg3*.
Arguments	• ***arg1*** = location • ***arg2*** = type • ***arg3*** = state
Detailed Description	The SD card device sensor of the type identified in the messaage has failed. The current status of the SD card is also displayed.
Recommended Response Action	Reinsert the SD card or try a different SD card and retry the operation. If the issue persists, do one of the following to resolve the error: 1) If the SD card sensor is installed on the internal SD module, replace the module. 2) If the SD card sensor is embedded on the system board, replace the system board. . For more information, contact your service provider.
Category	System Health
SubCategory	HWC = Hardware Config
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5750

Server Administrator Trap ID	

HWC8005

Message	The SD card device has returned to normal state. SD card location:*arg1*, SD card device type:*arg2*, SD card state:*arg3*.
Arguments	• ***arg1*** = location • ***arg2*** = type • ***arg3*** = state
Detailed Description	The SD card device has returned to a normal state. The SD card type and the current status of the SD card is also displayed.
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	HWC = Hardware Config
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5752
Server Administrator Trap ID	

HWC8006

Message	The SD card device state has changed to a warning state. SD card location:*arg1*, SD card device type:*arg2*, SD card state:*arg3*.
Arguments	• ***arg1*** = location • ***arg2*** = type • ***arg3*** = state
Detailed Description	The SD card device is not functioning correctly, and its state has changed to a warning state.
Recommended Response Action	Reinsert the SD card or try a different SD card and retry the operation. If the issue persists, do one of the following to resolve the error: 1) If the SD card sensor is installed on the internal SD module, replace the module. 2) If the SD card sensor is

	embedded on the system board, replace the system board. . For more information, contact your service provider.
Category	System Health
SubCategory	HWC = Hardware Config
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5753
Server Administrator Trap ID	5753

HWC8007

Message	The SD card has failed. SD card location:*arg1*, SD card device type:*arg2*, SD card state:*arg3*.
Arguments	• ***arg1*** **=** location • ***arg2*** **=** type • ***arg3*** **=** state
Detailed Description	The SD card sensor detected an SD card failure.
Recommended Response Action	Replace the old SD card with a new SD card.
Category	System Health
SubCategory	HWC = Hardware Config
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5754
Server Administrator Trap ID	5754

HWC8008

Message	The SD card has failed. SD card location:*arg1*, SD card device type:*arg2*, SD card state:*arg3*.

Arguments	• ***arg1*** = location • ***arg2*** = type • ***arg3*** = state
Detailed Description	An SD card device sensor has detected an irrecoverable error in the SD card.
Recommended Response Action	Replace the old SD card with a new SD card.
Category	System Health
SubCategory	HWC = Hardware Config
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5755
Server Administrator Trap ID	

HWC8009

Message	SD card device sensor value unknown. SD card location:*arg1*, SD card device type:*arg2*, SD card state:*arg3*.
Arguments	• ***arg1*** = location • ***arg2*** = type • ***arg3*** = state
Detailed Description	An SD card device sensor in the identified system could not obtain a reading.
Recommended Response Action	Remove and reinsert the identified SD card.
Category	System Health
SubCategory	HWC = Hardware Config
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5751

Server
Administrator
Trap ID

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LOG Event Messages

LOG320

Message	Log monitoring is disabled. Log type:*arg1*.
Arguments	• ***arg1*** **=** log type
Detailed Description	The hardware log in the system is disabled. The log type information is provided.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	LOG = Log event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5550
Server Administrator Trap ID	

LOG321

Message	The log status is unknown. Log type:*arg1*.
Arguments	• ***arg1*** **=** log type
Detailed Description	The hardware log may not be up-to-date. The log type information is provided.
Recommended Response Action	Make sure that iDRAC is functioning correctly.
Category	System Health
SubCategory	LOG = Log event

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5551
Server Administrator Trap ID	

LOG322

Message	The log size is no longer near the maximum capacity. Log type:*arg1*.
Arguments	• ***arg1*** **=** log type
Detailed Description	The hardware log in the system is no longer near its maximum capacity. The log type information is provided.
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	LOG = Log event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5552
Server Administrator Trap ID	5552

LOG323

Message	The log size is near maximum capacity. Log type:*arg1*.
Arguments	• ***arg1*** **=** log type
Detailed Description	The size of a hardware log in the system is near its maximum capacity. The log type information is provided.
Recommended Response Action	Clear the log to make sure new entries are recorded.

Category	System Health
SubCategory	LOG = Log event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5553
Server Administrator Trap ID	5553

LOG324

Message	The log size has reached its maximum capacity. Log type:*arg1*.
Arguments	• ***arg1*** **=** log type
Detailed Description	The size of a hardware log in the system has reached its maximum capacity. The log type information is provided.
Recommended Response Action	Clear the log to make sure new entries are recorded.
Category	System Health
SubCategory	LOG = Log event
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5554
Server Administrator Trap ID	5554

LOG325

Message	Unable to receive any log entries. Log type:*arg1*.
Arguments	• ***arg1*** **=** log type
Detailed Description	Unable to receive any log entries, and therefore log status cannot be monitored. The log type information is provided.

Recommended Response Action	Make sure that iDRAC is functioning correctly.
Category	System Health
SubCategory	LOG = Log event
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5555
Server Administrator Trap ID	

LOG326

Message	The Alert Log was cleared.
Detailed Description	The Alert Log was cleared.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	LOG = Log event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

LOG327

Message	An Alert Log backup was created.
Detailed Description	An Alert Log backup was created.

Recommended Response Action	No response action is required.
Category	Audit
SubCategory	LOG = Log event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

LOG328

Message	The Server Based Management Mode is enabled.
Detailed Description	The Server Based Management Mode is enabled. Chassis based PSUs, fans, and sensor information can be displayed from server based system management tools.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	LOG = Log event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

LOG329

Message	The Server Based Management Mode is disabled.
Detailed Description	The Server Based Management Mode is disabled. Chassis based PSUs, fans, and sensor information will not be displayed from server based system management tools.

Recommended Response Action	No response action is required.
Category	Audit
SubCategory	LOG = Log event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

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MEM Event Messages

MEM6000

Message	Memory device monitoring is disabled.
Detailed Description	The memory module may not be correctly seated, wrongly configured, or has failed.
Recommended Response Action	Review the Embedded System Management (ESM) Log for memory exceptions. Re-install the memory modules.
Category	System Health
SubCategory	MEM = Memory
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5400
Server Administrator Trap ID	

MEM6001

Message	Memory device status is unknown. Memory device location:*arg1*, Possible memory module event cause:*arg2*.
Arguments	• ***arg1*** = location • ***arg2*** = cause
Detailed Description	The memory module may not be correctly seated, wrongly configured, or has failed.
Recommended Response Action	Review the Embedded System Management (ESM) Log for memory exceptions. Re-install the memory modules at the identified location .
Category	System Health
SubCategory	MEM = Memory

Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5401
Server Administrator Trap ID	

MEM6002

Message	Memory device status is normal. Memory device location:*arg1*.
Arguments	• ***arg1*** **=** location
Detailed Description	The memory device identified in the message has returned to a normal state.
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	MEM = Memory
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5402
Server Administrator Trap ID	5402

MEM6003

Message	Memory device status is non-critical. Memory device location:*arg1,* Possible memory module event cause:*arg2*.
Arguments	• ***arg1*** **=** location • ***arg2*** **=** cause
Detailed Description	The memory module may not be correctly seated, wrongly configured, or has failed.

Recommended Response Action	Review the Embedded System Management (ESM) Log for memory exceptions. Re-install the memory modules at the identified location .
Category	System Health
SubCategory	MEM = Memory
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5403
Server Administrator Trap ID	5403

MEM6004

Message	Memory device status is critical. Memory device location:*arg1*, Possible memory module event cause:*arg2*.
Arguments	• ***arg1*** **=** location • ***arg2*** **=** cause
Detailed Description	The memory module may not be correctly seated, wrongly configured, or has failed.
Recommended Response Action	Review the Embedded System Management (ESM) Log for memory exceptions. Re-install the memory modules at the identified location .
Category	System Health
SubCategory	MEM = Memory
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5404
Server Administrator Trap ID	5404

MEM6005

Message	Memory device has failed. Memory device location:*arg1*, Possible memory module event cause:*arg2*.

Arguments	• ***arg1*** = location • ***arg2*** = cause
Detailed Description	The memory module failed because of an irrecoverable error.
Recommended Response Action	Review the Embedded System Management (ESM) Log for memory exceptions. Remove the old memory module and install a new memory module at the identified location .
Category	System Health
SubCategory	MEM = Memory
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5405
Server Administrator Trap ID	5405

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PDR Event Messages

PDR1

Message	*arg1*copyback stopped for rebuild.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This message is generated after a copyback stops on a physical disk during a rebuild operation.
Recommended Response Action	Wait for rebuild to finish, then copyback should resume.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2197
Server Administrator Trap ID	90300

PDR2

Message	Insufficient space available on*arg1*to perform a copyback operation.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This message is generated if a physical disk does not have enough space to do a copyback operation.
Recommended Response Action	Replace the physical disk with a larger physical disk, and then restart the copyback operation.
Category	Storage
SubCategory	PDR = Physical Disk

Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2198
Server Administrator Trap ID	90300

PDR5

Message	*arg1*is removed.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	A physical disk has been removed from the disk group. This alert can also be caused by loose or defective cables or by problems with the enclosure.
Recommended Response Action	Do one of the following: 1) If a physical disk was removed from the disk group, either replace the disk or restore the original disk. Identify the disk that was removed by locating the disk that has a red "X" for its status. 2) Perform a rescan after replacing or restoring the disk. 3) If a disk was not removed from the disk group, then check for cable problems. Refer to product documentation for more information on checking the cables. 4) Make sure that the enclosure is powered on. 5) If the problem persists, check the enclosure documentation for further diagnostic information.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2049
Server Administrator Trap ID	90300

PDR6

Message	*arg1*is offline.
Arguments	• ***arg1*** **=** physical disk

Detailed Description	A physical disk in the virtual disk is offline. This may have been user initiated.
Recommended Response Action	Force the physical disk online or assign a hot spare to the virtual disk.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2050
Server Administrator Trap ID	90300

PDR7

Message	*arg1*has degraded.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	A physical disk has reported an error condition and may be degraded. The physical disk may have reported the error condition in response to a check consistency or other operation.
Recommended Response Action	Replace the degraded physical disk. Identify the disk that is degraded by locating the disk that has a red "X" for its status. Perform a rescan after replacing the disk.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2051
Server Administrator Trap ID	90300

PDR8

Message	*arg1*is inserted.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2052
Server Administrator Trap ID	90100

PDR9

Message	Initialization has started on*arg1*.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2062

Server Administrator Trap ID	90100

PDR10

Message	*arg1*rebuild has started.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This message is generated after a rebuild starts on a physical disk.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2065
Server Administrator Trap ID	90100

PDR11

Message	*arg1*rebuild was cancelled.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	A user has cancelled the rebuild operation.
Recommended Response Action	Restart the rebuild operation.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2074
Server Administrator Trap ID	90100

PDR12

Message	*arg1*initialization has failed.
Arguments	• ***arg1*** = PD Name
Detailed Description	The physical disk has failed or is corrupt.
Recommended Response Action	Replace the failed or corrupt disk. Identify a disk that has failed by locating the disk that has a red "X" for its status. Restart the initialization.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2080
Server Administrator Trap ID	90400

PDR13

Message	*arg1*rebuild has failed.
Arguments	• ***arg1*** = physical disk
Detailed Description	A physical disk included in the virtual disk has failed or is corrupted. In addition, you may have cancelled the rebuild.
Recommended Response Action	Replace the failed or corrupt disk, and then start the rebuild operation.
Category	Storage
SubCategory	PDR = Physical Disk

Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2083
Server Administrator Trap ID	90400

PDR14

Message	*arg1*initialization is complete.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2089
Server Administrator Trap ID	90100

PDR15

Message	*arg1*rebuild is complete.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This message is generated after a rebuild completes on a physical disk.
Recommended Response Action	No response action is required.

Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2092
Server Administrator Trap ID	90100

PDR16

Message	Predictive failure reported for*arg1*.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	The physical disk is predicted to fail. Many physical disks contain Self Monitoring Analysis and Reporting Technology (SMART). When enabled, SMART monitors the disk health based on indications such as the number of write operations that were performed on the disk.
Recommended Response Action	Replace the physical disk. Even though the disk may not have failed yet, it is strongly recommended that the disk be replaced. Review other messages for additional information.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2094
Server Administrator Trap ID	90300

PDR17

Message	Global hot spare assigned to*arg1*.
Arguments	• ***arg1*** **=** PD Name

Detailed Description	A user has have assigned a physical disk as a global hot spare. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2098
Server Administrator Trap ID	90100

PDR18

Message	Global hot spare unassigned from*arg1*.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	A physical disk assigned as a hot spare was unassigned and is no longer functioning as a hot spare. The physical disk was unassigned by a user or automatically unassigned by Storage Management. Storage Management unassigns hot spares were used to rebuild data. Once the data is rebuilt onto the hot spare, the hot spare becomes a member of the virtual disk and is no longer assigned as a hot spare. Assign a new hot spare to maintain data protection in this situation.
Recommended Response Action	Although this alert is provided for informational purposes, you may need to assign a new hot spare to the virtual disk. See Protecting Your Virtual Disk with a Hot Spare for more information.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2099
Server Administrator Trap ID	90100

PDR19

Message	SMART FPT exceeded for*arg1*.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	A disk on the specified controller has received a SMART alert (predictive failure) indicating that the disk is likely to fail in the near future.
Recommended Response Action	Replace the disk that has received the SMART alert. If the physical disk is a member of a non-redundant virtual disk, then back up the data before replacing the disk. Removing a physical disk that is included in a non-redundant virtual disk causes the virtual disk to fail and may cause data loss.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2106
Server Administrator Trap ID	90300

PDR20

Message	SMART configuration change for*arg1*.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	A disk has received a SMART alert (predictive failure) after a configuration change. The disk is likely to fail in the near future.
Recommended Response Action	Replace the disk that has received the SMART alert. If the physical disk is a member of a non-redundant virtual disk, then back up the data before replacing the disk. Removing a physical disk that is included in a non-redundant virtual disk will cause the virtual disk to fail and may cause data loss.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2107
Server Administrator Trap ID	90400

PDR21

Message	SMART warning for*arg1*
Arguments	• ***arg1*** = PD Name
Detailed Description	A disk has received a SMART alert (predictive failure). The disk is likely to fail in the near future.
Recommended Response Action	Replace the disk that has received the SMART alert. If the physical disk is a member of a non-redundant virtual disk, then back up the data before replacing the disk. Removing a physical disk that is included in a non-redundant virtual disk will cause the virtual disk to fail and may cause data loss.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2108
Server Administrator Trap ID	90300

PDR22

Message	SMART warning temperature for*arg1*
Arguments	• ***arg1*** = PD Name
Detailed Description	A disk has reached an unacceptable temperature and received a SMART alert (predictive failure). The disk is likely to fail in the near future.
Recommended Response Action	Do the following: 1) Determine why the physical disk reached an unacceptable temperature. For example, a fan failure, incorrect thermostat settings, or the room temperature may be too hot or cold. 2) Verify that the fans in the server or enclosure are working. 3) If the physical disk is in an enclosure, check the thermostat settings and examine whether the enclosure is located near a heat source. Verify the enclosure has enough ventilation and that the room temperature

	is not too hot. Refer to the enclosure documentation for more diagnostic information. 4) If you cannot identify why the disk has reached an unacceptable temperature, then replace the disk. If the physical disk is a member of a non-redundant virtual disk, then back up the data before replacing the disk. Removing a physical disk that is included in a non-redundant virtual disk causes the virtual disk to fail and may cause data loss.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2109
Server Administrator Trap ID	90300

PDR23

Message	SMART warning degraded for*arg1*
Arguments	• ***arg1*** **=** PD Name
Detailed Description	A disk is degraded and has received a SMART alert (predictive failure). The disk is likely to fail in the near future.
Recommended Response Action	Replace the disk that has received the SMART alert. If the physical disk is a member of a non-redundant virtual disk, then back up the data before replacing the disk. Removing a physical disk that is included in a non-redundant virtual disk will cause the virtual disk to fail and may cause data loss.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2110
Server Administrator Trap ID	90300

PDR24

Message	Failure prediction threshold exceeded on*arg1*due to test. No action needed.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	A disk has received a SMART alert (predictive failure) due to test conditions.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2111
Server Administrator Trap ID	90300

PDR25

Message	*arg1*dead segments are removed.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	Portions of the physical disk that were formerly inaccessible have been recovered. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2141

Server Administrator Trap ID	90100

PDR26

Message	*arg1*is online.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	A drive has entered the online state. This may be because the system just started or could be because a problem with the drive has been corrected.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2158
Server Administrator Trap ID	90100

PDR27

Message	Dedicated hot spare assigned to*arg1*.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	A user assigned a physical disk as a dedicated hot spare to a virtual disk. See Protecting Your Virtual Disk with a Hot Spare for more information. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2160
Server Administrator Trap ID	90100

PDR28

Message	Dedicated hot spare unassigned from*arg1*.
Arguments	• ***arg1*** = PD Name
Detailed Description	A physical disk that was assigned as a hot spare has been unassigned and is no longer functioning as a hot spare. The physical disk was unassigned by a user or automatically unassigned by Storage Management. Storage Management unassigns hot spares that have been used to rebuild data. Once data is rebuilt onto the hot spare, the hot spare becomes a member of the virtual disk and is no longer assigned as a hot spare. Assign a new hot spare to maintain data protection in this situation.
Recommended Response Action	Although this alert is provided for informational purposes, you may need to assign a new hot spare to the virtual disk. Refer to product documentation and see the section Protecting Your Virtual Disk with a Hot Spare for more information.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2161
Server Administrator Trap ID	90100

PDR29

Message	Rebuild on*arg1*completed with error(s).
Arguments	• ***arg1*** = PD Name
Detailed Description	See A Rebuild Completes with Errors for more information.

Recommended Response Action	See A Rebuild Completes with Errors for more information.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2163
Server Administrator Trap ID	90400

PDR30

Message	A global hot spare failed.*arg1*
Arguments	• ***arg1*** **=** PD Name
Detailed Description	The controller cannot to communicate with a disk that is assigned as a global hot spare. The disk either failed or was removed. There may also be a bad or loose cable.
Recommended Response Action	Verify that the disk is healthy and installed. Check the cables. Refer to the product documentation and see the Cables Attached Correctly section for more information on checking the cables. If necessary, replace the disk and reassign the global hot spare.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2201
Server Administrator Trap ID	90300

PDR31

Message	A global hot spare has been removed.*arg1*

Arguments	• ***arg1*** = PD Name
Detailed Description	The controller cannot to communicate with a disk that is assigned as a global hot spare. The disk either failed or was removed. There may also be a bad or loose cable.
Recommended Response Action	Verify that the disk is healthy and installed. Check the cables. Refer to the product documentation and see the Cables Attached Correctly section for more information on checking the cables. If necessary, replace the disk and reassign the global hot spare.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2202
Server Administrator Trap ID	90100

PDR32

Message	A dedicated hot spare failed.*arg1*
Arguments	• ***arg1*** = PD Name
Detailed Description	The controller cannot to communicate with a disk that is assigned as a global hot spare. The disk either failed or was removed. There may also be a bad or loose cable.
Recommended Response Action	Verify that the disk is healthy and installed. Check the cables. Refer to the product documentation and see the Cables Attached Correctly section for more information on checking the cables. If necessary, replace the disk and reassign the global hot spare.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2203

Server Administrator Trap ID	90300

PDR33

Message	A dedicated hot spare has been removed.*arg1*
Arguments	• ***arg1*** **=** PD Name
Detailed Description	The controller cannot to communicate with a disk that is assigned as a global hot spare. The disk either failed or was removed. There may also be a bad or loose cable.
Recommended Response Action	Verify that the disk is healthy and installed. Check the cables. Refer to the product documentation and see the Cables Attached Correctly section for more information on checking the cables. If necessary, replace the disk and reassign the global hot spare.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2204
Server Administrator Trap ID	90100

PDR34

Message	A dedicated hot spare has been automatically unassigned.*arg1*
Arguments	• ***arg1*** **=** PD Name
Detailed Description	The hot spare is no longer required because the virtual disk it was assigned to has been deleted.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)

LCD Message	No LCD message display defined.
Server Administrator Event ID	2205
Server Administrator Trap ID	90100

PDR35

Message	The only hot spare available is a SATA disk*arg1*.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	The only physical disk available to be assigned as a hot spare is using SATA technology. The physical disks in the virtual disk are using SAS technology. Because of this difference in technology, the hot spare cannot rebuild data if one of the physical disks in the virtual disk fails.
Recommended Response Action	Add a SAS disk that is large enough to be used as the hot spare and assign the new disk as a hot spare.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2206
Server Administrator Trap ID	90300

PDR36

Message	The only hot spare available is a SAS disk*arg1*.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	The only physical disk available to be assigned as a hot spare is using SAS technology. The physical disks in the virtual disk are using SATA technology. Because of this difference in technology, the hot spare cannot rebuild data if one of the physical disks in the virtual disk fails.

Recommended Response Action	Add a SATA disk that is large enough to be used as the hot spare and assign the new disk as a hot spare.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2207
Server Administrator Trap ID	90300

PDR37

Message	The*arg1*is not supported.
Arguments	• ***arg1*** **=** physical device
Detailed Description	The physical device may not have a supported version of the firmware or the physical device may not be supported.
Recommended Response Action	If the physical device is supported, then update the firmware to a supported version. If the physical device is not supported, then replace the physical device with one that is supported.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2211
Server Administrator Trap ID	90300

PDR38

Message	A clear operation started on*arg1*.
Arguments	• ***arg1*** **=** physical disk

Detailed Description	A user has initiated a clear operation on a physical disk.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2249
Server Administrator Trap ID	90100

PDR39

Message	A blink operation has initiated on*arg1*.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2251;2437
Server Administrator Trap ID	90100

PDR40

Message	The blink operation has ceased on*arg1*.

Arguments	• ***arg1*** **=** physical disk
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2252;2438
Server Administrator Trap ID	90100

PDR41

Message	The clear operation on*arg1*was cancelled.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	The clear command did not complete on the physical disk. This means that some data was not cleared and may be recoverable.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2254
Server Administrator Trap ID	90100

PDR42

Message	*arg1*has been started.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2255
Server Administrator Trap ID	90100

PDR43

Message	The clear operation on*arg1*has completed.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This message is generated after a clear operation completes on a physical disk.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2269

Server Administrator Trap ID	90100

PDR44

Message	The clear operation on*arg1*failed.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	A Clear task was being performed on a physical disk but the task was interrupted and did not complete successfully. The controller may have lost communication with the disk, the disk was removed, or the cables may be loose or defective.
Recommended Response Action	Verify that the disk is present and not in a Failed state. Make sure the cables are attached securely. See the storage hardware documentation for more information on checking the cables. Restart the Clear task.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2270
Server Administrator Trap ID	90400

PDR46

Message	Patrol Read found an uncorrectable media error on*arg1*.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	The Patrol Read task has encountered an error that cannot be corrected. There may be a bad disk block that cannot be remapped.
Recommended Response Action	Backup your data from the disk. Start disk initialization and wait for it to complete, then restore the data from the backup to the disk.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2272
Server Administrator Trap ID	90400

PDR47

Message	A block on*arg1*was punctured by the controller.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	The controller encountered an unrecoverable medium error when attempting to read a block on the physical disk and marked that block as invalid. If the controller encountered the unrecoverable medium error on a source physical disk during a rebuild or reconfigure operation, it punctures the corresponding block on the target physical disk. The invalid block clears on a write operation.
Recommended Response Action	Back up the data from the disk. Start disk initialization and wait for it to complete, and then restore the data from a backup copy.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2273
Server Administrator Trap ID	90400

PDR48

Message	The*arg1*rebuild has resumed.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This message is generated after rebuild resumes on a physical disk.
Recommended Response Action	No response action is required.

Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2274
Server Administrator Trap ID	90100

PDR49

Message	The dedicated hot spare*arg1*is too small.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	The dedicated hot spare is not large enough to protect all virtual disks that reside on the disk group.
Recommended Response Action	Assign a larger disk as the dedicated hot spare.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2276
Server Administrator Trap ID	90300

PDR50

Message	Insufficient space on the global hot spare*arg1*.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	The global hot spare is not large enough to protect all virtual disks that reside on the controller.

Recommended Response Action	Assign a larger disk as the global hot spare.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2277
Server Administrator Trap ID	90300

PDR51

Message	Hot spare*arg1*SMART polling has failed.*arg2*
Arguments	• ***arg1*** **=** physical disk • ***arg2*** **=** args
Detailed Description	The controller firmware attempted to do SMART polling on the hot spare but could not complete the SMART polling. The controller may have lost communication with the hot spare.
Recommended Response Action	Verify the health of the disk assigned as a hot spare. Replace the disk and reassign the hot spare. Make sure the cables are attached securely. See the storage hardware documentation for more information on checking the cables.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2282
Server Administrator Trap ID	90400

PDR52

Message	A redundant path is broken.

Detailed Description	The controller has two connectors that are connected to the same enclosure. The communication path on one connector has lost connection with the enclosure. The communication path on the other connector is reporting this loss.
Recommended Response Action	Make sure the cables are attached securely. See the Cables Attached Correctly section for more information on checking the cables. Make sure both Enclosure Management Modules (EMMs) are healthy.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2283
Server Administrator Trap ID	90300

PDR53

Message	A redundant path has been restored for*arg1*.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2284
Server Administrator Trap ID	90100

PDR54

Message	A disk media error on*arg1*was corrected during recovery.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This message is generated after a disk media error is corrected on a physical disk.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2285
Server Administrator Trap ID	90100

PDR55

Message	Insufficient space available on the*arg1*to perform a rebuild.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	The physical disk inserted is too small for the rebuild to occur.
Recommended Response Action	Replace the physical disk with one of correct protocol (SAS, SATA) with at least the required size. Force rebuild if it does not start automatically.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2305

Server Administrator Trap ID	90300

PDR56

Message	Bad block table on*arg1*is 80% full.
Arguments	• ***arg1*** = physical disk
Detailed Description	The bad block table is the table used for remapping bad disk blocks. This table fills as bad disk blocks are remapped. When the table is full, bad disk blocks are no longer remapped, which means that disk errors are no longer corrected. At this point, data loss can occur. The bad block table is now 80 percent full.
Recommended Response Action	Replace the disk generating this message.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2306
Server Administrator Trap ID	90300

PDR57

Message	Bad block table on*arg1*is full. Unable to log block*arg2*.
Arguments	• ***arg1*** = physical disk • ***arg2*** = logical block address
Detailed Description	The bad block table is the table used for remapping bad disk blocks. This table fills as bad disk blocks are remapped. When the table is full, bad disk blocks are no longer remapped, which means that disk errors are no longer corrected. At this point, data loss can occur.
Recommended Response Action	Replace the disk generating this message and restore from a backup copy. You may have lost data.
Category	Storage

SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2307
Server Administrator Trap ID	90400

PDR58

Message	*arg1*is incompatible.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	A user attempted to replace a disk with another disk that is using an incompatible technology. For example, replaced one side of a mirror with a SAS disk when the other side of the mirror is using SATA technology.
Recommended Response Action	Refer to the hardware documentation for information on replacing disks.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2309
Server Administrator Trap ID	90300

PDR59

Message	A bad disk block was reassigned on*arg1*.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	The disk has a bad block. Data was remapped to another disk block. No data loss has occurred.

Recommended Response Action	Monitor the disk for other messages or indications of poor health.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2331
Server Administrator Trap ID	90100

PDR60

Message	Error occurred on*arg1*:*arg2*.
Arguments	• ***arg1*** **=** physical disk • ***arg2*** **=** error code
Detailed Description	The reason for the error can vary depending on the situation. The firmware error code is indicated in the message.
Recommended Response Action	Verify the health of attached devices. Review the Lifecycle log for significant events. Replace faulty hardware, if required. Make sure the cables are attached securely. Refer to the storage hardware documentation for more information on checking the cable connections.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2346
Server Administrator Trap ID	90300

PDR61

Message	The rebuild of*arg1*failed due to errors on the source physical disk.

Arguments	• ***arg1*** **=** physical disk
Detailed Description	It is not possible to rebuild data that resides on a defective disk.
Recommended Response Action	Replace the source disk and restore data from backup.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2347
Server Administrator Trap ID	90400

PDR62

Message	The rebuild failed due to errors on the target*arg1*.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	It is not possible to rebuild data that resides on a defective disk.
Recommended Response Action	Replace the target disk. If a rebuild does not automatically start after replacing the disk, then initiate the Rebuild task. You may need to assign the new disk as a hot spare to initiate the rebuild.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2348
Server Administrator Trap ID	90400

PDR63

Message	A bad disk block on*arg1*cannot be reassigned during a write operation.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	A write operation cannot complete because the disk contains bad disk blocks that could not be reassigned. Data loss may have occurred. Data redundancy may be lost.
Recommended Response Action	Replace the disk.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2349
Server Administrator Trap ID	90400

PDR64

Message	An unrecoverable disk media error occurred on*arg1*.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	The rebuild or recovery operation encountered an unrecoverable disk media error.
Recommended Response Action	Replace the disk.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2350

Server Administrator Trap ID	90400

PDR65

Message	*arg1*is marked as missing.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2351
Server Administrator Trap ID	90100

PDR66

Message	*arg1*that was marked as missing has been replaced.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2352
Server Administrator Trap ID	90100

PDR68

Message	Dedicated spare*arg1*imported as global due to missing disk groups.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	This alert is provided for informational purposes
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2366
Server Administrator Trap ID	90100

PDR69

Message	Rebuild not possible on*arg1*.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	Physical disk inserted is of the incorrect protocol. SAS or SATA mixing is not supported in the same virtual disk.
Recommended Response Action	Remove drive, insert correct protocol type, and force a rebuild as imposed for controller and system.
Category	Storage
SubCategory	PDR = Physical Disk

Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2367
Server Administrator Trap ID	90300

PDR70

Message	Copyback started from*arg1*to*arg2*.
Arguments	• ***arg1*** = physical disk • ***arg2*** = physical disk
Detailed Description	A copyback operation began to copy data from one physical disk to another physical disk. This may be due to a user initiated operation or a predictive failure.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2060
Server Administrator Trap ID	120100

PDR71

Message	Copyback completed from*arg1*to*arg2*.
Arguments	• ***arg1*** = physical disk • ***arg2*** = physical disk
Detailed Description	The copyback operation completed.

Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2075
Server Administrator Trap ID	120100

PDR72

Message	Copyback resumed on*arg1*from*arg2*.
Arguments	• ***arg1*** **=** physical disk • ***arg2*** **=** physical disk
Detailed Description	This alert is provided for informational purposes
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2087
Server Administrator Trap ID	90100

PDR74

Message	Copyback cancelled on*arg1*.

Arguments	• ***arg1*** **=** physical disk
Detailed Description	A user cancelled the copyback operation.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2184
Server Administrator Trap ID	90100

PDR75

Message	Copyback stopped for hot spare*arg1*.
Arguments	• ***arg1*** **=** physical disk
Detailed Description	This alert is provided for informational purposes
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2185
Server Administrator Trap ID	90300

PDR76

Message	Copyback not possible as SAS or SATA mixing is not supported.
Detailed Description	Copyback not possible as SAS or SATA mixing is not supported in the same virtual disk. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2200
Server Administrator Trap ID	90300

PDR88

Message	Power state change failed on*arg1*. (from*arg2*to*arg3*)
Arguments	• ***arg1*** **=** PD Name • ***arg2*** **=** state • ***arg3*** **=** state
Detailed Description	When physical drives in spun down power state are configured, the drives should transition to spun up power state.. If the drive is not functioning properly, this transition could fail.
Recommended Response Action	Replace the physical disk and try again. Contact technical support if the issue persists.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	

Server Administrator Trap ID	

PDR98

Message	Command timeout occurred on*arg1.arg2*.
Arguments	• ***arg1*** **=** physical disk • ***arg2*** **=** args
Detailed Description	An error occurred while performing an action on the disk.
Recommended Response Action	Check the disk is present or replace the disk.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2405
Server Administrator Trap ID	90300

PDR100

Message	Dedicated Hot Spare*arg1*no longer useful for all arrays.
Arguments	• ***arg1*** **=** PD Name
Detailed Description	The controller is not able to communicate with a disk that is assigned as a dedicated hot spare. The disk may have been removed. There may also be a bad or loose cable.
Recommended Response Action	Verify that the disk is healthy and that it has not been removed. Check the cables. See the Cables Attached Correctly section for more information on checking the cables. If necessary, replace the disk and reassign the dedicated hot spare.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)

LCD Message	No LCD message display defined.
Server Administrator Event ID	2208
Server Administrator Trap ID	90300

PDR101

Message	Global Hot Spare*arg1*does not cover all arrays.
Arguments	• ***arg1*** = PD Name
Detailed Description	This alert message occurs if there are arrays not protected with a global hot spare.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2209
Server Administrator Trap ID	90300

PDR102

Message	The Patrol Read operation was manually stopped before completion.
Detailed Description	The Patrol Read operation was manually stopped before completion.
Recommended Response Action	If desired, restart the Patrol Read operation at a later time.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)

LCD Message	No LCD message display defined.
Server Administrator Event ID	2444
Server Administrator Trap ID	90100

PDR103

Message	Cryptographic Erase operation is successfully completed on*arg1*.
Arguments	• ***arg1*** **=** physical disk name
Detailed Description	Cryptographic Erase operation is successfully completed on the physical disk drive identified in the message.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2445
Server Administrator Trap ID	90100

PDR104

Message	The*arg1*has turned off because the critical temperature threshold is exceeded.
Arguments	• ***arg1*** **=** PCIe solid state device name
Detailed Description	The PCIe solid state device identified in the message has turned off because the critical temperature threshold of the device was exceeded.
Recommended Response Action	Contact your service provider.
Category	Storage

SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2441
Server Administrator Trap ID	90400

PDR110

Message	The*arg1*reliability has degraded.
Arguments	• ***arg1*** **=** PCIe solid state device name
Detailed Description	The reliability of the PCIe solid state device identified in the message degraded. Data loss is possible.
Recommended Response Action	Back up the data on the device, and contact your service provider for further instructions.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2442
Server Administrator Trap ID	90400

PDR111

Message	The volatile memory backup device on*arg1*is no longer functional.
Arguments	• ***arg1*** **=** PCIe solid state device name
Detailed Description	The volatile memory backup device on the PCIe solid state device identified in the message is no longer functional. Data loss is possible.

Recommended Response Action	Back up the data on the device, and contact your service provider for further instructions.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2443
Server Administrator Trap ID	90400

PDR206

Message	*arg1*is a solid state drive (SSD) that is not supported by the controller.
Arguments	• ***arg1*** **=** physical disk name
Detailed Description	The storage controller does not support the attached SSD devices.
Recommended Response Action	Remove SSD devices not supported by the controller, and retry the operation.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2382
Server Administrator Trap ID	90300

PDR207

Message	Unable to assign*arg1*as a dedicated hot spare.
Arguments	• ***arg1*** **=** physical disk name

Detailed Description	Unable to assign the physical disk as a dedicated hot spare because the selected disk size does not meet the size requirements of the target Virtual Disk.
Recommended Response Action	Select a physical disk that matches the size required for the disks used in the target Virtual Disk, and retry the operation.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2386
Server Administrator Trap ID	90100

PDR208

Message	Instant Secure Erase operation successfully completed on*arg1*.
Arguments	• ***arg1*** **=** physical disk name
Detailed Description	The secure erase operation successfully completed on the Self-Encrypting Drive (SED) identified in the message.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2390
Server Administrator Trap ID	90100

PDR209

Message	The power status of*arg1*is changed from*arg2*to*arg3*.

