Dell PowerStore

Events and Alerts Reference Guide

Abstract

This document includes information about the alerts and events messages that can appear or get logged for your Dell PowerStore cluster.

September 2025

Table of contents

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1   Introduction

Alerts and events are one of the core serviceability capabilities available in PowerStore. The system generates several alerts and events based on the health of the cluster or user actions. They are critical in helping you monitor the health of the cluster, troubleshoot issues with your cluster, and triage and fix issues that require attention.

An event indicates that something of interest happened in the system. Normally, an event that requires attention will generate an alert as well. Although the events may be interesting for troubleshooting purposes, it is not necessary to monitor events. Whereas, an alert is a summation of one or more events that need or needed attention. Some events require attention and result in an alert being generated. Other events can update or clear an alert when the system detects a change in the condition that needs attention.

This document lists all the alerts and events that can appear or get logged for your PowerStore cluster. It also includes additional information associated with each alert or event to help you with understanding the events better and troubleshoot underlying issues.

1.1   Monitor an alert or event

You can monitor alerts or events from the following interfaces:

- PowerStore Manager – See the Monitoring page in the PowerStore Manager GUI.
- PowerStore CLI – Use the event or alert commands. For more information on the available arguments and options, see the *PowerStore CLI User Guide*.
- PowerStore REST API – Use the event or alert resource types in the request headers. For more information on the available resource types and options, see the *PowerStore REST API Developers Guide*.

Note: To get notified on alerts or events for your cluster, ensure that you are set up for notifications. For more information, see the *Setting Up PowerStore Manager Guide*.

You can find the latest versions of these documentation resources on the PowerStore Technical Documentation page at http://dell.com/powerstoredocs.

1.2   Information included in an alert or event

In addition to the actual message describing the event, both alerts and events include several fields capturing information such as the severity of the event, the pertinent resource IDs and type of the object affected, the time when the event occurred, the time when the event was cleared, whether the event generated an alert, and so on. This document only includes information on the following noteworthy fields of an event:

- **Event Code** – A hexadecimal unique identifier for the event.
- **Severity** – If applicable, the severity of the event using one of the following levels:
  - Critical – An event with a significant impact on the cluster resulting in loss of ability to perform critical business functions. Such events should be remedied immediately.
  - Major – An event that results in the cluster to work in a degraded or limited capacity. You may still be able to perform business functions, but performance may be impacted.
  - Minor – An event with a minor impact on the cluster with little to no impact to business functions.

- Info – An event that does not impact the cluster performance or functions. No action is required.
- **Alert Raised** – Indicates whether the event also resulted in an alert that got generated.
- **Call Home** – Indicates whether the event resulted in a notification to the Dell Support Center.
- **Repair Flow** – If applicable, steps or recommendations to fix the issue.
- **System Impact** – If applicable, additional information on the impact of the event on the cluster.
- **More Information** – If applicable, a link to a relevant Dell Knowledge Base article.

Note: When multiple alerts are generated for the same issue, differing in severity level (e.g., percentage of capacity utilization), an email (if SMTP server is configured from the PowerStore Manager) is sent only when the severity level changes.

1.3 Additional Resources

As part of an improvement effort, revisions of the software and hardware are periodically released. Therefore, some functions described in this document might not be supported by all versions of the software or hardware currently in use. The product release notes provide the most up-to-date information on product features. Contact your technical support professional if a product does not function properly or does not function as described in this document.

Support, product, and licensing information can be obtained as follows:

Product information

For product and feature documentation or release notes, go to the PowerStore Documentation page at www.dell.com/powerstoredocs.

Troubleshooting

For information about products, software updates, licensing, and service, go to Online Support (registration required) at: www.dell.com/support. After logging in, locate the appropriate Support by Product page.

Technical support

For technical support and service requests, go to Online Support (registration required) at: www.dell.com/support. After logging in, locate Create a service request. To open a service request, you must have a valid support agreement. Contact your Sales Representative for details about obtaining a valid support agreement or to answer any questions about your account.

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2   Alert and Event Messages

The following table lists the alert and event messages that can appear or get logged for your PowerStore cluster:

Note: In general, knowledgebase articles are created for Critical and Major alerts and events, but not for Informational messages. Check the associated knowledge base articles for more details on specific alerts and events.

Note: The alerts message uses the %(var_name) syntax to indicate a variable. The more generally used syntax is <var_name>.

Example:

    Instead of:
    Drive data equalization began on %(node_name).

Can be read as:

    Drive data equalization began on <node_name>.

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00200101	INFO			Drive data equalization began on %(node_name).			
0x00200102	INFO			Drive data equalization finished on %(node_name).			
0x00200201	INFO	TRUE		Drive rebuild began.	No action required.	Cluster performance may be impacted.	
0x00200202	INFO			Drive rebuild finished.			
0x00200204	MAJOR	TRUE	TRUE	Drive rebuild interrupted.	If an expansion enclosure is present, verify cable connections between the node and enclosure. Check for alerts and resolve.	I/O operations are not available.	KB # 000179620
0x00200205	MAJOR	TRUE	TRUE	Drive rebuild paused due to lack of spare space.	Check for drive alerts and resolve. Add additional drives to the system, if available.	Cluster performance may be impacted.	KB # 000179620
0x00200301	CRITICAL	TRUE	TRUE	User tier is offline.	Contact your service provider for assistance.	Read and write operations are not available.	KB # 000130199
0x00200302	INFO			User tier online.			
0x00200401	CRITICAL	TRUE	TRUE	Log data tier is offline.	Contact your service provider for assistance.	Read and write operations are not available.	KB # 000130637
0x00200402	INFO			Log data tier online.			
0x00200501	CRITICAL	TRUE	TRUE	Log metadata tier is offline.	Contact your service provider for assistance.	Read and write operations are not available.	KB # 000130637
0x00200502	INFO			Log metadata tier online.			
0x00200701	CRITICAL	TRUE	TRUE	The %(tier_name) has reached its full capacity.	Add additional storage to the appliance, migrate storage resources within the cluster, or delete volumes/snapshots/clones. Maintain storage utilization level below 85%. For system data out of space: Adding additional storage to the existing appliance may be required.	Writing data is no longer possible until more capacity is made available.	KB # 000123351
0x00200702	INFO			Space utilization is below the hard limit.			
0x00200703	CRITICAL	TRUE	TRUE	Internal Reserved space ran out due to %(tier_name) full.	Contact your service provider immediately for assistance.	Several internal services (such as NAS and GUI) may not operate optimally.	KB # 000193645

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00200802	INFO			User tier uncorrectable error is fixed.			
0x00200902	INFO			Mapper metadata tier uncorrectable error is fixed.			
0x00200A02	INFO			Log metadata tier page descriptor uncorrectable error is fixed.			
0x00200B02	INFO			Log metadata tier metadata page descriptor uncorrectable error is fixed.			
0x00200C02	INFO			Log data tier page buffer uncorrectable error is fixed.			
0x00200D02	INFO			Log data tier metadata page buffer uncorrectable error is fixed.			
0x00200E01	MINOR	TRUE		Physical capacity utilization is above 70 percent.	Add additional storage to the existing appliance or move storage resources within the cluster to another appliance.	Cluster performance may be impacted.	KB # 000123351
0x00200E02	MINOR	TRUE		Physical capacity utilization is above 80 percent.	Add additional storage to the existing appliance or move storage resources within the cluster to another appliance.	Cluster performance may be impacted.	KB # 000123351
0x00200E03	MAJOR	TRUE	TRUE	Physical capacity utilization is above 90 percent.	Add additional storage to the existing appliance or move storage resources within the cluster to another appliance.	Cluster performance may be impacted.	KB # 000123351
0x00200E04	CRITICAL	TRUE	TRUE	Physical capacity utilization is above 95 percent.	Add additional storage to the existing appliance or move storage resources within the cluster to another appliance. If an upgrade is in progress, I/O from the host must be reduced.	Cluster performance may be impacted. Upgrade is not allowed until this issue is resolved.	KB # 000123351
0x00200E05	CRITICAL	TRUE		Physical capacity utilization is above 96 percent.	Add additional storage to the existing appliance or move storage resources within the cluster to another appliance. If an upgrade is in progress, I/O from the host must be reduced.	Cluster performance may be impacted. Upgrade is not allowed until this issue is resolved.	KB # 000123351
0x00200E06	CRITICAL	TRUE		Physical capacity utilization is above 97 percent.	Add additional storage to the existing appliance or move storage resources within the cluster to	Cluster performance may be impacted. Upgrade is not	KB # 000123351

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
					another appliance. If an upgrade is in progress, I/O from the host must be reduced.	allowed until this issue is resolved.	
0x00200E07	CRITICAL	TRUE		Physical capacity utilization is above 98 percent.	Add additional storage to the existing appliance or move storage resources within the cluster to another appliance. If an upgrade is in progress, I/O from the host must be reduced.	Cluster performance may be impacted. Upgrade is not allowed until this issue is resolved.	KB # 000123351
0x00200E08	CRITICAL	TRUE	TRUE	Physical capacity utilization is above 99 percent.	Add additional storage to the existing appliance or move storage resources within the cluster to another appliance. If an upgrade is in progress, I/O from the host must be reduced.	Cluster performance may be impacted. Upgrade is not allowed until this issue is resolved.	KB # 000123351
0x00200E09	INFO			Capacity utilization drops to below 70 percent.			
0x00200E0A	CRITICAL	TRUE	TRUE	Physical capacity utilization increased above 95% during NDU.	Reduce write I/O to the cluster until the NDU is complete. Pause all migrations to the appliance to prevent system capacity from reaching 100%.	Cluster performance and NDU may be impacted.	KB # 000123351
0x00200E0B	CRITICAL	TRUE		Physical capacity increased above 96% during NDU.	Reduce write I/O to the cluster until the NDU is complete. Pause all migrations to the appliance to prevent system capacity from reaching 100%.	Cluster performance and NDU may be impacted.	KB # 000123351
0x00200E0C	CRITICAL	TRUE		Physical capacity utilization increased above 97% during NDU.	Reduce write I/O to the cluster until the NDU is complete. Pause all migrations to the appliance to prevent system capacity from reaching 100%.	Cluster performance and NDU may be impacted.	KB # 000123351
0x00200E0D	CRITICAL	TRUE		Physical capacity utilization increased above 98% during NDU.	Reduce write I/O to the cluster until the NDU is complete. Pause all migrations to the appliance to prevent system capacity from reaching 100%.	Cluster performance and NDU may be impacted.	KB # 000123351
0x00200E0E	CRITICAL	TRUE	TRUE	Physical capacity utilization increased above 99% during NDU.	Reduce write I/O to the cluster until the NDU is complete. Pause all migrations to the appliance to prevent system capacity from reaching 100%.	Cluster performance and NDU may be impacted.	KB # 000123351

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00200F01	CRITICAL	TRUE	TRUE	A storage resource is offline and requires immediate recovery.	Contact your service provider for assistance.	Performance and data availability may be impacted.	KB # 000129532
0x00200F02	MAJOR	TRUE	TRUE	A storage resource requires recovery.	Contact your service provider for assistance.	Performance and data availability may be impacted.	KB # 000129532
0x00200F03	INFO			Storage resource recovery has been completed.			
0x00201001	CRITICAL	TRUE	TRUE	A storage resource is offline and requires immediate recovery.	Contact your service provider for assistance.	Performance, data availability and creation of new storage resources may be impacted.	KB # 000129532
0x00201002	MAJOR	TRUE	TRUE	A storage resource is offline and requires immediate recovery.	Contact your service provider for assistance.	Performance and data availability may be impacted.	KB # 000129532
0x00201003	INFO			Namespace recovery is complete.			
0x00201101	INFO			Drive type for bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) serial number %(serial_number) will not be used in this configuration.			
0x00201201	CRITICAL	TRUE	TRUE	Write cache is degraded. An NVRAM device has been removed or is offline.	Contact your service provider immediately for assistance before taking any action.	Cluster performance may be impacted. High availability is degraded.	KB # 000197297
0x00201202	INFO			Cache is online.			
0x00201301	CRITICAL	TRUE	TRUE	Appliance has entered read-only state due to metadata inconsistencies.	Contact your service provider for assistance.	Appliance operations are degraded. Read I/O operations may result in errors.	KB # 000130199
0x00201302	INFO			Appliance is exiting the read-only state.			
0x00201401	MAJOR	TRUE		Appliance has exited the write protection state with 16%(unit_size) of free capacity.	Add or delete storage resources, or migrate storage resources to another appliance in the cluster.	Cluster performance may be impacted. For optimal performance, make sure that the utilization level is kept below 85%.	KB # 000123351
0x00201402	INFO			Appliance storage utilization level is below			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				85% and it runs normally.			
0x00201501	CRITICAL	TRUE		Appliance cannot exit the Write Protection mode due to insufficient system data capacity.	Add or delete storage resources, or migrate storage resources to another appliance in the cluster.	Appliance remains in the Write Protection mode.	KB # 000123351
0x00201502	INFO			Appliance has exited write protection mode.			
0x00201601	MINOR	TRUE		The capacity utilization of appliance's system data is above 90 percent.	Add additional storage to the appliance.	Cluster performance may be impacted.	KB # 000123354
0x00201602	MAJOR	TRUE	TRUE	The appliance's system data has reached full capacity.	Add additional storage to the appliance or free up space on some storage resources.	Appliance system data storage capacity is limited. Write operations may fail.	KB # 000123354
0x00201603	INFO			The capacity utilization of appliance's system data is below 90 percent.			
0x00201604	MAJOR	TRUE	TRUE	The capacity utilization of appliance's system data is above 95 percent.	Add additional storage to the appliance or free up space on some storage resources.	Cluster performance may be impacted.	KB # 000123354
0x00201701	INFO	TRUE		Drive bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) serial number %(serial_number) is initializing.	Wait for the drive to initialize.	Drive is unavailable until initialization completes.	
0x00201702	INFO			Drive bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) serial number %(serial_number) has initialized.			
0x00201703	INFO			Drive bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) serial number %(serial_number) has failed to initialize.			
0x00201801	CRITICAL	TRUE	TRUE	Boot tier is offline.	Contact your service provider for assistance.	Read and write operations are not available.	KB # 130421
0x00201802	INFO			Boot tier is online.			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00201901	CRITICAL	TRUE	TRUE	Mapper metadata tier is offline.	Check the cabling and connections between the nodes. Also, review any drive or cabling-related alerts and take necessary actions to resolve such issues. If the condition persists, contact your service provider.	Read and write operations are not available.	KB # 130421
0x00201902	INFO			Mapper metadata tier is online.			
0x00201A01	CRITICAL	TRUE	TRUE	Mapper Virtual Large Block (VLB) tier is offline.	Check the cabling and connections between the nodes. Also, review any drive or cabling-related alerts and take necessary actions to resolve such issues. If the condition persists, contact your service provider.	Read and write operations are not available.	KB # 130421
0x00201A02	INFO			Mapper Virtual Large Block (VLB) tier is online.			
0x00201B01	INFO			Appliance is going to run out of storage space.			
0x00201B02	INFO			Space utilization is below the file system out-of-space threshold.			
0x00201C01	CRITICAL	TRUE	TRUE	The snapshot group is offline due to metadata inconsistency.	Contact your service provider for assistance.	Volume I/O and management operations, such as creation of new storage objects, may be impacted for the affected snapshot group.	KB # 000182002
0x00201C02	INFO			Snapshot group metadata inconsistencies have been resolved.			
0x00201D01	CRITICAL	TRUE	TRUE	Volume data uncorrectable error at LBA = %(lba), length = %(length).	Contact your service provider for assistance.	Volume or volume group I/O may be impacted.	KB # 000197298
0x00201E01	INFO			Data Path is online.			
0x00202001	CRITICAL	TRUE	TRUE	Advanced dedupe feature enabled. Do not use this appliance as production.	Contact your service provider.	This feature is currently used only for lab environment.	KB # 000200705
0x00202002	INFO			Advanced dedupe feature disabled.			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00202101	INFO	TRUE		NVRAM cache card rebuild began on %(node_name).	No action required.	Cluster performance may be impacted.	
0x00202102	INFO			NVRAM cache card rebuild finished on %(node_name).			
0x00202201	MAJOR	TRUE		Data on drive bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) serial number %(serial_number) is corrupted.	Contact your service provider for assistance.	Data on one drive is corrupted. Cluster performance may be impacted. Read and write operations may not available.	KB # 207909
0x00202202	INFO			Drive corruption is cleared.			
0x00202301	INFO			Usable space increased.			
0x00202401	MAJOR	TRUE		Drive tolerance resilience is degraded. Do not remove additional drives.	Wait for the rebuild to complete before removing any additional drives.	Cluster performance may be impacted. Removal of additional drives may lead to data unavailability or data loss.	KB # 000221123
0x00202402	CRITICAL	TRUE	TRUE	The appliance is offline due to drive tolerance resilience being compromised.	Do not remove additional drives. If this offline alert is due to too many drives being removed, exceeding drive tolerance resilience, the drives should be returned to the system and the rebuild will complete. Contact your service provider if this offline alert is due to faulted drives, exceeding drive tolerance resilience. This may have resulted in data loss which may require restoring from protection.	Read and write operations are not available.	KB # 000221123
0x00202403	INFO			Drive tolerance resilience has been restored.			
0x00202501	CRITICAL	TRUE	TRUE	Appliance is in read-only mode because too many SSD drives have excessive wear.	Contact your service provider for assistance.	Writing data is blocked until recovery is performed.	KB # 000221124
0x00202502	INFO			Appliance is recovered from read-only mode.			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				Writing data is unblocked.			
0x00202601	INFO			Appliance will be in read-only mode because too many SSD drives have excessive wear.			
0x00202602	INFO			Appliance is recovered from read-only mode.			
0x00300301	INFO			none			
0x00300401	INFO			Clear alerts for object %(removed_object_name) of type %(removed_object_type).			
0x00300D02	MINOR			Cluster state was changed from %(old_value) to %(sys_state_for_cp).			
0x00300D03	MINOR			Cluster state was changed from %(old_value) to %(sys_state_for_cp).			
0x00300D04	MINOR			Cluster state was changed from %(old_value) to %(sys_state_for_cp).			
0x00300D05	CRITICAL	TRUE	TRUE	The cluster service is stopping. Stop reason is: %(stopped_reason).		The cluster is not servicing IOs.	KB # 000191484
0x00300D06	CRITICAL	TRUE	TRUE	The cluster service has stopped. Stopped type is: %(sys_stop_type), stopped reason is: %(stopped_reason).		The cluster is not servicing IOs.	KB # 000191484
0x00300D07	MINOR	TRUE	TRUE	The cluster is in the process of starting.			KB # 000191484
0x00300D08	CRITICAL	TRUE	TRUE	The cluster initialization has failed.	This may indicate a failure during the creation of the cluster.	The cluster has failed to start and is not servicing IOs.	KB # 000191484
0x00300D0C	CRITICAL	TRUE	TRUE	The cluster service has failed to stop.		The cluster is not servicing IOs.	KB # 000191484
0x00300D0E	MINOR			Cluster state was changed from %(old_value) to %(sys_state_for_cp).			
0x00300E01	MINOR			Cluster stop mode was changed			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				from %(old_value) to %(sys_stop_type) state.			
0x00300E02	MINOR			Cluster stop mode was changed from %(old_value) to %(sys_stop_type) state.			
0x00300E03	MINOR			Cluster stop mode was changed from %(old_value) to %(sys_stop_type) state.			
0x00300E04	MAJOR	TRUE	TRUE	Cluster stop failure.	Failure during cluster service stop.	Cluster may not be servicing IOs.	KB # 000191485
0x00300E06	MAJOR	TRUE	TRUE	Cluster service stop is in progress.	The cluster is performing an unorderly system stop.	The cluster is in the process of stopping data services.	KB # 000191485
0x00300E07	MAJOR	TRUE	TRUE	Cluster stop is in progress.		The cluster is in the process of stopping data services. Cluster will not service IOs.	KB # 000191485
0x00300F02	CRITICAL	TRUE	TRUE	Cluster has stopped due to multiple Drive failures in Expansion Enclosure.		Cluster is down, cluster is not servicing IOs.	KB # 000191487
0x00300F03	CRITICAL	TRUE	TRUE	Cluster has stopped because Expansion Enclosure is inaccessible (failed, powered off or disconnected).		Cluster is down, cluster is not servicing IOs.	KB # 000191487
0x00300F04	CRITICAL	TRUE	TRUE	User has requested the cluster to stop.		Cluster is down (user initiated), cluster is not servicing IOs.	KB # 000191487
0x00300F06	CRITICAL	TRUE	TRUE	The cluster is unable to start (SYM has failed to load).		Cluster is down, cluster is not servicing IOs.	KB # 000191487
0x00300F07	CRITICAL	TRUE	TRUE	A software-related condition caused the cluster to stop.		Cluster is down, cluster is not servicing IOs.	KB # 000191487
0x00300F08	CRITICAL	TRUE	TRUE	A hardware-related condition caused the cluster to stop.		Cluster is down, cluster is not servicing IOs.	KB # 000191488