Arguments	• ***arg1*** **=** physical disk name • ***arg2*** **=** previous power status • ***arg3*** **=** current power status
Detailed Description	The Manage Physical Disk Power feature is enabled for physical drives and the power status of the drives changed.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2399
Server Administrator Trap ID	90100

PDR210

Message	Successfully updated configuration data on the*arg1*.
Arguments	• ***arg1*** **=** physical disk name
Detailed Description	This event is generated while initializing the drives during reboot. The controller updated the configuration data on the physical disks identified in the message. The drive configuration was updated because the following conditions were present: 1) The spundown drives were used for configuration. Spundown drives are drives that are temporarily powered off because power saving option is enabled. 2) The storage controller was not able to update the Configuration On Disk (COD) records on the drive while they were spundown.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2400
Server Administrator Trap ID	90100

PDR211

Message	*arg1*has encountered storage medium error.
Arguments	• ***arg1 =*** physical disk name
Detailed Description	Storage medium error was detected on the disk identified in the message.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2416
Server Administrator Trap ID	90300

PDR212

Message	The state of*arg1*changed from Ready to Non-RAID.
Arguments	• ***arg1 =*** physical disk name
Detailed Description	The physical disk state has changed from Ready state to Non-RAID state.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2425
Server Administrator Trap ID	90100

PDR213

Message	The state of*arg1*changed from Non-RAID to Ready.
Arguments	• ***arg1*** **=** physical disk name
Detailed Description	The physical disk state has changed from Non-RAID state to Ready state.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2426
Server Administrator Trap ID	90100

PDR214

Message	The*arg1*is not supported because it is not supplied by an authroized hardware provider.
Arguments	• ***arg1*** **=** physical disk name
Detailed Description	The physical disk identified in the message is not compliant with the standards set by the hardware provider and is not supported.

Recommended Response Action	Replace the physical disk with a supported physical disk that is provided by an authorized hardware provider.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2359
Server Administrator Trap ID	90300

PDR215

Message	Copyback task to*arg1*has failed.
Arguments	• ***arg1* =** physical disk name
Detailed Description	The Replace Member Disk operation did not complete succesfully because of internal errors. The error may be due to problems with the source or target physical disks or the controller may be out of resources.
Recommended Response Action	Retry the Replace Member Disk operation with a different target physical disk. If the problem persists, check the condition of the target physical disk and replace if necessary, then rety the operation.
Category	Storage
SubCategory	PDR = Physical Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2183
Server Administrator Trap ID	90400

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PSU Event Messages

PSU0001

Message	Power supply*arg1*failed.
Arguments	• ***arg1*** = number
Detailed Description	None
Recommended Response Action	Remove and re-install the power supply. If the issue persists, contact technical support. Refer to the product documentation to choose a convenient contact method.
Category	System Health
SubCategory	PSU = Power Supply
Severity	Severity 1 (Critical)
LCD Message	PSU <number> failed. Check PSU
Server Administrator Event ID	5300
Server Administrator Trap ID	

PSU0005

Message	The power input for power supply*arg1*is outside of the allowable range, but it is attached to the system.
Arguments	• ***arg1*** = number
Detailed Description	The operating requirements for the power supply may be found in product documentation or on the power supply itself.
Recommended Response Action	Verify the input power is within the operating requirements for the power supply.
Category	System Health

SubCategory	PSU = Power Supply
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5353
Server Administrator Trap ID	5353

PSU0006

Message	Power supply*arg1*is incorrectly configured.
Arguments	• ***arg1*** **=** number
Detailed Description	Power supplies should be of the same input type and power rating.
Recommended Response Action	Install matched power supplies and review product documentation for proper configuration.
Category	System Health
SubCategory	PSU = Power Supply
Severity	Severity 1 (Critical)
LCD Message	Power supply <number> is incorrectly configured. Check PSU.
Server Administrator Event ID	5354
Server Administrator Trap ID	5354

PSU0017

Message	Power supply*arg1*is operating normally.
Arguments	• ***arg1*** **=** number
Detailed Description	None

Recommended Response Action	No response action is required.
Category	System Health
SubCategory	PSU = Power Supply
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5354
Server Administrator Trap ID	5354

PSU0077

Message	Power supply*arg1*vendor type mismatch detected.
Arguments	• ***arg1*** **=** number
Detailed Description	Power supplies should be of the same input type and power rating.
Recommended Response Action	Install matched power supplies and review product documentation for proper configuration.
Category	System Health
SubCategory	PSU = Power Supply
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5354
Server Administrator Trap ID	5354

PSU0078

Message	Power supply*arg1*revision mismatch detected.
Arguments	• ***arg1*** **=** number

Detailed Description	This power supply revision is not supported for this system.
Recommended Response Action	Review product documentation, change power supply with correct revision.
Category	System Health
SubCategory	PSU = Power Supply
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5354
Server Administrator Trap ID	5354

PSU100

Message	Power supply*arg1*is offline.
Arguments	• ***arg1*** **=** power supply unit
Detailed Description	The power supply unit identified in the message is offline, because of the one of the following reasons: 1) The power supply unit is not correctly seated. 2) The power cable may not be connected properly or diconnected. 3) The power supply unit has failed. 4) There is an input power failure.
Recommended Response Action	Do one of the following to resolve the issue: 1) reseat the power supply unit. 2) Reconnect the power cable to the power supply unit. 3) Install a new power supply unit 4) Restore the input power supply.
Category	System Health
SubCategory	PSU = Power Supply
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5303
Server Administrator Trap ID	

PSU101

Message	Power supply*arg1*is not present.
Arguments	• ***arg1*** **=** power supply unit
Detailed Description	The power supply unit identified in the message is not present, because of the one of the following reasons: 1) The power supply unit is not correctly seated. 2) The power cable may not be connected properly or diconnected. 3) The power supply unit has failed. 4) There is an input power failure.
Recommended Response Action	Do one of the following to resolve the issue: 1) reseat the power supply unit. 2) Reconnect the power cable to the power supply unit. 3) Install a new power supply unit 4) Restore the input power supply.
Category	System Health
SubCategory	PSU = Power Supply
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5353
Server Administrator Trap ID	5353

PSU102

Message	Power suppy*arg1*status is unknown.
Arguments	• ***arg1*** **=** power supply unit
Detailed Description	The status of the power supply unit identified in the message is unknown, because of one of the following reasons: 1) The power supply unit is not correctly seated. 2) The power cable may not be connected properly or diconnected. 3) The power supply unit has failed. 4) There is an input power failure.
Recommended Response Action	Do one of the following to resolve the issue: 1) reseat the power supply unit. 2) Reconnect the power cable to the power supply unit. 3) Install a new power supply unit 4) Restore the input power supply.
Category	System Health
SubCategory	PSU = Power Supply
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5351
Server Administrator Trap ID	

PSU0908

Message	Power lost on power unit*arg1*.
Arguments	• ***arg1*** = number
Detailed Description	The power supply is installed correctly but an input source is not connected or is not functional.
Recommended Response Action	Verify the input source is attached to the power supply. Verify the input power is within the operating requirements for the power supply.
Category	System Health
SubCategory	PSU = Power Supply
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5354
Server Administrator Trap ID	5354

PSU0912

Message	A failure detected on power unit*arg1*.
Arguments	• ***arg1*** = number
Detailed Description	Status from the power supply indicates a power supply exception occurred. The power supply will try to operate in a degraded state. System Performance and power redundancy may be degraded or lost.
Recommended Response Action	Check input power. Re-install the power supply. If problem persists contact support.
Category	System Health

SubCategory	PSU = Power Supply
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5354
Server Administrator Trap ID	5354

PSU0914

Message	A predictive failure detected on power unit*arg1*.
Arguments	• ***arg1*** **=** number
Detailed Description	Status from the power supply indicates a power supply exception occurred. The power supply will try to operate. System Performance and power redundancy may be degraded or lost.
Recommended Response Action	Remove input power and re-install supply at the next service window.
Category	System Health
SubCategory	PSU = Power Supply
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5353
Server Administrator Trap ID	5353

PSU1000

Message	Power supply cable has been removed from*arg1*.
Arguments	• ***arg1*** **=** PSU Sensor Name
Detailed Description	The power supply unit is not receiving input AC power. The power cable may not be connected properly or removed. This can happen if there is an AC failure or problems with the power strip attached to the enclosure power supply.

Recommended Response Action	Reconnect the power cable to the power supply unit if it was disconnected. Restore the input AC power supply. Make sure the power supply is restored to the enclosure from the mains.
Category	Storage
SubCategory	PSU = Power Supply
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2312;2313
Server Administrator Trap ID	100300

PSU1002

Message	*arg1*was removed
Arguments	• ***arg1*** **=** PSU Sensor Name
Detailed Description	The enclosure detected that a power supply unit was removed and is no longer functioning in optimal condition.
Recommended Response Action	Re-insert the power supply unit into the enclosure. Re-connect the AC power cable and switch on the power supply unit. Contact technical support if the issue persists.
Category	Storage
SubCategory	PSU = Power Supply
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2324
Server Administrator Trap ID	100400

PSU1004

Message	Power supply cable has been inserted into*arg1*.
Arguments	• ***arg1*** **=** PSU Sensor Name

Detailed Description	The enclosure detected that AC power supply was restored to the power supply unit.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PSU = Power Supply
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2325
Server Administrator Trap ID	100100

PSU1050

Message	*arg1*is switched ON.
Arguments	• ***arg1*** **=** power supply name
Detailed Description	The power supply identified in the message is switched ON.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	PSU = Power Supply
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2323
Server Administrator Trap ID	100100

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PWR Event Messages

PWR3000

Message	The system is being shut down for thermal protection.
Detailed Description	To avoid system damage because of insuffecient cooling, the system is being shut down.
Recommended Response Action	Review the Embedded System Management Log for thermal or environmental failures and warnings, and replace the faulty components. If the issue persists, contact your service provider.
Category	System Health
SubCategory	PWR = Power Usage
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

PWR3001

Message	Detected new peak power value. Peak value (in Watts):*arg1*.
Arguments	• ***arg1*** **=** peak value
Detailed Description	The system has detected a new peak power value.
Recommended Response Action	Make sure that the power usage corresponds to the the current hardware configuration and workload.
Category	System Health
SubCategory	PWR = Power Usage
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5013
Server Administrator Trap ID	

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RDU Event Messages

RDU0001

Message	The fans are redundant.
Detailed Description	None
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	RDU = Redundancy
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5304
Server Administrator Trap ID	5304

RDU0002

Message	Fan redundancy is lost.
Detailed Description	One of more fans have failed or have been removed or a configuration change occurred which requires additional fans.
Recommended Response Action	Remove and re-install failed fans or install additional fans.
Category	System Health
SubCategory	RDU = Redundancy
Severity	Severity 1 (Critical)
LCD Message	Fan redundancy is lost. Check fans.

Server Administrator Event ID	
Server Administrator Trap ID	

RDU0003

Message	Fan redundancy is degraded.
Detailed Description	One of more fans have failed or have been removed or a configuration change occurred which requires additional fans.
Recommended Response Action	Remove and re-install failed fans or install additional fans.
Category	System Health
SubCategory	RDU = Redundancy
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5305
Server Administrator Trap ID	5305

RDU0011

Message	The power supplies are redundant.
Detailed Description	None
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	RDU = Redundancy
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5304
Server Administrator Trap ID	5304

RDU0012

Message	Power supply redundancy is lost.
Detailed Description	The current power operational mode is non-redundant because of a power supply exception, a power supply inventory change, or a system power inventory change. The system was previously operating in a power redundant mode.
Recommended Response Action	Check the event log for power supply failures. Review system configuration and power consumption.
Category	System Health
SubCategory	RDU = Redundancy
Severity	Severity 1 (Critical)
LCD Message	Lost PSU redundancy. Check PSU cables
Server Administrator Event ID	5306
Server Administrator Trap ID	5306

RDU0013

Message	Power supply redundancy is degraded.
Detailed Description	The current power operational mode is non-redundant because of a power supply exception, a power supply inventory change, or a system power inventory change. The system was previously operating in a power redundant mode.
Recommended Response Action	Check the event log for power supply failures. Review system configuration and power consumption.
Category	System Health
SubCategory	RDU = Redundancy
Severity	Severity 2 (Warning)
LCD Message	PSU redundancy degraded. Check PSU cables

Server Administrator Event ID	5305
Server Administrator Trap ID	5305

RDU0020

Message	Power supply redundancy is disabled.
Detailed Description	Redundancy is not currently enabled for the power supplies.
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	RDU = Redundancy
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5302
Server Administrator Trap ID	

RDU0021

Message	Unable to determine the redundancy status of the power supply units.
Detailed Description	One of the power supply units have failed.
Recommended Response Action	Replace the failed power supply with a new power supply.
Category	System Health
SubCategory	RDU = Redundancy
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5301
Server Administrator Trap ID	

RDU0022

Message	Fan redundancy is disabled.
Detailed Description	Redundancy is not currently enabled for the fans.
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	RDU = Redundancy
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5302
Server Administrator Trap ID	

RDU0023

Message	Unable to determine the redundancy status of the fans.
Detailed Description	One or more fans are non-functional or may have failed.
Recommended Response Action	Check that all fans are working properly. Replace any non-fuctional fan with a new fan.
Category	System Health
SubCategory	RDU = Redundancy
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.