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00300F09	CRITICAL	TRUE	TRUE	Cluster has stopped because the high availability mechanism has failed to utilize resources of alternative components.		Cluster is down, cluster is not servicing IOs.	KB # 000191488
0x00300F0B	CRITICAL	TRUE	TRUE	Expansion Enclosure connectivity issue.		Cluster is down, cluster is not servicing IOs.	KB # 000191488
0x00300F0C	CRITICAL	TRUE	TRUE	Cluster powered down by user.		Cluster is down, cluster is not servicing IOs.	KB # 000191488
0x00300F0D	CRITICAL	TRUE	TRUE	Two Nodes of the same Appliance failed.		Cluster is down, cluster is not servicing IOs.	KB # 000191488
0x00301101	MINOR	TRUE		Cluster manager is running, but it is disconnected from XMS due to %(sys_mgr_conn_error_reason).	Try to identify the root cause of the disconnection between the XMS and the Cluster Manager (SYM running on Node).This may be related to IP communication, or a process that has stopped unexpectedly.	The XMS is no longer showing real-time system information (including Events/Alerts, and performance information). The cluster may be up and servicing IOs.If the system goes down, the XMS will not reflect its status.	
0x00301201	MINOR			Key Manager Service is functioning properly.			
0x00301202	MAJOR	TRUE	TRUE	Key Manager Service is degraded.	Contact your service provider.	Drives cannot be added to or removed from the system.	KB # 000181999
0x00301301	INFO			Keystore backup is up-to-date.			
0x00301302	INFO	TRUE		New keystore changes have occurred.	A keystore backup is recommended. To back up the keystore archive, go to Settings > Security > Encryption and download the backup file to a safe external location.	It is recommended that you download a backup of the keystore and store it in a safe location outside the system.	
0x00301501	MINOR			Encryption is not supported on this drive.			
0x00301502	MINOR			Encryption is supported on this drive. But, it has not been configured yet.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00301503	MINOR			Encryption is supported on this drive and the drive has been locked.			
0x00301504	MINOR			Drive has been fully configured and is in use.			
0x00301505	MAJOR	TRUE	TRUE	The cluster does not have the authentication credentials needed to unlock the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).	Reseat the drive.	The drive is unusable.	KB # 000132286
0x00301506	MAJOR	TRUE	TRUE	A foreign drive has been inserted in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).	Repurpose the drive for use in this cluster.	The drive cannot be used in the cluster.	KB # 000132286
0x00301507	MINOR			The encryption status of the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(encryption_status).			
0x00301508	MINOR			The encryption status of the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(encryption_status).			
0x00301601	INFO			The drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(tcg_compliance).			
0x00301602	MAJOR	TRUE		The drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot)	Replace the drive. Refer to the Installation and Service Guide for more information.	The drive is not usable.	KB # 000132286

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				is not compliant with the TCG specification.			
0x00301603	INFO			The drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(tcg_compliance).			
0x00301604	INFO			The drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(tcg_compliance).			
0x00301701	MINOR			The drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(fips_status).			
0x00301702	INFO			The drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(fips_status).			
0x00301703	INFO			The drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(fips_status).			
0x00301704	MAJOR	TRUE		The drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) does not meet FIPS requirements.	Replace the drive. Refer to the Installation and Service Guide for more information.	The drive is not usable.	KB # 000124918
0x00301C01	MINOR	TRUE	TRUE	Mutual CHAP is enabled, but not configured for some initiators.	Configure authentication credentials for the initiators. Otherwise, a failure will occur when an initiator is disconnected and then re-connected.	Initiator is not available until credentials are assigned.	KB # 000125540

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00301C02	INFO			Mutual CHAP is enabled and all initiators have been configured.			
0x00301D01	INFO			CHAP is enabled and all initiators have been configured.			
0x00301D02	MINOR	TRUE	TRUE	CHAP is enabled, but not configured for some initiators.	Configure authentication credentials for the initiators. Otherwise, a failure will occur when an initiator is disconnected and then re-connected.	Initiator is not available until credentials are assigned.	KB # 000125540
0x00301F01	MINOR			Appliance state was changed from %(old_value) to %(brick_state).			
0x00301F02	MAJOR	TRUE	TRUE	XMS has detected an Appliance that is not configured to be part of a cluster.		The Appliance will not be used by the cluster.	KB # 000128574
0x00302001	INFO			The slot state in bus %(bus_num) enclosure %(encl_num) slot %(slot_num) was changed from %(old_value) to %(slot_state).			
0x00302002	INFO			The slot state in bus %(bus_num) enclosure %(encl_num) slot %(slot_num) was changed from %(old_value) to %(slot_state).			
0x00302003	MINOR	TRUE		Unsupported disk type or model was detected in bus %(bus_num) enclosure %(encl_num) slot %(slot_num).	Replace the unsupported Drive. Refer to the FRU Replacement Procedures for details.	The Drive cannot be used by the cluster.	
0x00302004	MINOR	TRUE		The system detected an uninitialized drive in bus %(bus_num) enclosure %(encl_num) slot %(slot_num).	If this alert persists for 30 minutes, follow the replacing drive procedure in the FRU Replacement Procedures document, and if this procedure failed, contact your service provider for assistance.	The Drive cannot be used by the cluster.	
0x00302005	MINOR	TRUE		Foreign Drive from a different Appliance or cluster detected in	To use this Drive in this Appliance follow the replacing Drive procedure in the FRU Replacement	Drive will not be used until added to the cluster.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				bus %(bus_num) enclosure %(encl_num) slot %(slot_num). id=%(ssd_uid).	Procedures document. Note that the data will be ereased from the Drive.		
0x00302006	MAJOR	TRUE	TRUE	The drive in bus %(bus_num) enclosure %(encl_num) slot %(slot_num) is faulted due to an error: %(slot_failure_re ason).	If this alert persists for 30 minutes, follow the "Replace a faulted drive" procedure in the PowerStore Installation and Service guide. If this procedure fails, contact your service provider for assistance.	Drive in this slot will not be used.	KB # 000128574
0x00302007	MAJOR	TRUE	TRUE	The drive in bus %(bus_num) enclosure %(encl_num) slot %(slot_num) has conflicting information reported between the nodes.	If this alert persists for 30 minutes, contact your service provider for assistance.	Drive in this slot may not be used.	KB # 000280590
0x00302008	MAJOR	TRUE	TRUE	The drive in bus %(bus_num) enclosure %(encl_num) slot %(slot_num) has failed.	Follow the "Replace a faulted drive" procedure in the PowerStore Installation and Service guide. If this procedure fails, contact your service provider for assistance.	Drive in this slot will not be used.	KB # 000280590
0x00302009	MAJOR	TRUE	TRUE	The drive in bus %(bus_num) enclosure %(encl_num) slot %(slot_num) has failed.	Follow the "Replace a faulted drive" procedure in the PowerStore Installation and Service guide. If this procedure fails, contact your service provider for assistance.	Drive in this slot will not be used.	KB # 000280590
0x00302501	INFO			D-modules are balanced on this Node.			
0x00302502	INFO			D-module had performed failover. Failback is NOT allowed at this time.			
0x00302503	INFO			D-module had performed failover. System is healthy and has restarted D-module to regain full SAS capacity.			
0x00302901	INFO			Node's state has changed from %(old_value) to %(node_health_state).			
0x00302902	MINOR			Node's state has changed from %(old_value)			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				to %(node_health_state).			
0x00302903	MINOR			Node's state has changed from %(old_value) to %(node_health_state).			
0x00302904	MINOR			Node's state has changed from %(old_value) to %(node_health_state).			
0x00302B01	INFO			The Node state was changed from %(old_value) to %(node_state).			
0x00302B02	MAJOR			The Node is not configured as part of the cluster.			KB # 000132703
0x00302B03	MAJOR			The Node is in the process of stopping.			KB # 000132703
0x00302B04	MAJOR			The Node has stopped.			KB # 000132703
0x00302B07	MAJOR			The Node is in the process of starting services.			KB # 000132703
0x00302B08	MAJOR	TRUE		The Node has failed to start services.			KB # 000132703
0x00302B0A	MAJOR			The Node is not configured as part of the cluster. Node is waiting for activation.			KB # 000132703
0x00302E01	INFO			SAS port 1 rate changed from %(old_value) to %(sas1_port_rate)			
0x00302E02	MINOR			SAS port is partial rate of 6GBPS.			
0x00302E03	MINOR	TRUE		SAS port is running at partial rate of 3GBPS.			
0x00302E05	MINOR			SAS port rate cannot be determined			
0x00302F01	INFO			SAS port 2 rate has changed from %(old_value) to %(sas2_port_rate)			
0x00302F02	MINOR			SAS port is partial rate of 6GBPS.			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00302F03	MINOR	TRUE		SAS port is running at partial rate of 3GBPS.			
0x00302F05	MINOR			SAS port is unknown rate.			
0x00303501	INFO			Node IPMI voltage health state was changed from %(old_value) to %(voltage_health_st ate).			
0x00303502	MINOR			Node voltage IPMI information is unavailable.			
0x00303503	MINOR			IPMI reported abnormal voltage levels.			
0x00303504	MINOR			IPMI reported abnormal voltage levels.			
0x00303505	MAJOR	TRUE	TRUE	IPMI reported abnormal voltage levels.	Replace the faulted node. Refer to the Installation and Service Guide for more information.	There is no impact on the cluster as long as the peer node within the appliance is healthy. In case current node reboots, it will get marked as faulted on the subsequent boot up.	
0x00303506	MAJOR	TRUE	TRUE	IPMI reported abnormal voltage levels.	The Node has failed. Use the Service and Installation guide to identify and replace the faulty component.	Data availability and performance may be degraded.	KB # 000124934
0x00303601	INFO			Node internal IPMI processors health state was changed from %(old_value) to %(internal_sensor_h ealth_state).			
0x00303602	MINOR			Internal IPMI processors health status is unavailable.			
0x00303603	MINOR			Internal processors reported with abnormal values.			
0x00303604	MINOR			Internal processors reported with abnormal values.			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00303605	MINOR			Internal processors reported with abnormal values.			
0x00303606	MINOR			Internal processors reported with abnormal values.			
0x00303E01	INFO			Node SAS port 1 state was changed from %(old_value) to %(sas1_hba_port_h ealth_level).			
0x00303E02	MINOR	TRUE		SAS port 1 link health status cannot be determined.			
0x00303E03	MINOR	TRUE		SAS port 1 link is sub-optimal.			
0x00303E04	MINOR	TRUE		SAS port 1 link is sub-optimal.			
0x00303E05	MAJOR	TRUE	TRUE	SAS port 1 link is faulty.			KB # 000182003
0x00303E06	MAJOR	TRUE	TRUE	SAS port 1 link is faulty.			KB # 000182003
0x00303F01	INFO			Node SAS port 2 state was changed from %(old_value) to %(sas2_hba_port_h ealth_level).			
0x00303F02	MINOR	TRUE		SAS port 2 link health status cannot be determined.			
0x00303F03	MINOR	TRUE		SAS port 2 link is sub-optimal.			
0x00303F04	MINOR	TRUE		SAS port 2 link is sub-optimal.			
0x00303F05	MAJOR	TRUE	TRUE	SAS port 2 link is faulty.			KB # 000182003
0x00303F06	MAJOR	TRUE	TRUE	SAS port 2 link is faulty.			
0x00304001	INFO			Node front panel temperature sensor state has changed from %(old_value) to %(node_fp_temperat ure_state).			
0x00304002	MINOR	TRUE		Temperature of the node or one of its components is getting high.	Check your environmental controls.	If high temperatures persist, the node may shut down.	
0x00304003	CRITICAL	TRUE	TRUE	Node temperature is critically high.	Check your environmental controls. Check for hardware-related alerts and take appropriate action.	There is no impact on the cluster as long as the peer node within the	KB # 000132703

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						appliance is healthy. In case both nodes experience this issue, the appliance will shut down.	
0x00304004	MINOR			The node temperature sensor is reporting an invalid status.			
0x00304201	INFO			Node stop type was changed from %(old_value) to %(node_stop_type). Stop reason is: %(node_stop_reason)			
0x00304202	MAJOR	TRUE		Node has stopped gracefully.			
0x00304203	MAJOR	TRUE		Node has stopped.	Check for hardware-related node alerts and take appropriate action. If issue persists, contact your service provider.	Data availability and performance may be degraded.	KB # 000132703
0x00304204	MINOR			Node stop process has failed. Cluster is in unrecoverable state and data integrity is suspected.			
0x00304205	MINOR			Node is in the process of graceful stop.			
0x00304206	MINOR			Node is in the process of immediate stop.			
0x00304207	MINOR			Node stop type was changed from %(old_value) to %(node_stop_type). Stop reason is: %(node_stop_reason)			
0x00304301	INFO			The enabled state for the Node has changed from %(old_value) to %(enabled_state).			
0x00304302	MAJOR	TRUE		The Node was deactivated (disabled) by user request.			
0x00304303	INFO			The Node has been deactivated by the cluster. Reason for deactivation			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				is %(system_disabled_reason)			
0x00304401	INFO			The node lifecycle state has changed from %(old_value) to %(fru_lifecycle_state).			
0x00304402	INFO			Node is initializing.			
0x00304403	CRITICAL	TRUE	TRUE	Node has faulted.	Replace the faulted node. Refer to the Installation and Service Guide for more information.	Data availability and performance may be degraded.	KB # 000132707
0x00304404	MAJOR	TRUE	TRUE	Node has been physically removed or shut down.	The node is not connected or is in the process of rebooting. Verify that the node is properly connected, or replace the node. Refer to the Installation and Service Guide for information on replacing the component.	Data availability and performance may be degraded.	KB # 000132703
0x00304405	MINOR			Node is not initialized.			
0x00304406	MINOR			Node preparation failed.			
0x00304407	INFO			Node has been replaced.			
0x00304901	INFO			Node Fatal Error state changed from %(old_value) to %(node_fatal_error)			
0x00304902	MAJOR	TRUE		The Node had failed with Fatal Error.			
0x00304F01	INFO			Node SAS port 1 (connected to Expansion Enclosure) connectivity issue was %(old_value) and is now %(sas1_port_misconfiguration).			
0x00304F02	MAJOR	TRUE		Node SAS port 1 is connected to the wrong LCC.			
0x00304F03	MAJOR	TRUE		Node SAS port 1 is connected to the wrong port of the LCC.			
0x00304F04	MAJOR	TRUE		Node SAS port 1 is not connected to the Expansion Enclosure of this Nodes Base Enclosure.			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00305001	INFO			Node SAS port 2 (connected to Expansion Enclosure) connectivity issue was %(old_value) and is now %(sas2_port_misc onfiguration).			
0x00305002	MAJOR	TRUE		Node SAS port 2 is connected to the wrong LCC.			
0x00305003	MAJOR	TRUE		Node SAS port 2 is connected to the wrong port of the LCC.			
0x00305004	MAJOR	TRUE		Node SAS port 2 is not connected to the Expansion Enclosure of this Node's Base Enclosure.			
0x00305301	INFO			The health state of interconnect port 1 has changed from %(old_value) to %(ib1_port_health_st ate).			
0x00305302	MAJOR	TRUE	TRUE	Interconnect port 1 is degraded.	Check the state of the peer Node. One or both Nodes may need to be restarted or reseated in the BaseEnclosure.	Cluster performance may be degraded.	KB # 000129882
0x00305303	MAJOR	TRUE	TRUE	Interconnect port 1 has failed.	Check the state of the peer Node. One or both Nodes may need to be restarted or reseated in the BaseEnclosure.	Cluster performance may be degraded.	KB # 000129882
0x00305401	INFO			The health state of interconnect port 2 has changed from %(old_value) to %(ib2_port_health_st ate).			
0x00305402	MAJOR	TRUE	TRUE	Interconnect port 2 is degraded.	Check the state of the peer Node. One or both Nodes may need to be restarted or reseated in the BaseEnclosure.	Cluster performance may be degraded.	KB # 000129882
0x00305403	MAJOR	TRUE	TRUE	Interconnect port 2 has failed.	Check the state of the peer Node. One or both Nodes may need to be restarted or reseated in the BaseEnclosure.	Cluster performance may be degraded.	KB # 000129882

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00305501	INFO			Node IPMI BMC connection state has changed from %(old_value) to %(ipmi_bmc_connected).			
0x00305502	INFO			Node IPMI BMC connection state has changed from %(old_value) to %(ipmi_bmc_connected).			
0x00305503	MAJOR	TRUE	TRUE	Node IPMI BMC connection is no longer active.	Shut down the node, unseat it from the enclosure, and reseat it again. If the issue persists, contact your service provider.	Hardware monitoring may be degraded.	KB # 000130723
0x00305601	MINOR			Internal M.2 boot module has changed from %(old_value) to %(disk_failure).			
0x00305602	MAJOR	TRUE	TRUE	Internal M.2 boot module is empty.	Refer to the Installation and Service Guide to install a supported Internal M.2 boot module.	Performance may be degraded.	KB # 000130340
0x00305603	MAJOR	TRUE	TRUE	Internal M.2 boot module is expected to be empty but contains a disk.			KB # 000130340
0x00305604	MAJOR	TRUE	TRUE	Internal M.2 boot module is not supported.	Replace it with a supported M.2 boot module. Refer to the Installation and Service Guide for more information.	Performance may be degraded.	KB # 000130340
0x00305605	MAJOR			Internal M.2 boot module has errors or is faulted.	Replace the internal M.2 boot module. Refer to the Installation and Service Guide for more information.	Performance may be degraded.	KB # 000130340
0x00305606	MAJOR	TRUE	TRUE	Internal M.2 boot module is not initialized.	If the issue persists, contact your service provider.	Performance may be degraded.	KB # 000130340
0x00305701	MINOR			The enabled state for the internal M.2 boot module has changed from %(old_value) to %(enabled_state).			
0x00305702	MAJOR		TRUE	The InternalM.2BootModule was deactivated (disabled) by user request.			KB # 000130340