Server Administrator Event ID

Server Administrator Trap ID

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RFL Event Messages

RFL2002

Message	Internal Dual SD Module*arg1*is offline.
Arguments	• ***arg1*** **=** name
Detailed Description	The SD card module is installed but may be improperly installed or configured incorrectly.
Recommended Response Action	Reinstall the SD module.
Category	System Health
SubCategory	RFL = IDSDM Media
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5303
Server Administrator Trap ID	

RFL2004

Message	Failure detected on Internal Dual SD Module*arg1*.
Arguments	• ***arg1*** **=** name
Detailed Description	The SD card module is installed but improperly configured or failed to initialize.
Recommended Response Action	Reinstall the SD module and remove and reinstall SD cards.
Category	System Health
SubCategory	RFL = IDSDM Media

Severity	Severity 1 (Critical)
LCD Message	Internal Dual SD Module <name> failed. Check SD Card
Server Administrator Event ID	5300
Server Administrator Trap ID	

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RRDU Event Messages

RRDU0001

Message	Internal Dual SD Module is redundant.
Detailed Description	None
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	RRDU = IDSDM Redundancy
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5304
Server Administrator Trap ID	5304

RRDU0002

Message	Internal Dual SD Module redundancy is lost.
Detailed Description	Either one of the SD card or both the SD cards are not functioning properly.
Recommended Response Action	Replace the failed SD card.
Category	System Health
SubCategory	RRDU = IDSDM Redundancy
Severity	Severity 1 (Critical)
LCD Message	Internal Dual SD Module redundancy lost. Check SD cards

Server Administrator Event ID	5306
Server Administrator Trap ID	5306

RRDU0003

Message	Internal Dual SD Module redundancy is degraded.
Detailed Description	Either one of the SD card or both the SD cards are not functioning properly.
Recommended Response Action	Replace the failed SD card.
Category	System Health
SubCategory	RRDU = IDSDM Redundancy
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5305
Server Administrator Trap ID	5305

RRDU0010

Message	Internal SD Module redundancy is disabled.
Detailed Description	Redundancy is not currently enabled for the Internal SD Module.
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	RRDU = IDSDM Redundancy
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5302
Server Administrator Trap ID	

RRDU0011

Message	Unable to determine the redundancy status of the Internal SD Module.
Detailed Description	This occurs because of one of the following reasons: 1) Either one of the SD card or both the SD cards have failed. 2) The Internal SD Module has failed.
Recommended Response Action	Replace the failed SD card with a new SD card, or replace the Internal SD Module. For more information, contact your service provider.
Category	System Health
SubCategory	RRDU = IDSDM Redundancy
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5301
Server Administrator Trap ID	

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SEC Event Messages

SEC0000

Message	The chassis is open.
Detailed Description	The chassis is open. System performance may be degraded, and security may be compromised.
Recommended Response Action	Close the chassis. Check system logs.
Category	System Health
SubCategory	SEC = Security Event
Severity	Severity 1 (Critical)
LCD Message	Intrusion detected. Check chassis cover
Server Administrator Event ID	5254
Server Administrator Trap ID	5254

SEC0016

Message	The chassis is closed.
Detailed Description	None
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	SEC = Security Event
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5252
Server Administrator Trap ID	5252

SEC0051

Message	Unable to determine the redundancy status of the chassis intrusion sensor.
Detailed Description	The chassis may be open. This condition can lead to degraded system performance because of insufficient cooling and the system security may be compromised.
Recommended Response Action	Close the chassis.
Category	System Health
SubCategory	SEC = Security Event
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5251
Server Administrator Trap ID	

SEC0052

Message	Chassis intrusion sensor may have failed.
Detailed Description	The chassis intrusion sensor may have failed, because of this it cannot be determined whether the chassis is closed or opened. This condition can lead to degraded system performance because of insufficient cooling. The system security may be compromised.
Recommended Response Action	Replace the chassis intrusion sensor. For more information, contact your service provider.
Category	System Health
SubCategory	SEC = Security Event
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.

Server
Administrator
Event ID

Server
Administrator
Trap ID

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SSD Event Messages

SSD1001

Message	Write-cache on*arg1*is enabled.
Arguments	• ***arg1*** **=** PCIe SSD name
Detailed Description	Write-cache is enabled on the PCIe solid state drive (SSD) identified in the message.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	SSD = PCIe SSD
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2427
Server Administrator Trap ID	90300

SSD1002

Message	Write-cache on*arg1*is disabled.
Arguments	• ***arg1*** **=** PCIe SSD name
Detailed Description	Write-cache is disabled on the PCIe solid state drive (SSD) identified in the message.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	SSD = PCIe SSD

Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2428
Server Administrator Trap ID	90300

SSD1003

Message	*arg1*is ready for removal.
Arguments	• ***arg1*** **=** PCIe SSD name
Detailed Description	The PCIe solid state drive (SSD) identified in the message is ready for removal.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	SSD = PCIe SSD
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2429
Server Administrator Trap ID	90100

SSD1004

Message	Exported the*arg1*log file.
Arguments	• ***arg1*** **=** PCIe SSD name
Detailed Description	The log file of the PCIe solid state drive (SSD) identified in the message is successfully exported.
Recommended Response Action	No response action is required.

Category	Storage
SubCategory	SSD = PCIe SSD
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2430
Server Administrator Trap ID	90300

SSD1005

Message	Successfully initialized*arg1*.
Arguments	• ***arg1*** **=** PCIe SSD name
Detailed Description	The initialization of the PCIe solid state drive (SSD) identified in the message is complete.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	SSD = PCIe SSD
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2431
Server Administrator Trap ID	90100

SSD1006

Message	The*arg1*has reached*arg2*of warranted device wear-out limit.
Arguments	• ***arg1*** **=** PCIe solid state device name • ***arg2*** **=** percent

Detailed Description	The PCIe solid state device identified in the message is approaching the warranted wear-out limit.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	SSD = PCIe SSD
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2433
Server Administrator Trap ID	90100

SSD1007

Message	The*arg1*has reached or exceeded its warranted wear-out limit.
Arguments	• ***arg1*** **=** PCIe solid state device name
Detailed Description	The PCIe solid state device identified in the message has either reached or exceeded the warranted wear-out limit.
Recommended Response Action	Back up the data on the device, and contact your service provider for further instructions.
Category	Storage
SubCategory	SSD = PCIe SSD
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2434
Server Administrator Trap ID	90300

SSD1008

Message	The*arg1*is approaching read-only mode.

Arguments	• ***arg1*** = PCIe solid state device name
Detailed Description	The PCIe solid state device identified in the message is between 90% and 100% of reaching read-only mode.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	SSD = PCIe SSD
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2435
Server Administrator Trap ID	90100

SSD1009

Message	The*arg1*is in read-only mode.
Arguments	• ***arg1*** = PCIe solid state device name
Detailed Description	The PCIe solid state device identified in the message is in read-only mode.
Recommended Response Action	Back up the data on the device, and contact your service provider for further instructions.
Category	Storage
SubCategory	SSD = PCIe SSD
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2436
Server Administrator Trap ID	90400

SSD1010

Message	The*arg1*is in a security locked state.
Arguments	• ***arg1*** **=** PCIe solid state device name
Detailed Description	The PCIe solid state device identified in the message is in a locked state, because an existing initialization task was interrupted due to a power failure or disk removal.
Recommended Response Action	Run Full Initialize operation on the device identified in the message.
Category	Storage
SubCategory	SSD = PCIe SSD
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2432
Server Administrator Trap ID	90200

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STOR Event Messages

STOR1

Message	A device*arg1*is in an unknown state.
Arguments	• ***arg1*** **=** device name
Detailed Description	The controller cannot communicate with a device. The state of the device cannot be determined. There may be a bad or loose cable, or a missing device, or a problem with the driver or firmware.
Recommended Response Action	See the storage hardware documentation for information on checking the cables. Check for problems with any enclosures attached to the system. Verify that the controller has a supported version of the driver and firmware. Rebooting the system may resolve this problem.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2265
Server Administrator Trap ID	75300;80300;85300;90300;95300;100300;105300;110300;115300;120300

STOR5

Message	Redundancy lost.*arg1*
Arguments	• ***arg1*** **=** VD/Enclosure Name
Detailed Description	A virtual disk or enclosure has lost data redundancy. In the case of a virtual disk, one or more physical disks included in the virtual disk have failed. Due to the failed physical disk or disks, the virtual disk is no longer maintaining redundant (mirrored or parity) data. The failure of an additional physical disk will result in lost data. In the case of an enclosure, more than one enclosure component has failed. For example, the enclosure may have suffered the loss of all fans or all power supplies.

Recommended Response Action	Identify and replace the failed components. To identify the failed component, select the Storage object and click the Health subtab. The controller status displayed on the Health subtab indicates whether a controller has a failed or degraded component. Click the controller that displays a Warning or Failed status. This action displays the controller Health subtab which displays the status of the individual controller components. Continue clicking the components with a Warning or Failed status until you identify the failed component. See Storage Health for more information. See the enclosure documentation for information on replacing enclosure components and for other diagnostic information.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2123
Server Administrator Trap ID	130600

STOR0200

Message	Array Manager is installed on the system.
Detailed Description	Installing Storage Services and Array Manager on the same system is not a supported configuration. Storage Services is not installed on a system where Array Manager is installed.
Recommended Response Action	Uninstall either Storage Services or Array Manager and retry the operation.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2135
Server Administrator Trap ID	10300

STOR0201

Message	Unable to determine whether the system has the minimum required versions of the RAID controller drivers and firmware.
Detailed Description	Unable to determine whether the system has the minimum required versions of the RAID controller drivers.
Recommended Response Action	See the Readme file on the installation media for driver and firmware requirements. If Storage Services experiences performance problems, make sure that minimum supported versions of the drivers and firmware are installed. For a list of correct driver and firmware versions, contact the service provider.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2164
Server Administrator Trap ID	10100

STOR0202

Message	The configuration file (Path:*arg1*) that contains firmware and driver information for*arg2*is not updated or is incorrectly formatted to complete the comparison.
Arguments	• ***arg1*** **=** file path • ***arg2*** **=** controller name
Detailed Description	Storage Services is unable to determine whether the system has the minimum required versions of the RAID controller firmware and drivers because a configuration file is not readable, corrupted, or has missing data.
Recommended Response Action	Reinstall Server Administrator and Storage Services.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2166
Server Administrator Trap ID	75300

STOR0203

Message	The current operating system kernel version and the non-RAID SCSI driver version are older than the minimum required versions.
Detailed Description	The version of the operating system kernel and the driver do not meet the minimum requirements. Storage Services may not be able to display or perform storage management functions until the system meets the minimum requirements.
Recommended Response Action	See the Readme file on the installation media for operating system kernel and driver version requirements. Update the system to meet the minimum requirements and then reinstall Storage Services.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2167
Server Administrator Trap ID	10300

STOR0204

Message	The non-RAID SCSI driver version is older than the minimum required version.
Detailed Description	The driver version does not meet the minimum requirements and Storage Services cannot perform the required operations until the minimum requirements are met.
Recommended Response Action	See the Readme file for the driver requirements and update the system to meet the minimum requirements and reinstall Storage Services.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2168
Server Administrator Trap ID	10300

STOR0205

Message	Global rescan initiated for all storage components in the system.
Detailed Description	A rescan of all storage components in the system is initiated.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2261
Server Administrator Trap ID	75100

STOR0206

Message	Smart thermal shutdown feature is enabled.
Detailed Description	The storage shutdown feature based on high ambient temperature (smart themal shutdown) is enabled.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2262
Server Administrator Trap ID	10100

STOR0207

Message	Smart thermal shutdown feature is disabled.
Detailed Description	The storage shutdown feature based on high ambient temperature (smart themal shutdown) is disabled.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2263
Server Administrator Trap ID	10100

STOR0208

Message	Protection policy has changed.
Detailed Description	A new protection policy is created or an existing protection policy is modified.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2287
Server Administrator Trap ID	10100

STOR0209

Message	Unable to monitor or manage SAS components because the initialization sequence of the devices did not complete.
Detailed Description	The initialization sequence of SAS components did not complete during system startup.
Recommended Response Action	Do the following: 1) Make sure that the supported versions of the SAS drivers and firmware are installed. 2) Reboot the system. If problem persists, reinstall Server Administrator and Storage Services on the managed node to make sure all the required components are installed.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2314
Server Administrator Trap ID	10400

STOR0210

Message	SCSI sense data (*arg1*) received from*arg2*.
Arguments	• ***arg1* =** sense info • ***arg2* =** device name
Detailed Description	A SCSI device may have experienced an error that generated sense data after the device recovery.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	STOR = Storage

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2095
Server Administrator Trap ID	75100;85100;90100

STOR0211

Message	The*arg1*has returned to normal state.
Arguments	• ***arg1*** **=** device name
Detailed Description	The device identified in the message that was previously in an error state has returned to a normal state. For example, if an enclosure became too hot and subsequently cooled down, or if a degraded virtual disk returns to normal state.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2121
Server Administrator Trap ID	75200;80200;85200;90200;95200;100200;105200;110200;115200;120100

STOR0212

Message	The*arg1*has failed.
Arguments	• ***arg1*** **=** device name
Detailed Description	The device (physical disk or an enclosure) identified in the message has failed. The device (physical disk or an enclosure) failure was detected while performing a rescan. However, physical disk failures are also detected during a check consistency operation.

Recommended Response Action	Replace the identified device. A failed device is inidicated with a red color "X" status icon. Perform a rescan after replacing the failed device.
Category	Storage
SubCategory	STOR = Storage
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2048
Server Administrator Trap ID	75400;80400;85400;90400;95400;100400;105400;110400;115400;120400

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SYS Event Messages

SYS101

Message	Server Administor Data Manager service has started.
Detailed Description	The Server Administratort Data Manager service has started.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5008
Server Administrator Trap ID	

SYS102

Message	Server Administrator Data Manager service has stopped.
Detailed Description	The Server Administrator Data manager service has stopped.
Recommended Response Action	Restart the Server Administrator Data Manager service.
Category	Audit
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5009
Server Administrator Trap ID	

SYS103

Message	Administrator has started.
Detailed Description	The Server Administrator has started.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5001
Server Administrator Trap ID	5001

SYS104

Message	Server Administrator is starting.
Detailed Description	The Server Administrator is starting.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5000
Server Administrator Trap ID	

SYS105

Message	Unable to process the event:*arg1*Date and time of event:*arg2*.
Arguments	• ***arg1*** **=** event • ***arg2*** **=** date time
Detailed Description	The current software version is unable to process this event because of an internal error.
Recommended Response Action	Contact your service provider.
Category	System Health
SubCategory	SYS = System Info
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5014
Server Administrator Trap ID	5014

SYS106

Message	An unknown system control action was initiated by the user.
Detailed Description	An unknown system control action was initiated by the user.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)

LCD Message	No LCD message display defined.
Server Administrator Event ID	5007
Server Administrator Trap ID	

SYS107

Message	A system reboot was initiated by the user.
Detailed Description	The user initiated a system reboot.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5007
Server Administrator Trap ID	5007

SYS108

Message	A system power off was initiated by the user.
Detailed Description	The user has initiated a system power off action.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5007
Server Administrator Trap ID	5007

SYS109

Message	A system power cycle was initiated by the user.
Detailed Description	The user has initiated a system power cycle action.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5007
Server Administrator Trap ID	5007

SYS110

Message	The actions Shutdown OS First and Reboot System were initiated by the user.
Detailed Description	The actions will shut down the operating system and then reboot the system.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5007
Server Administrator Trap ID	5007

SYS111

Message	The actions Shutdown OS First and Power Off System were initiated by the user.
Detailed Description	The actions will shut down the operating system and then the system.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5007
Server Administrator Trap ID	5007

SYS112

Message	The actions Shutdown OS First and Power Cycle System were initiated by the user.
Detailed Description	The actions will shut down the operating system and then power cycle the system.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5007
Server Administrator Trap ID	5007

SYS113

Message	An invalid action was requested by the user.
Detailed Description	An invalid action was requested by the user.
Recommended Response Action	No response action is required.
Category	Audit
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5007
Server Administrator Trap ID	5007

SYS114

Message	The IPMI status for the interface:*arg1*, Baseboard Management Controller (BMC):*arg2*, Sensor Data Records (SDR):*arg3*, System Event Log (SEL):*arg4*.
Arguments	• ***arg1*** = interface • ***arg2*** = BMC • ***arg3*** = SDR • ***arg4*** = SEL
Detailed Description	IPMI is supported for identified interface, Baseboard Management Controller (BMC), Sensor Data Records (SDR), and System Event Log (SEL).
Recommended Response Action	If any status is not present, power cycle the system, and apply the latest firmware update packages for Lifecycle Controller and iDRAC.
Category	System Health

SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5012
Server Administrator Trap ID	

SYS115

Message	The power cord sensor is non-functional.
Detailed Description	The power cord sensor becomes non-functional because of one of the following reasons: 1) The power cable may not be connected properly or disconnected. 2) The power cord sensor in the power supply unit has failed. However, the power supply unit may still function. 3) There is an input power failure.
Recommended Response Action	Do of the following to resolve the issue: 1) Reconnect the power cord to the power supply unit. 2) Replace the power supply unit that has the failed power cord sensor, with a new power supply unit. 3) Make sure that the input power supply is restored.
Category	System Health
SubCategory	SYS = System Info
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

SYS116

Message	Unable to determine the status of the power cord.
Detailed Description	The status of the power cord cannot be determined because of one of the following reasons: 1) The power cable may not be connected properly or disconnected. 2) The power cord sensor in the power supply unit has failed. However, the power supply unit may still function. 3) There is an input power failure.

Recommended Response Action	Do of the following to resolve the issue: 1) Reconnect the power cord to the power supply unit. 2) Replace the power supply unit that has the failed power cord sensor, with a new power supply unit. 3) Make sure that the input power supply is restored.
Category	System Health
SubCategory	SYS = System Info
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

SYS117

Message	The input power supply is restored.
Detailed Description	The input power supply is restored to the system.
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	SYS = System Info
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

SYS118

Message	The input power supply is not available.
Detailed Description	The input power supply is not avialable because of one of the following reasons: 1) The power cable may not be connected properly or disconnected. 2) There is an input power failure.

Recommended Response Action	Do of the following to resolve the issue: 1) Reconnect the power cord to the power supply unit. 2) Make sure that the input power supply is restored.
Category	System Health
SubCategory	SYS = System Info
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

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TMP Event Messages

TMP5

Message	The temperature probe maximum warning value was changed on*arg1*.
Arguments	• ***arg1*** **=** Enclosure name
Detailed Description	You have changed the value for the maximum temperature probe warning threshold. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	TMP = Temperature
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2154
Server Administrator Trap ID	105100

TMP6

Message	The temperature probe minimum warning value was changed on*arg1*.
Arguments	• ***arg1*** **=** Enclosure name
Detailed Description	You have changed the value for the minimum temperature probe warning threshold. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	TMP = Temperature

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2155
Server Administrator Trap ID	105100

TMP500

Message	The*arg1*sensor has failed with value the*arg2*degrees Celsius.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** temperature
Detailed Description	A temperature sensor identified in the message has failed. This condition can cause system performance issues and degradation in the moitoring capability of the system.
Recommended Response Action	Verify the Embedded System Management (ESM) Log for any sensor related faults. If there is a failed sensor, replace the system board. For more information, contact your service provider.
Category	System Health
SubCategory	TMP = Temperature
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5050
Server Administrator Trap ID	

TMP501

Message	Unable to read the*arg1*sensor value.
Arguments	• ***arg1*** **=** sensor name
Detailed Description	A temperature sensor identified in the message has failed. This condition can cause system performance issues and degradation in the moitoring capability of the system.

Recommended Response Action	Verify the Embedded System Management (ESM) Log for any sensor related faults. If there is a failed sensor, replace the system board. For more information, contact your service provider.
Category	System Health
SubCategory	TMP = Temperature
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5051
Server Administrator Trap ID	

TMP502

Message	The*arg1*sensor has returned to a normal state with a value of*arg2*degrees Celsius.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** temperature
Detailed Description	The sensor identified in the message has returned to a normal state.
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	TMP = Temperature
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5052
Server Administrator Trap ID	5052

TMP503

Message	The*arg1*sensor state has changed to a warning state with a value of*arg2*degrees Celsius.

Arguments	• ***arg1*** = sensor name • ***arg2*** = temperature
Detailed Description	The temperature sensor identified in the message is faulty, or the temperature exceeds the warning threshold. This condition can cause system performance issues and degradation in the moitoring capability of the system.
Recommended Response Action	Verify the Embedded System Management (ESM) Log for any sensor related faults. If there is a failed sensor, replace the system board. For more information, contact your service provider. Otherwise, change the warning threshold for the temperature sensor (if applicable) such that it corresponds to the hardware configuration.
Category	System Health
SubCategory	TMP = Temperature
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5053
Server Administrator Trap ID	5053

TMP504

Message	The*arg1*sensor has detected an error with a value of*arg2*degrees Celsius.
Arguments	• ***arg1*** = sensor name • ***arg2*** = temperature
Detailed Description	The temperature sensor identified in the message is faulty, or the temperature exceeds the critical threshold. This condition can cause system performance issues and degradation in the moitoring capability of the system.
Recommended Response Action	Review system power policy, check system logs for temperature related failures.
Category	System Health
SubCategory	TMP = Temperature
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.

Server Administrator Event ID	5054
Server Administrator Trap ID	5054

TMP505

Message	The*arg1*sensor has failed with a value of*arg2*degrees Celsius.
Arguments	• ***arg1*** = sensor name • ***arg2*** = temperature
Detailed Description	The temperature sensor identified in the message has failed.
Recommended Response Action	Verify the Embedded System Management (ESM) Log for any sensor related faults. If there is a failed sensor, replace the system board. For more information, contact your service provider.
Category	System Health
SubCategory	TMP = Temperature
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5055
Server Administrator Trap ID	5055

TMP1000

Message	*arg1*exceeded the maximum warning threshold.
Arguments	• ***arg1*** = tempsensor name
Detailed Description	The enclosure is too hot. A variety of factors can cause the excessive temperature. For example, a fan may have failed, the thermostat may be set too high, or the room temperature may be too hot.
Recommended Response Action	Check for factors that may cause overheating. For example, verify that the enclosure fan is working. You should check the thermostat settings and examine whether the enclosure is located near a heat source. Make sure the enclosure has enough ventilation and that the room temperature is not too hot. Refer to the enclosure documentation for more diagnostic information.

Category	Storage
SubCategory	TMP = Temperature
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2100
Server Administrator Trap ID	105300

TMP1001

Message	*arg1*has crossed the minimum warning threshold.
Arguments	• ***arg1* =** tempsensor name
Detailed Description	The enclosure is too cold.
Recommended Response Action	Check whether the thermostat setting is too low and whether the room temperature is too cool.
Category	Storage
SubCategory	TMP = Temperature
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2101
Server Administrator Trap ID	105300

TMP1002

Message	*arg1*has exceeded the maximum failure threshold.
Arguments	• ***arg1* =** tempsensor name
Detailed Description	The enclosure is too hot. A variety of factors can cause the excessive temperature. For example, a fan may have failed, the thermostat may be set too high, or the room temperature may be too hot.