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00305703	MAJOR		TRUE	The cluster has disabled the InternalM.2BootModule .			KB # 000130340
0x00305801	MINOR			Lifecycle state of the internal M.2 boot module has changed from %(old_value) to %(fru_lifecycle_state).			
0x00305802	MINOR			Internal M.2 boot module is initializing.			
0x00305803	MAJOR	TRUE	TRUE	Internal M.2 boot module has faulted.	Replace the faulted component. Refer to the Installation and Service Guide for more information.	Performance may be degraded.	KB # 000130340
0x00305804	MAJOR	TRUE	TRUE	Internal M.2 boot module is disconnected.	Verify that the internal M.2 boot module is properly seated. If the issue persists, replace the component. Refer to the Installation and Service Guide for more information.	Performance may be degraded.	KB # 000130340
0x00305805	MINOR			Internal M.2 boot module is not initialized.			
0x00305806	MINOR			Internal M.2 boot module prepare failed.			
0x00305807	INFO			Internal M.2 boot module has been replaced.			
0x00305901	INFO			Node's power supply unit has a %(power_failure) power status.			
0x00305902	INFO			Node's power supply unit has a %(power_failure) power status.			
0x00305903	MAJOR			Node's power supply unit has a %(power_failure) power status.			KB # 000130715
0x00305904	INFO			Node's power supply unit has a %(power_failure) power status.			
0x00305905	MAJOR			Node's power supply unit has			KB # 000130715

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				a %(power_failure) power status.			
0x00305906	MAJOR			Node's power supply unit has a %(power_failure) power status.			KB # 000130715
0x00305A01	INFO			The enabled state of the node power supply unit has changed from %(old_value) to %(enabled_state).			
0x00305A02	INFO			The enabled state of the node power supply unit has changed from %(old_value) to %(enabled_state).			
0x00305A03	INFO			The enabled state of the node power supply unit has changed from %(old_value) to %(enabled_state).			
0x00305B01	INFO			Lifecycle state of the node's power supply unit has changed from %(old_value) to %(fru_lifecycle_state).			
0x00305B02	MINOR			Node's power supply unit is initializing.			
0x00305B03	MAJOR	TRUE	TRUE	Node's power supply unit has faulted.	Replace the power supply unit. Refer to the Installation and Service Guide for more information.	There is no impact on the node as long as the peer node power supply is healthy.	KB # 000130715
0x00305B04	MAJOR	TRUE		Node's power supply unit is disconnected.	Try reseating the power supply unit. If the issue persists, replace the power supply unit. Use the Installation and Service Guide for more information.	There is no impact on the node as long as the peer node power supply is healthy.	KB # 000130715
0x00305B05	INFO			Node's power supply unit is not initialized.		There is no impact on the node as long as the peer node power supply is healthy.	
0x00305B06	INFO			Node's power supply unit prepare failed.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00305B07	MAJOR	TRUE		Node's power supply unit slot is empty.	Insert a supported power supply unit. Refer to the Installation and Service Guide for more information.	There is no impact on the node as long as the peer node power supply is healthy.	KB # 000130715
0x00305B08	INFO			Node's power supply unit has been replaced.			
0x00305C01	MAJOR	TRUE		Node's power supply unit has no input power.	Ensure that there is power to the appliance. If the issue persists, replace the power cable.	There is no impact on the node as long as the peer node power supply is healthy.	KB # 000130715
0x00305C02	INFO			Input state of the node's power supply unit has changed to %(input).			
0x00305C03	INFO			Input state of the node's power supply unit has changed to %(input).			
0x00305C04	MAJOR	TRUE		Node's power supply unit input voltage is too low.	The Power Supply input voltage must be high line input. Low line input is not acceptable, should use step-up-transformer to set up high line input.		
0x00305C05	MINOR	TRUE		Node's power supply unit is on standby power.	Check the Power Supply input to see if it is correct. Refer to the Installation and Service Guide for more information.		
0x00306A02	MINOR	TRUE	TRUE	Drive add request for bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has not completed successfully.	The drive should be logically removed and then added again using the CLI or GUI.		
0x00306A03	MINOR	TRUE	TRUE	Drive modify request for bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has not completed successfully.			
0x00306A04	MINOR	TRUE	TRUE	Drive remove request for bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has not completed successfully.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00306C01	INFO			Drive wear level (endurance) for bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed to %(percent_endurance_remaining_level).			
0x00306C02	MINOR	TRUE	TRUE	Wear level (endurance) of the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) is low. The remaining wear level for this drive is %(percent_endurance_remaining)%.	Contact your service provider.	Drive will be used until the drive fails or endurance is exhausted.	KB # 000128681
0x00306C03	MAJOR	TRUE	TRUE	Wear level (endurance) of the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) is very low and has reached a critical level. The remaining wear level for this drive is %(percent_endurance_remaining)%.	Contact your service provider.	Drive will be used until the drive fails or endurance is exhausted.	KB # 000128681
0x00306C04	CRITICAL	TRUE	TRUE	Drive endurance level for bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) is exhausted. The remaining wear level for this drive is %(percent_endurance_remaining)%.	Contact your service provider.	Drive will be used until the drive fails.	KB # 000128681
0x00306D01	MINOR			Drive diagnostic state for bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) was changed from %(old_value) to %(diagnostic_health_state).		As long as all other drives are healthy, and there still free space to rebuild if another drive fails the impact on cluster is minimal. Cluster performance may be impacted.	
0x00306D02	MINOR	TRUE	TRUE	State of the drive in bus %(bus_num)		As long as all other drives are healthy,	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				enclosure %(encl_num) slot %(enclosure_slot) cannot be determined. The drive state is unknown.		and there still free space to rebuild if another drive fails the impact on cluster is minimal. Cluster performance may be impacted.	
0x00306D03	MINOR			Diagnostics detected a minor problem for drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).	Indicates that a SMART warning was detected or IO error detected.	As long as all other drives are healthy, and there still free space to rebuild if another drive fails, the impact on cluster is minimal.	KB # 000131180
0x00306D04	MINOR	TRUE	TRUE	Diagnostics detected a problem for drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).	Replace the drive.	A SMART 5D error has been detected. As long as other drives are healthy, the impact on the cluster is minimal.	KB # 000131180
0x00306D05	MAJOR	TRUE	TRUE	Diagnostics detected a major problem for drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).		As long as all other drives are healthy, and there still free space to rebuild if another drive fails the impact on cluster is minimal.	KB # 000131180
0x00306D06	MAJOR	TRUE	TRUE	Diagnostics detected a critical problem for drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).		As long as all other drives are healthy, and there still free space to rebuild if another drive fails the impact on cluster is minimal.	KB # 000131180
0x00306E01	MINOR			Link 1 state for drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) was changed from %(old_value) to %(ssd_link1_health_ state).			
0x00306E02	MINOR	TRUE	TRUE	Link 1 state of drive in %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) cannot be determined.		As long as the other Node link is working as expected or link 2 is functional, the impact on cluster is minimal.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				The drive state is unknown.		Performance may be degraded.	
0x00306E03	MINOR	TRUE	TRUE	Diagnostics detected a minor problem in link 1 of the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).	Contact your service provider for assistance.	As long as the other node link is working or link 2 is functional, the impact on cluster is minimal. Performance may be degraded.	KB # 000131180
0x00306E04	MINOR	TRUE	TRUE	Diagnostics detected a problem in link 1 of the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).	Contact your service provider for assistance.	As long as the other node link is working as expected or link 2 is functional the impact on cluster is minimal. Cluster performance may be degraded.	
0x00306E05	MAJOR	TRUE	TRUE	Cluster diagnostics detected a major problem in link 1 of drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).		As long as the other Node link is working as expected or link 2 is functional the impact on cluster is minimal. Cluster performance may be degraded.	KB # 000131180
0x00306E06	MAJOR	TRUE	TRUE	Cluster diagnostics detected a critical problem in link 1 of drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).		As long as the other Node link is working as expected or link 2 is functional the impact on cluster is minimal. Cluster performance may be degraded.	KB # 000131180
0x00306F01	MINOR			Link 2 state for drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) was changed from %(old_value) to %(ssd_link2_health_state).			
0x00306F02	MINOR	TRUE	TRUE	Link 2 state of drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) cannot be determined.		As long as the other Node link is working as expected or link 1 is functional impact on cluster is minimal. Cluster	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				The drive state is unknown.		performance may be degraded.	
0x00306F03	MINOR	TRUE	TRUE	Diagnostics detected a minor problem in link 2 of drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).	Contact your service provider for assistance.	As long as the other node link is working as expected or link 1 is functional, the impact is minimal. Performance may be degraded.	
0x00306F04	MINOR	TRUE	TRUE	Cluster diagnostics detected a problem in link 2 of drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).		As long as the other Node link is working as expected or link 1 is functional impact on cluster is minimal. Cluster performance may be degraded.	
0x00306F05	MAJOR	TRUE	TRUE	Cluster diagnostics detected a major problem in link 2 of drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).		As long as the other Node link is working as expected or link 1 is functional impact on cluster is minimal. Cluster performance may be degraded.	KB # 000131180
0x00306F06	MAJOR	TRUE	TRUE	Cluster diagnostics detected a critical problem in link 2 of drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).		As long as the other Node link is working as expected or link 1 is functional impact on cluster is minimal. Cluster performance may be degraded.	KB # 000131180
0x00307001	MINOR			The enabled state for drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(enabled_state).			
0x00307002	MAJOR	TRUE	TRUE	Drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) was manually disabled by user request.	Verify in logs that are no issues. Consider replacing the drive.	Drive will not be used in the DPG group.	KB # 000131180

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00307003	MAJOR	TRUE	TRUE	The cluster has disabled the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot). It will no longer be in service.	Verify in logs that are no issues. Consider replacing the drive.	Drive will not be used in the DPG group.	KB # 000131180
0x00307101	INFO			Drive lifecycle state in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(fru_lifecycle_state).			
0x00307102	INFO			Drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) is initializing.			
0x00307103	CRITICAL	TRUE	TRUE	Drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has failed for this reason: %(ssd_failure_reason).	Verify that there are no related alerts. You may need to replace the drive. Refer to the reason for further action.	Drive has been removed from service.	KB # 126594
0x00307104	MAJOR	TRUE		Drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has been removed.	Verify that the drive is correctly inserted. If the issue persists, you may need to replace the drive. Refer to the Installation and Service Guide for more information.	Drive has been removed from service.	KB # 000126594
0x00307105	MINOR	TRUE		Drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) is not initialized.	Addition of the drive has failed. Contact your service provider.	Drive is not in service.	
0x00307106	MINOR	TRUE	TRUE	The firmware upgrade failed for the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).	Contact your service provider.	The firmware upgrade failure may affect drive operation.	
0x00307107	MINOR			Drive state for bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) needs to be reported.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00307108	MINOR	TRUE		Drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) needs reset after the drive firmware upgrade.			
0x00307201	INFO			Firmware version state for the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(fw_version_error).			
0x00307202	INFO			Firmware is in process of being upgraded for drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).			
0x00307203	INFO			Firmware version state for the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(fw_version_error).			KB # 000125397
0x00307204	INFO			A firmware upgrade is required for the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot).	Upgrade the drive firmware for optimal drive operation.	The drive firmware is not the latest version. Upgrading the drive firmware to the latest version will improve the drive stability and performance.	
0x00307301	INFO			Drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) has changed from %(old_value) to %(dieh_action_state).			
0x00307302	MAJOR	TRUE	TRUE	Drive in bus %(bus_num) enclosure %(encl_num)	Verify that there are no related alerts. You may need to replace the drive.	Drive is not in service.	KB # 000131180

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				slot %(enclosure_slot) has failed.			
0x00307303	MAJOR	TRUE	TRUE	Drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) associated data have been resulted.	Please send the resulting files to Dell.		KB # 000131180
0x00307304	MAJOR	TRUE	TRUE	Drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) needs replacement.	Contact Dell to replace the drive.		KB # 000131180
0x00307401	INFO			Port state has changed from %(old_value) to %(port_state).			
0x00307402	INFO			Port link is down but not in use.			
0x00307403	INFO			Port link status is unknown.			
0x00307404	MAJOR	TRUE	TRUE	Port link is down.	Check cabling, your SFP connectors, and connectivity to the port. Check for other hardware-related alerts and take appropriate action. If the issue persists, contact your service provider.	Data availability and performance may be degraded.	KB # 000129881
0x00307405	MINOR	TRUE		Port link speed in each node of the appliance do not match.	Install identical components on each node of the appliance to ensure that port link speeds match. It is recommended that you always install components in pairs.	Performance may be degraded.	KB # 000129881
0x00307701	MAJOR	TRUE	TRUE	Internal sub-process is not active.		Node may not serve IOs.	
0x00307702	MINOR			Internal sub-process state has changed from %(old_value) to %(xenv_state).			
0x00307703	MINOR			Internal sub-process state has changed from %(old_value) to %(xenv_state).			
0x00307704	MINOR			Internal sub-process state has changed from %(old_value) to %(xenv_state).			
0x00307705	MAJOR	TRUE	TRUE	Internal sub-process is failed.			KB # 000216734

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00307706	MAJOR			Internal sub-process state has changed from %(old_value) to %(xenv_state).		Node may not serve IOs.	
0x00307707	MAJOR	TRUE	TRUE	Internal sub-process state is performing fail-over.		Internal sub-process is in the process of fail-over into the other Node.	
0x00307708	INFO	TRUE	TRUE	Internal sub-process state is performing fail-back as part of process recovery.		Internal sub-process is in the process of failing back into the other Node. Cluster performance may be impacted for s short period of time during the fail-back process.	KB # 000200700
0x00307901	INFO			The enabled state of bus %(bus_num) enclosure %(encl_num) %(identification)'s port A has changed from %(old_value) to %(sas1_port_enabled_state).			
0x00307902	MINOR			The enabled state of bus %(bus_num) enclosure %(encl_num) %(identification)'s port A has changed from %(old_value) to %(sas1_port_enabled_state).			
0x00307903	MINOR	TRUE	TRUE	Port A on bus %(bus_num) enclosure %(encl_num) %(identification) is not healthy and has been disabled.	Verify port A connectivity to the expansion enclosure. Try reinserting or replacing the cable.	Performance may be degraded.	KB # 000205553
0x00307A01	INFO			The enabled state of bus %(bus_num) enclosure %(encl_num) %(identification)'s port B has changed from %(old_value) to %(sas2_port_enabled_state).			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00307A02	MINOR		TRUE	The enabled state of bus %(bus_num) enclosure %(encl_num) %(identification)'s port B has changed from %(old_value) to %(sas2_port_enabled_state).			KB # 000132975
0x00307A03	MINOR	TRUE	TRUE	Port B on bus %(bus_num) enclosure %(encl_num) %(identification) is not healthy and has been disabled.	Verify port B connectivity to the expansion enclosure. Try reinserting or replacing the cable.	Performance may be degraded.	KB # 000205553
0x00307D01	INFO			Bus %(bus_num) Enclosure %(encl_num) %(identification) SAS1 Port health level was changed from %(old_value) to %(sas1_port_health_level).			
0x00307D02	MINOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) SAS1 port health level information is unavailable. The cluster is unable to read the information.	Troubleshoot connectivity from SAS port of SC to the Expansion Enclosure - cable reseat, cable replace or Expansion Enclosure/SC SAS port issue. In case an alert was fired stating issues with the Expansion Enclosure, there is no need to execute the above mentioned steps. Refer to the Hardware Installation and Upgrade Guide to determine the corresponding SC and port.	Overall cluster impact is limited as long as the other LCC's SAS port is healthy.	KB # 000128500
0x00307D03	MINOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) health status is marginal.		Overall cluster impact is limited as long as the other LCC's SAS port is healthy.	KB # 000128500
0x00307D04	MINOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) SAS Port1 health level is limited.		Overall cluster impact is limited as long as the other LCC's SAS Port is healthy.	KB # 000128500
0x00307D05	MAJOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) SAS1 port health level is		Overall cluster impact is limited as long as the other	KB # 000128500

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				problematic. Attention is required.		LCC's SAS port is healthy.	
0x00307D06	MAJOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) SAS1 port health level is faulty. Immediate attention is required.		Overall cluster impact is limited as long as the other LCC's SAS port is healthy.	KB # 000128500
0x00307E01	INFO			Bus %(bus_num) Enclosure %(encl_num) %(identification) SAS2 Port health level was changed from %(old_value) to %(sas2_port_health_level).			
0x00307E02	MINOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) SAS2 port health level information is unavailable. The cluster is unable to read the information.		Overall cluster impact is limited as long as the other LCC's SAS port is healthy.	KB # 000130344
0x00307E03	MINOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) health status is marginal.	Troubleshoot connectivity from SAS port of SC to the Expansion Enclosure - cable reseat, cable replace or Expansion Enclosure/SC SAS port issue. In case an alert was fired stating issues with the Expansion Enclosure, there is no need to execute the above mentioned steps. Refer to the Hardware Installation and Upgrade Guide to determine the corresponding SC and port.	Overall cluster impact is limited as long as the other LCC's SAS port is healthy.	KB # 000130344
0x00307E04	MINOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) SAS Port2 health level is limited.		Overall cluster impact is limited as long as the other LCC's SAS Port is healthy.	KB # 000130344
0x00307E05	MAJOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) SAS2 port health level is problematic. Attention is required.		Overall cluster impact is limited as long as the other LCC's SAS port is healthy.	KB # 000128500

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00307E06	MAJOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) SAS2 port health level is faulty. Immediate attention is required.		Overall cluster impact is limited as long as the other LCC's SAS port is healthy.	KB # 000128500
0x00307F01	INFO			Bus %(bus_num) enclosure %(encl_num) %(identification) port A state has changed from %(old_value) to %(sas1_port_state).			
0x00307F02	MAJOR	TRUE	TRUE	Bus %(bus_num) enclosure %(encl_num) %(identification) port A is down.	Check cables and connections. If the issue persists, contact your service provider.	Connectivity from node to the expansion enclosure is down. Performance may be degraded.	KB # 000128500
0x00307F03	MINOR			Bus %(bus_num) enclosure %(encl_num) %(identification) port A state has changed from %(old_value) to %(sas1_port_state).			
0x00308001	INFO			Bus %(bus_num) enclosure %(encl_num) %(identification) port B state has changed from %(old_value) to %(sas2_port_state).			
0x00308002	MINOR	TRUE	TRUE	Bus %(bus_num) enclosure %(encl_num) %(identification) port B is down.	Check cables and connections. If the issue persists, contact your service provider.	Connectivity from node to the expansion enclosure is down. Performance may be degraded.	KB # 000130344
0x00308003	MINOR			Bus %(bus_num) enclosure %(encl_num) %(identification) port B state has changed from %(old_value) to %(sas2_port_state).			
0x00308101	INFO			State of Bus %(bus_num) Enclosure %(encl_num) %(identification) was changed			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				from %(old_value) to %(enabled_state).			
0x00308102	MAJOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) was manually disabled by user request.			KB # 000127711
0x00308103	MAJOR	TRUE	TRUE	The cluster has disabled Bus %(bus_num) Enclosure %(encl_num) %(identification). It will no longer be in service.		Cluster performance may be impacted as the LCC is disabled.	KB # 000127711
0x00308201	INFO			Lifecycle state of Expansion enclosure controller has changed from %(old_value) to %(fru_lifecycle_state).			
0x00308202	MINOR			Expansion enclosure controller is initializing.			
0x00308203	MAJOR	TRUE	TRUE	Expansion enclosure controller has failed.	Contact your service provider.	Performance may be degraded.	KB # 000127711
0x00308204	MAJOR	TRUE	TRUE	Expansion enclosure controller is disconnected.	Contact your service provider.	Performance may be degraded.	KB # 000127711
0x00308205	MINOR	TRUE	TRUE	Expansion enclosure controller is uninitialized.	If problem persists, contact your service provider.	Performance may be degraded.	KB # 000128500
0x00308206	MINOR	TRUE	TRUE	Expansion enclosure controller has failed to prepare.	If problem persists, contact your service provider.	Performance may be degraded.	KB # 000128500
0x00308207	INFO	TRUE		Expansion enclosure controller has been replaced.			
0x00308301	INFO			Firmware version of Bus %(bus_num) Enclosure %(encl_num) %(identification) is %(fw_version_error). Current firmware version is %(fw_version).			
0x00308302	INFO	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) firmware is in process of being upgraded.			KB # 000125397