Recommended Response Action	Check for factors that may cause overheating. For example, verify that the enclosure fan is working. You should also check the thermostat settings and examine whether the enclosure is located near a heat source. Make sure the enclosure has enough ventilation and that the room temperature is not too hot. Refer to the enclosure documentation for more diagnostic information.
Category	Storage
SubCategory	TMP = Temperature
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2102
Server Administrator Trap ID	105400

TMP1003

Message	*arg1*has crossed the minimum failure threshold.
Arguments	• ***arg1*** **=** tempsensor name
Detailed Description	The enclosure is too cold.
Recommended Response Action	Check whether the thermostat setting is too low and whether the room temperature is too cool.
Category	Storage
SubCategory	TMP = Temperature
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2103
Server Administrator Trap ID	105400

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VDR Event Messages

VDR4

Message	*arg1*was created.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	This message is generated after a virtual disk was created on a controller.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2053
Server Administrator Trap ID	120100

VDR5

Message	*arg1*was deleted.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	The controller removed a virtual disk. This is due to a delete virtual disk operation, a reset configuration operation, or the removal of every physical disk that was a member of the virtual disk.
Recommended Response Action	No response action is required.
Category	Storage

SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2054
Server Administrator Trap ID	120100

VDR6

Message	*arg1*configuration has changed.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2055
Server Administrator Trap ID	120100

VDR7

Message	*arg1*has failed.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	One or more physical disks included in the virtual disk have failed. If the virtual disk is non-redundant (does not use mirrored or parity data), then the failure of a single physical disk can cause the virtual disk to fail. If the virtual disk is redundant, then more physical disks have failed than you can rebuild using mirrored or parity information.

Recommended Response Action	Create a new virtual disk and restore from a backup.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2056
Server Administrator Trap ID	120400

VDR8

Message	*arg1*has become degraded.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	This message occurs when a physical disk in the disk group was removed or when a physical disk included in a redundant virtual disk fails. Because the virtual disk is redundant (uses mirrored or parity information) and only one physical disk has failed, the virtual disk can be rebuilt.
Recommended Response Action	Configure a hot spare for the virtual disk if it is not already configured. Rebuild the virtual disk. If a physical disk was removed from the disk group, either replace the disk or restore the original disk.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2057
Server Administrator Trap ID	120300

VDR9

Message	*arg1*consistency check has started.

Arguments	• ***arg1*** **=** virtual disk
Detailed Description	A consistency check operation on a virtual disk has started.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2058
Server Administrator Trap ID	120100

VDR10

Message	Formatting the*arg1*has started.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2059
Server Administrator Trap ID	120100

VDR11

Message	*arg1*has started initializing.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	This message is generated after initialization of a virtual disk starts.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2061
Server Administrator Trap ID	120100

VDR12

Message	*arg1*reconfiguration has started.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	This message is generated after reconfiguration of a virtual disk starts.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2063

Server Administrator Trap ID	120100

VDR13

Message	*arg1*rebuild has started.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2064
Server Administrator Trap ID	120100

VDR14

Message	The consistency check on*arg1*was cancelled.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	A user cancelled the consistency check operation for a virtual disk.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2067
Server Administrator Trap ID	120100

VDR15

Message	Initialization of*arg1*was cancelled.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	The initialization operation could not be completed. This may be due to a user action or a physical disk failure.
Recommended Response Action	If a physical disk failed, then replace the physical disk. Restart the virtual disk initialization.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2070
Server Administrator Trap ID	120100

VDR16

Message	Consistency check of*arg1*failed.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	A physical disk included in the virtual disk failed or there is an error in the parity information. A failed physical disk causes errors in parity information.
Recommended Response Action	Check that all the physical disks of the virtual disk are in a healthy condition. Replace any disks that are not healthy and restart the operation. If this is not the problem, delete the virtual disk and restore the data to the disk from a backup copy.
Category	Storage

SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2076
Server Administrator Trap ID	120400

VDR17

Message	*arg1*format failed.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	A physical disk included in the virtual disk failed.
Recommended Response Action	Replace the failed physical disk. Identify the failed physical disk by locating the disk that has a red "X" for its status. Rebuild the physical disk. When finished, restart the virtual disk format operation.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2077
Server Administrator Trap ID	120400

VDR18

Message	Initialization of*arg1*has failed.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	A physical disk included in the virtual disk has failed or was removed.

Recommended Response Action	If a physical disk has failed, replace the physical disk. Restart the virtual disk initialization.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2079
Server Administrator Trap ID	120400

VDR19

Message	Reconfiguration of*arg1*has failed.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	The reconfiguration operation was not completed. This may be due to a user action or a physical disk failure.
Recommended Response Action	Recreate the virtual disk and restore data from a backup copy.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2081
Server Administrator Trap ID	120400

VDR20

Message	*arg1*rebuild failed.
Arguments	• ***arg1*** **=** VD Name

Detailed Description	A physical disk included in the virtual disk has failed or is corrupt. You may also have cancelled the rebuild.
Recommended Response Action	Replace the failed or corrupt disk. You can identify a disk that has failed by locating the disk that has a red "X" for its status. Restart the virtual disk rebuild.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2082
Server Administrator Trap ID	120400

VDR21

Message	Consistency check for*arg1*has completed.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	This message is generated after a consistency check completes on a virtual disk.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2085
Server Administrator Trap ID	120100

VDR22

Message	Formatting the*arg1*is completed.

Arguments	• ***arg1*** **=** VD Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2086
Server Administrator Trap ID	120100

VDR23

Message	Initialization of*arg1*has completed.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	This message is generated after initialization completes on a virtual disk.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2088
Server Administrator Trap ID	120100

VDR24

Message	Reconfiguration of*arg1*has completed.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	The re-configuration operation on the virtual disk completed.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2090
Server Administrator Trap ID	120100

VDR25

Message	*arg1*rebuild is completed.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2091

Server Administrator Trap ID	120100

VDR26

Message	The check consistency on a*arg1*has been paused (suspended).
Arguments	• ***arg1*** **=** VD Name
Detailed Description	You paused the Check Consistency operation on a virtual disk.
Recommended Response Action	To resume the Check Consistency operation, right-click the virtual disk in the Storage Management tree view and select Resume Check Consistency.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2114
Server Administrator Trap ID	120100

VDR27

Message	The consistency check on a*arg1*has been resumed.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	The check consistency on a virtual disk has resumed processing after a pause.
Recommended Response Action	This alert is provided for informational purposes.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2115
Server Administrator Trap ID	120100

VDR28

Message	A virtual disk and its mirror have been split.
Detailed Description	A user has caused a mirrored virtual disk to be split. When a virtual disk is mirrored, its data is copied to another virtual disk to maintain redundancy. After being split, both virtual disks retain a copy of the data. Because the mirror is no longer intact, updates to the data are no longer copied to the mirror.
Recommended Response Action	This alert is provided for informational purposes.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2116
Server Administrator Trap ID	120100

VDR29

Message	A mirrored virtual disk has been un-mirrored.
Detailed Description	A mirrored virtual disk is un-mirrored. When a virtual disk is mirrored, its data is copied to another virtual disk to maintain redundancy. After being un-mirrored, the disk formerly used as the mirror returns to being a physical disk and becomes available for inclusion in another virtual disk.
Recommended Response Action	This alert is provided for informational purposes.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)

LCD Message	No LCD message display defined.
Server Administrator Event ID	2117
Server Administrator Trap ID	120100

VDR30

Message	*arg1*write policy has changed.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	A user changed the write policy for a virtual disk.
Recommended Response Action	This alert is provided for informational purposes.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2118
Server Administrator Trap ID	120100

VDR31

Message	Controller cache is preserved for missing or offline*arg1*.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	The controller is getting disconnected from its virtual disk, while Input Output (IO) is in-progress.
Recommended Response Action	Try importing foreign disks, if any. Check if the enclosure containing the Virtual Disk is disconnected from the controller. Insert any disks that are reported missing or failed. If the enclosure or disks were removed intentionally, the preserved cache can be discarded. See storage hardware documentation for more information on performing these steps.

Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2125
Server Administrator Trap ID	120300

VDR32

Message	Background initialization has started for*arg1*.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	Background initialization of a virtual disk has started. This is an automated process that writes the parity or mirror data on newly created virtual disks.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2127
Server Administrator Trap ID	120100

VDR33

Message	Background initialization was cancelled for*arg1*.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	Background initialization of a virtual disk was cancelled. This may be due to user action. This operation may automatically restart.

Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2128
Server Administrator Trap ID	120100

VDR34

Message	Background initialization failed for*arg1*.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	Background initialization of a virtual disk failed.
Recommended Response Action	Run a consistency check on the virtual disk. If that fails, check the health of the member drives of the virtual disk and then recreate.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2129
Server Administrator Trap ID	120400

VDR35

Message	Background initialization has completed for*arg1*.
Arguments	• ***arg1*** **=** virtual disk

Detailed Description	Background initialization of a virtual disk completed.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2130
Server Administrator Trap ID	120100

VDR37

Message	Dead disk segments are restored on*arg1*.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	Disk space that was formerly "dead" or inaccessible to a redundant virtual disk has been restored. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2140
Server Administrator Trap ID	120100

VDR38

Message	*arg1*is renamed.

Arguments	• ***arg1*** **=** VD Name
Detailed Description	A user renamed a virtual disk. This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2159
Server Administrator Trap ID	120100

VDR39

Message	The check consistency has made corrections and completed for*arg1*.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	The virtual disk check consistency has identified errors and made corrections. For example, the check consistency may have encountered a bad disk block and remapped the disk block to restore data consistency. This alert is provided for informational purposes.
Recommended Response Action	This Alert is for informational purposes only and no additional action is required. As a precaution, monitor the Alert Log for other errors related to this virtual disk. If problems persist, contact Dell Technical Support.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2192
Server Administrator Trap ID	120300

VDR40

Message	The reconfiguration of*arg1*has resumed.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	This message is generated after the reconfiguration of a virtual disk resumes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2193
Server Administrator Trap ID	120100

VDR41

Message	*arg1*read policy has changed.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2194

Server Administrator Trap ID	120100

VDR42

Message	Dedicated hot spare assigned physical disk*arg1*.
Arguments	• ***arg1*** **=** args
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2195
Server Administrator Trap ID	120100

VDR43

Message	Dedicated hot spare unassigned physical disk*arg1*.
Arguments	• ***arg1*** **=** args
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2196
Server Administrator Trap ID	120100

VDR44

Message	*arg1*disk cache policy has changed.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2199
Server Administrator Trap ID	120100

VDR45

Message	*arg1*blink has been initiated.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk

Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2244
Server Administrator Trap ID	120100

VDR46

Message	*arg1*blink has ceased.
Arguments	• ***arg1*** = VD Name
Detailed Description	This alert is provided for informational purposes.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2245
Server Administrator Trap ID	120100

VDR47

Message	A disk media error was corrected on*arg1*.
Arguments	• ***arg1*** = virtual disk
Detailed Description	A disk media error was detected while the controller was completing a background task. A bad disk block was identified. The disk block was remapped.
Recommended Response Action	Check the Lifecycle log for information related to members of this virtual disk.

Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2280
Server Administrator Trap ID	120100

VDR48

Message	*arg1*has inconsistent data.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	This alert is provided for informational purposes. The virtual disk has inconsistent data. This may be caused when a power loss or system shutdown occurs while data is being written to the virtual disk.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2281
Server Administrator Trap ID	120100

VDR49

Message	*arg1*is permanently degraded.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	A redundant virtual disk has lost redundancy. This may occur when the virtual disk suffers the failure of more than one physical disk. In this case, both the source

	physical disk and the target disk with redundant data have failed. A rebuild is not possible because there is no longer redundancy.
Recommended Response Action	Replace the failed disks and restore from backup.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2310
Server Administrator Trap ID	120400

VDR50

Message	Background Initialization (BGI) completed with uncorrectable errors on*arg1*.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	The background initialization task encountered errors that cannot be corrected. The virtual disk contains physical disks that have unusable disk space or disk errors that cannot be corrected.
Recommended Response Action	Review other messages to identify whether the physical disk that has errors. If the virtual disk is redundant, you can replace the physical disk and continue using the virtual disk. If the virtual disk is non-redundant, you need to recreate the virtual disk after replacing the physical disk. After replacing the physical disk, run a consistency check to verify the data.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2340
Server Administrator Trap ID	120400

VDR51

Message	The consistency check process made corrections and completed on*arg1*.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	The consistency check completed on the virtual disk after making corrections.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2341
Server Administrator Trap ID	120100

VDR52

Message	The consistency check found inconsistent parity data on*arg1*.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	The data on physical disk members of the virtual disk does not match. Redundancy may be lost.
Recommended Response Action	Rerun the consistency check task. If you receive this message again, verify the health of the physical disks included in the virtual disk. See the storage hardware documentation for more information. Review messages for significant messages related to the physical disks. If a physical disk has a problem, replace it and restore from a backup copy. Contact technical support if the issue persists.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2342
Server Administrator Trap ID	120300

VDR53

Message	The consistency check logging of inconsistent parity data is disabled for*arg1*.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	The consistency check can no longer report errors in the parity data.
Recommended Response Action	See the storage hardware documentation for more information on consistency check operation. Contact technical support.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2343
Server Administrator Trap ID	120300

VDR54

Message	*arg1*initialization is terminated.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	You have cancelled the virtual disk initialization.
Recommended Response Action	Restart the initialization.
Category	Storage
SubCategory	VDR = Virtual Disk

Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2344
Server Administrator Trap ID	120300

VDR55

Message	*arg1*initialization has failed.
Arguments	• ***arg1*** = VD Name
Detailed Description	The controller cannot communicate with attached devices. A disk may be removed or contain errors. Cables may also be loose or defective.
Recommended Response Action	Verify the health of attached devices. Review the Alert Log for significant events. Make sure the cables are attached securely. See the Cables Attached Correctly section for more information on checking the cables.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2345
Server Administrator Trap ID	120400

VDR58

Message	Bad block medium error is detected at block*arg1*on*arg2*.
Arguments	• ***arg1*** = args • ***arg2*** = VD Name
Detailed Description	Virtual disk bad blocks are due to presence of unrecoverable bad blocks on one or more member physical disks.

Recommended Response Action	Recovering a physical disk bad block depends on the RAID level and state of the virtual disk. If a virtual disk is redundant, the controller can recover a bad block on a physical disk. If a virtual disk is not redundant, then the physical disk bad block results in a virtual disk bad block.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2387
Server Administrator Trap ID	120400

VDR91

Message	Consistency check for*arg1*has detected multiple uncorrectable medium errors.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	This message occurs if there are medium errors in the physical drives.
Recommended Response Action	Replace the failed drives.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2396
Server Administrator Trap ID	120400

VDR92

Message	Consistency check for*arg1*has completed with uncorrectable errors.
Arguments	• ***arg1*** **=** virtual disk

Detailed Description	This message occurs if there are medium errors in the physical drives.
Recommended Response Action	Replace the failed drives.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2397
Server Administrator Trap ID	120400

VDR93

Message	*arg1*bad block medium error is cleared.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	This alert message occurs if there are medium errors in the physical drives.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2389
Server Administrator Trap ID	120100

VDR94

Message	Controller preserved cache was recovered for*arg1*.

Arguments	• ***arg1*** **=** virtual disk
Detailed Description	This message occurs if the controller pinned cache is recovered.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2381
Server Administrator Trap ID	75100

VDR97

Message	Patrol Read corrected a media error on*arg1*.
Arguments	• ***arg1*** **=** VD Name
Detailed Description	The Patrol Read task has encountered an error such as a bad disk block and remapped data to correct the error.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2271
Server Administrator Trap ID	90100

VDR100

Message	*arg1*is unavailable because of incompatibilities with the current controller.
Arguments	• ***arg1*** **=** virtual disk
Detailed Description	The virtual disk identified in message cannot be used because of missing features on the current controller. The features may be missing because they are not available in the firmware version on the controller or the necessary licenses are not installed.
Recommended Response Action	Update the controller firmware and license to match the peer controller.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2369
Server Administrator Trap ID	120100

VDR101

Message	Hot Spare Protection policy deviation with severity set at Informational level occured for*arg1*.
Arguments	• ***arg1*** **=** virtual disk names
Detailed Description	The number of hot spares available for the virtual disks identified in the message are not compliant with Hot Spare Protection policy, whose severity is set at Informational level.
Recommended Response Action	Make appropriate assignments of hotspares to meet the policy.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2383
Server Administrator Trap ID	120100

VDR102

Message	Hot Spare Protection policy deviation with severity set at Warning level occured for*arg1*.
Arguments	• ***arg1*** **=** virtual disk names
Detailed Description	The number of hot spares available for the virtual disks identified in the message are not compliant with Hot Spare Protection policy, whose severity is set at Warning level.
Recommended Response Action	Make appropriate assignments of hotspares to meet the policy.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2384
Server Administrator Trap ID	120300

VDR103

Message	Hot Spare Protection policy deviation with severity set at Critical level occured for*arg1*.
Arguments	• ***arg1*** **=** virtual disk names
Detailed Description	The number of hot spares available for the virtual disks identified in the message are not compliant with Hot Spare Protection policy, whose severity is set at Critical level.

Recommended Response Action	Make appropriate assignments of hotspares to meet the policy.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2385
Server Administrator Trap ID	120400

VDR104

Message	Successfully secured*arg1*.
Arguments	• ***arg1 =*** virtual disk name
Detailed Description	The secure virtual disk operation was successful on the security capable virtual disk identified in the message. A security capable virtual disk is created using only Self-Encrypting Drives (SED).
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2393
Server Administrator Trap ID	120100

VDR105

Message	The*arg1*on power save mode drives is available.
Arguments	• ***arg1 =*** virtual disk name

Detailed Description	Virtual Disk creation using power save mode drives successfully completed and the Virtual Disk identified in the message is ready for use.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2403
Server Administrator Trap ID	120100

VDR106

Message	*arg1*on spun down power save mode drives is not available.
Arguments	• ***arg1*** **=** virtual disk name
Detailed Description	This alert is generated after successfully configuring a virtual disk on at least one spundown drive. The virtual disk creation is not yet complete on the remaining spundown drives because the drives are still spinning up.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2404
Server Administrator Trap ID	120100

VDR107

Message	Successfully resized Controller Enhanced cache (*arg1*).
Arguments	• ***arg1 =*** virtual disk name
Detailed Description	The Controller Enhanced cache identified in the message was successfully resized.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2412
Server Administrator Trap ID	120100

VDR108

Message	Successfully created Controller Enhanced cache (*arg1*).
Arguments	• ***arg1 =*** virtual disk name
Detailed Description	The Controller Enhanced cache identified in the message was successfully created.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2413

Server Administrator Trap ID	120100

VDR109

Message	Successfully deleted Controller Enhanced cache (*arg1*).
Arguments	• ***arg1 =*** virtual disk name
Detailed Description	The Controller Enhanced cache identified in the message was successfully deleted.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2414
Server Administrator Trap ID	120100

VDR110

Message	Unrecoverable storage medium error detected on*arg1*.
Arguments	• ***arg1 =*** virtual disk name
Detailed Description	This alert is generated when an unrecoverable storage medium error is detected on the virtual disk. This error can be a prelude to the physical disk disk becoming non-functional.
Recommended Response Action	Make sure a hot spare to the Virtual Disk identified in the message is available and back up the data on the virtual disk.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.

Server Administrator Event ID	2417
Server Administrator Trap ID	120400

VDR111

Message	Corrected disk storage medium error on*arg1*.
Arguments	• ***arg1 =*** virtual disk name
Detailed Description	The controller corrected a disk storage medium error on one of the participating physical disks of the virtual disk identified in the message.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	2418
Server Administrator Trap ID	120100

VDR112

Message	Deleted the*arg1*.
Arguments	• ***arg1 =*** virtual disk
Detailed Description	The controller removed a virtual disk because of a delete virtual disk operation or a reset configuration operation.
Recommended Response Action	No response action is required.
Category	Storage
SubCategory	VDR = Virtual Disk

Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	
Server Administrator Trap ID	

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VLT Event Messages

VLT400

Message	The*arg1*sensor has failed with a value*arg2*Volts.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** voltage
Detailed Description	A voltage sensor identified in the message may have failed. This condition can cause system performance issues and degradation in the moitoring capability of the system.
Recommended Response Action	Do one of the following to resolve the issue: 1) Verify the Embedded System Management (ESM) Log for any sensor related faults. If there is a failed sensor, replace the system board. 2) Re-configure the system to a minimum configuration, and verify if the sensor displays a normal value, otherwise replace the system board. 3) If the sensor identified is a processor voltage sensor, remove the processor module and inspect processor socket, and replace if required. If the issue persists, contact your service provider.
Category	System Health
SubCategory	VLT = Voltage
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5150
Server Administrator Trap ID	

VLT401

Message	Unable to read*arg1*sensor value.
Arguments	• ***arg1*** **=** sensor name
Detailed Description	A voltage sensor identified in the message may have failed. This condition can cause system performance issues and degradation in the moitoring capability of the system.

Recommended Response Action	Do one of the following to resolve the issue: 1) Verify the Embedded System Management (ESM) Log for any sensor related faults. If there is a failed sensor, replace the system board. 2) Re-configure the system to a minimum configuration, and verify if the sensor displays a normal value, otherwise replace the system board. 3) If the sensor identified is a processor voltage sensor, remove the processor module and inspect processor socket, and replace if required. If the issue persists, contact your service provider.
Category	System Health
SubCategory	VLT = Voltage
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5151
Server Administrator Trap ID	

VLT402

Message	The*arg1*sensor has returned to a normal state with a value of*arg2*Volts.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** voltage
Detailed Description	The voltage sensor identified in the message has returned to a normal state.
Recommended Response Action	No response action is required.
Category	System Health
SubCategory	VLT = Voltage
Severity	Severity 3 (Informational)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5152
Server Administrator Trap ID	5152

VLT403

Message	The*arg1*sensor state has changed to a warning state with a value of*arg2*Volts.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** voltage
Detailed Description	The voltage sensor identified in the message is faulty, or the voltage exceeds the preset warning threshold. This condition can cause system performance issues and degradation in the moitoring capability of the system.
Recommended Response Action	Do one of the following to resolve the issue: 1) Verify the Embedded System Management (ESM) Log for any sensor related faults. If there is a failed sensor, replace the system board. 2) Re-configure the system to a minimum configuration, and verify if the sensor displays a normal value, otherwise replace the system board. 3) If the sensor identified is a processor voltage sensor, remove the processor module and inspect processor socket, and replace if required. If the issue persists, contact your service provider.
Category	System Health
SubCategory	VLT = Voltage
Severity	Severity 2 (Warning)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5153
Server Administrator Trap ID	5153

VLT404

Message	The*arg1*sensor detected an error with a value of*arg2*Volts.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** voltage
Detailed Description	The voltage sensor identified in the message is faulty, or the voltage exceeds the preset critical threshold. This condition can cause system performance issues and degradation in the moitoring capability of the system.
Recommended Response Action	Do one of the following to resolve the issue: 1) Verify the Embedded System Management (ESM) Log for any sensor related faults. If there is a failed sensor, replace the system board. 2) Re-configure the system to a minimum configuration, and verify if the sensor displays a normal value, otherwise replace the system board. 3) If the sensor identified is a processor voltage sensor, remove the

	processor module and inspect processor socket, and replace if required. If the issue persists, contact your service provider.
Category	System Health
SubCategory	VLT = Voltage
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5154
Server Administrator Trap ID	5154

VLT405

Message	The*arg1*sensor has failed with a value of*arg2*Volts.
Arguments	• ***arg1*** **=** sensor name • ***arg2*** **=** voltage
Detailed Description	A voltage sensor identified in the message may have failed. This condition can cause system performance issues and degradation in the moitoring capability of the system.
Recommended Response Action	Do one of the following to resolve the issue: 1) Verify the Embedded System Management (ESM) Log for any sensor related faults. If there is a failed sensor, replace the system board. 2) Re-configure the system to a minimum configuration, and verify if the sensor displays a normal value, otherwise replace the system board. 3) If the sensor identified is a processor voltage sensor, remove the processor module and inspect processor socket, and replace if required. If the issue persists, contact your service provider.
Category	System Health
SubCategory	VLT = Voltage
Severity	Severity 1 (Critical)
LCD Message	No LCD message display defined.
Server Administrator Event ID	5155
Server Administrator Trap ID	5155