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00308303	MAJOR	TRUE	TRUE	Firmware version of Bus %(bus_num) Enclosure %(encl_num) %(identification) is incompatible. The LCC cannot be used.		Cluster performance may be impacted.Cluster will continue to serve IOs as long as the alternative LCC is healthy.	KB # 000125397
0x00308304	MINOR	TRUE	TRUE	Firmware version of Bus %(bus_num) Enclosure %(encl_num) %(identification) is incorrect. The cluster will try to use the LCC.		If the LCC is used, there should will be no impact on cluster.Otherwise as long as the alternative LCC is healthy impact on cluster is limited.	
0x0030840B	INFO			Bus %(bus_num) Enclosure %(encl_num) %(identification) health state was changed from %(old_value) to %(lcc_health_level).			
0x0030840C	MINOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) health information is unavailable. The cluster is unable to read the information.		Overall cluster impact is limited as long as the other LCC is healthy.	KB # 000128500
0x0030840D	MINOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) health status is marginal.		Overall cluster impact is limited as long as the other LCC is healthy.	KB # 000128500
0x0030840E	MINOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) health status is limited.		Overall cluster impact is limited as long as the other LCC is healthy.	KB # 000128500
0x0030840F	MAJOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) health status is problematic. Attention is required.		Overall cluster impact is limited as long as the other LCC is healthy.	KB # 000127711
0x00308410	MAJOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) health status is faulty.		Overall cluster impact is limited as long as the other LCC is healthy.	KB # 000127711

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				Immediate attention is required.			
0x00308502	MINOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) PHY %(phy_ports[].phy_index) health information is unavailable. The cluster is unable to read the information.			KB # 000128500
0x00308503	MINOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) health status is marginal.			KB # 000128500
0x00308504	MINOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) PHY %(phy_ports[].phy_index) health status is limited.		Overall cluster impact is limited as long as the other LCC is healthy.	KB # 000128500
0x00308505	MAJOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) PHY %(phy_ports[].phy_index) health status is problematic. Attention is required.			KB # 000128500
0x00308506	MAJOR	TRUE	TRUE	Bus %(bus_num) Enclosure %(encl_num) %(identification) PHY %(phy_ports[].phy_index) health status is faulty. Immediate attention is required.			KB # 000128500
0x00308601	MAJOR	TRUE	TRUE	Expansion enclosure power supply in bus %(bus_num) enclosure %(encl_num) %(location) has no input power.	Ensure that the power cables are plugged in to the expansion enclosure power supply correctly.	No impact on cluster as long as the alternate power source for expansion enclosure is healthy.	KB # 000130344
0x00308602	INFO			Input state of the expansion enclosure power supply in bus %(bus_num) enclosure %(encl_num)			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				%(location) has changed to %(input).			
0x00308701	INFO			The Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion Enclosure PSU has %(power_failure).			
0x00308702	MAJOR	TRUE	TRUE	No AC feed to the Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion Enclosure PSU was detected.	Examine the the Expansion Enclosure PSU, it could be the power-cord is loose on the Expansion Enclosure PSU.	No impact on cluster as long as the alternative power source for Expansion Enclosure is healthy.	KB # 000130344
0x00308703	MAJOR	TRUE	TRUE	The Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion Enclosure PSU AC is out of range.	Examine the the Expansion Enclosure PSU, it could be the power-cord is loose on the Expansion Enclosure PSU.	No impact on cluster as long as the alternative power source for Expansion Enclosure is healthy.	KB # 000130344
0x00308704	MAJOR	TRUE	TRUE	The Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion Enclosure PSU AC failure was detected.	Examine the the Expansion Enclosure PSU, it could be the power-cord is loose on the Expansion Enclosure PSU.Replace power cable, if needed..	No impact on cluster as long as the alternative power source for Expansion Enclosure is healthy.	KB # 000130344
0x00308801	INFO			State of the Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion Enclosure PSU was changed from %(old_value) to %(enabled_state).			
0x00308802	MAJOR	TRUE	TRUE	The Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion Enclosure PSU was manually disabled by user request.		No impact on cluster as long as the alternative power source for Expansion Enclosure is healthy.	KB # 000130344
0x00308803	MAJOR	TRUE	TRUE	The cluster has disabled the Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion		No impact on cluster as long as the alternative power source for Expansion	KB # 000130344

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				Enclosure PSU. It will no longer be in service.		Enclosure is healthy.	
0x00308901	INFO			Lifecycle state of the bus %(bus_num) enclosure %(encl_num) %(location) power supply has changed from %(old_value) to %(fru_lifecycle_state).			
0x00308902	MINOR			The bus %(bus_num) enclosure %(encl_num) %(location) power supply is initializing.			
0x00308903	MAJOR	TRUE	TRUE	The bus %(bus_num) enclosure %(encl_num) %(location) power supply unit has failed.	(1) Reseat the power supply unit. (2) If the issue remains, replace the power supply unit. Refer to the Installation and Service. (3) If the issue persists, contact your service provider.	There is no impact on the cluster as long as the alternative power source for the expansion enclosure is healthy.	KB # 000130344
0x00308904	MAJOR	TRUE	TRUE	The bus %(bus_num) enclosure %(encl_num) %(location) power supply unit is disconnected.	(1) Reseat the power supply unit. (2) If the issue remains, replace the power supply unit. Refer to the Installation and Service. (3) If the issue persists, contact your service provider.	There is no impact on the cluster as long as the alternative power source for the expansion enclosure is healthy.	KB # 000130344
0x00308905	MINOR	TRUE	TRUE	The Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion Enclosure PSU is not initialized.	(1) Reseat the power supply unit. (2) If the issue remains, replace the power supply unit. Refer to the Installation and Service. (3) If the issue persists, contact your service provider.	No impact on cluster as long as the alternative power source for Expansion Enclosure is healthy.	KB # 000130344
0x00308906	MINOR	TRUE	TRUE	The Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion Enclosure PSU failed to be replaced.	Initialize the Expansion Enclosure PSU into the system using the Expansion Enclosure PSU replacement procedure.	No impact on cluster as long as the alternative power source for Expansion Enclosure is healthy.	KB # 000130344
0x00308907	INFO	TRUE		The Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion		No impact on cluster as long as the alternative power source for	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				Enclosure PSU has been replaced.		Expansion Enclosure is healthy.	
0x00308A01	INFO			Firmware version of the Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion Enclosure PSU is %(fw_version_error). Current firmware version is %(fw_version).			
0x00308A02	INFO	TRUE	TRUE	The firmware of Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion Enclosure PSU is in process of being upgraded.			KB # 000125397
0x00308A03	MAJOR	TRUE	TRUE	Firmware version of the Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion Enclosure PSU is incompatible. The PSU cannot be used.		No impact on cluster as long as the alternative power source for Expansion Enclosure is healthy.	KB # 000125397
0x00308A04	MINOR	TRUE	TRUE	Firmware version of the Bus %(bus_num) Enclosure %(encl_num) %(location) Expansion Enclosure PSU is incorrect. The cluster will try to use the PSU.		If Expansion Enclosure PSU can be used, there will be no impact on cluster.Otherwise as long as the alternative Expansion Enclosure PSU is healthy there will be no impact on cluster.	KB # 000130344
0x00308B01	INFO			Lifecycle state of the expansion enclosure %(encl_num) at bus %(bus_num) has changed from %(old_value) to %(fru_lifecycle_state).			
0x00308B02	MINOR			Expansion enclosure %(encl_num)			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				at bus %(bus_num) is initializing.			
0x00308B03	MAJOR	TRUE	TRUE	Expansion enclosure %(encl_num) at bus %(bus_num) has faulted.	Check for hardware-related alerts and take appropriate action. If the issue persists, contact your service provider.	Data availability and performance may be degraded.	KB # 000130344
0x00308B04	MAJOR	TRUE	TRUE	Expansion enclosure %(encl_num) at bus %(bus_num) is disconnected.	Check your cables and connections. Try reconnecting the expansion enclosure. If the issue persists, contact your service provider.	Performance may be degraded.	KB # 000130344
0x00308B05	MINOR	TRUE	TRUE	Expansion enclosure %(encl_num) at bus %(bus_num) is not initialized.	Wait for the expansion enclosure to initialize. If the issue persists, contact your service provider.	Performance may be degraded.	
0x00308B06	MINOR	TRUE	TRUE	Expansion enclosure %(encl_num) at bus %(bus_num) failed to prepare.	If the issue persists, contact your service provider.	Performance may be degraded.	
0x00308B07	INFO	TRUE		Expansion enclosure %(encl_num) at bus %(bus_num) has been replaced.			
0x00308C01	MINOR			Enabled state of the battery backup module is unknown.			
0x00308C02	INFO			The enabled state of the battery backup module has changed from %(old_value) to %(enabled_state).			
0x00308C04	MAJOR	TRUE	TRUE	The battery backup module has been disabled.	Wait for the battery backup module to initialize. If the issue persists, replace the battery backup module. Refer to the Installation and Service Guide for more information.	Data high availability may be degraded.	KB # 000124921
0x00308D01	MINOR			The battery backup module's charge state is unknown.			
0x00308D02	INFO			Battery backup module is fully charged.			
0x00308D04	MINOR			Battery backup module is not fully charged.			
0x00308D05	MAJOR	TRUE	TRUE	Battery backup module has not fully charged in the expected time frame.	Replace the battery backup module. Refer to the Installation and Service Guide for more information.	Data high availability may be degraded.	KB # 000124921

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00308D06	MINOR	TRUE	TRUE	Battery backup module is ready but aging is detected.	Recommend to replace the battery backup module. Refer to the Installation and Service Guide for more information.		KB # 000188274
0x00308E01	MINOR			InternalBatteryBackup Module's selftest state is unknown.			
0x00308E02	INFO			InternalBatteryBackup Module's selftest is running.			
0x00308E03	INFO			The selftest state for InternalBatteryBackup Module has changed from %(old_value) to %(selftest_state).			
0x00308E04	MAJOR		TRUE	InternalBatteryBackup Module's selftest failed.			KB # 000124921
0x00308E05	MINOR			The selftest state for InternalBatteryBackup Module has changed from %(old_value) to %(selftest_state).			
0x00308F01	INFO			Lifecycle state of the battery backup module has changed from %(old_value) to %(fru_lifecycle_state).			
0x00308F02	INFO			Battery backup module is initializing.			
0x00308F03	MAJOR	TRUE	TRUE	Battery backup module has faulted.	Replace the battery backup module. Refer to the Installation and Service Guide for more information.	Data high availability may be degraded.	KB # 000124921
0x00308F04	MAJOR	TRUE		Battery backup module is disconnected.	Try reseating the battery backup module. If the issue persists, replace the battery backup module. Refer to the Installation and Service Guide for more information.	Data high availability may be degraded.	KB # 000124921
0x00308F05	MINOR			InternalBatteryBackup Module is not initialized.			
0x00308F06	MAJOR			InternalBatteryBackup Module prepare failed.			KB # 000124921
0x00308F07	MINOR			Lifecycle state of the battery backup module has changed from %(old_value)			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				to %(fru_lifecycle_state).			
0x00308F08	INFO			InternalBatteryBackup Module has been replaced.	No action is required.		
0x00309001	INFO			Firmware upgrade state of Bus %(bus_num) Enclosure %(encl_num) %(identification) was changed from %(old_value) to %(fw_upgrade_state). Current firmware version is %(fw_version).			
0x00309002	MINOR			Firmware upgrade state of Bus %(bus_num) Enclosure %(encl_num) %(identification) was changed from %(old_value) to %(fw_upgrade_state). Current firmware version is %(fw_version).			
0x00309003	MINOR			Firmware upgrade state of Bus %(bus_num) Enclosure %(encl_num) %(identification) was changed from %(old_value) to %(fw_upgrade_state). Current firmware version is %(fw_version).			
0x00309004	MINOR			Firmware upgrade state of Bus %(bus_num) Enclosure %(encl_num) %(identification) was changed from %(old_value) to %(fw_upgrade_state). Current firmware version is %(fw_version).			
0x00309005	MINOR			Firmware upgrade state of Bus %(bus_num) Enclosure %(encl_num			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				) %(identification) was changed from %(old_value) to %(fw_upgrade_state). Current firmware version is %(fw_version).			
0x00309006	MINOR			Firmware upgrade state of Bus %(bus_num) Enclosure %(encl_num) %(identification) was changed from %(old_value) to %(fw_upgrade_state). Current firmware version is %(fw_version).			
0x00309007	MINOR			Firmware upgrade state of Bus %(bus_num) Enclosure %(encl_num) %(identification) was changed from %(old_value) to %(fw_upgrade_state). Current firmware version is %(fw_version).			
0x00309008	MINOR			Firmware upgrade state of Bus %(bus_num) Enclosure %(encl_num) %(identification) was changed from %(old_value) to %(fw_upgrade_state). Current firmware version is %(fw_version).			
0x00309101	INFO			The Node IOM was manually disabled by user request.			
0x00309102	INFO			The enabled state of the Node IOM has changed from %(old_value) to %(enabled_state).			
0x00309103	MAJOR	TRUE	TRUE	The cluster has disabled the Node IOM.	Reboot the affected node. Refer to the Dell PowerStore Power Down		KB # 000179596

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
					and Reboot Procedures Guide for more information.		
0x00309201	INFO			Lifecycle state of the component has changed from %(old_value) to %(fru_lifecycle_state).			
0x00309202	INFO			Lifecycle state of the component has changed from %(old_value) to %(fru_lifecycle_state).			
0x00309203	MAJOR	TRUE	TRUE	Node's IOM has failed.	The I/O module has failed. Use the Service and Installation guide to identify and replace the faulty component.		KB # 000125540
0x00309204	MINOR	TRUE		Node's IOM is disconnected from the cluster.	The I/O module is not connected. Verify that the I/O module is properly connected, or replace the I/O module. Use the Service and Installation guide to troubleshoot the faulty component.		
0x00309205	INFO			Lifecycle state of the component has changed from %(old_value) to %(fru_lifecycle_state).			
0x00309206	INFO			Lifecycle state of the component has changed from %(old_value) to %(fru_lifecycle_state).			
0x00309207	INFO			Lifecycle state of the component has changed from %(old_value) to %(fru_lifecycle_state).			
0x00309208	INFO			IOM has been replaced.	No action is required.		
0x00309301	INFO			The Node's Fan Module was manually disabled by user request.			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00309302	INFO			The enabled state of the node's fan module has changed from %(old_value) to %(enabled_state).			
0x00309303	INFO			The cluster has disabled the Node's Fan Module.			
0x00309401	INFO			Lifecycle state of the node's fan module has changed from %(old_value) to %(fru_lifecycle_state).			
0x00309402	INFO			Node's fan module is initializing.			
0x00309403	MAJOR	TRUE	TRUE	Node's fan module has faulted.	Replace the fan module. Refer to the Installation and Service Guide for more information. If the issue persists, contact your service provider.	System cooling may be degraded.	KB # 000130726
0x00309404	MINOR	TRUE		Node's fan module is disconnected.	(1) Reseat the fan power cable. (2) If issue remains, , replace the fan module. (3) If the issue persists, contact your service provider.	System cooling may be degraded.	
0x00309405	INFO			Node's fan module is not initialized.			
0x00309406	INFO			Node's Fan Module prepare failed.			
0x00309407	INFO			Lifecycle state of the node's fan module has changed from %(old_value) to %(fru_lifecycle_state).			
0x00309501	INFO			Lifecycle state of the node's DIMM has changed from %(old_value) to %(fru_lifecycle_state).			
0x00309502	INFO			Node's DIMM is initializing.			
0x00309503	MAJOR	TRUE	TRUE	Node's DIMM has faulted.	Replace the DIMM. Refer to the Installation and Service Guide for more information.	Performance and system availability is impacted. System has lost appliance node redundancy.	KB # 000132975

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00309504	MAJOR	TRUE		Node's DIMM is disconnected.	Try reseating the DIMM. If the issue persists, replace the DIMM. Refer to the Installation and Service Guide for more information.	Performance and system availability is impacted. System has lost appliance node redundancy.	KB # 000132975
0x00309505	INFO			Node's DIMM is not initialized.			
0x00309506	INFO			Node's DIMM prepare failed.			
0x00309507	INFO			Lifecycle state of the node's DIMM has changed from %(old_value) to %(fru_lifecycle_state).			
0x00309508	INFO			Node's DIMM has been replaced.			
0x00309601	INFO			The Node DIMM was manually disabled by user request.			
0x00309602	INFO			The enabled state of the node's DIMM has changed from %(old_value) to %(enabled_state).			
0x00309603	INFO			The cluster has disabled the Node DIMM.			
0x00309604	INFO			The enabled state of the node's DIMM has changed from %(old_value) to %(enabled_state).			
0x00309701	MINOR			Lifecycle state of the Base Enclosure has changed from %(old_value) to %(fru_lifecycle_state).			
0x00309702	MINOR			Base Enclosure is initializing.			
0x00309703	MAJOR	TRUE	TRUE	Base Enclosure has faulted.	Contact your service provider.	Performance may be degraded.	KB # 000145558
0x00309704	MINOR	TRUE		BaseEnclosure is disconnected from the cluster.	The BaseEnclosure is not connected. Verify that the BaseEnclosure is properly connected, or replace the BaseEnclosure. Use the Service		

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				and Installation guide to troubleshoot the faulty BaseEnclosure.			
0x00309705	MINOR			Base Enclosure is not initialized.			
0x00309706	INFO			Base Enclosure has been replaced.			
0x00309801	MAJOR		TRUE	The Node BaseEnclosure was manually disabled by user request.			KB # 000145558
0x00309802	MINOR			The enabled state of the Base Enclosure has changed from %(old_value) to %(enabled_state).			
0x00309803	MAJOR		TRUE	The cluster has disabled the Appliance Base Enclosure.			KB # 000145558
0x00309901	INFO			Discovery CHAP is enabled and all initiators have been configured.			
0x00309902	MINOR	TRUE	TRUE	Discovery CHAP is enabled, but not configured for some initiators.	Add discovery credentials to the initiators. Otherwise, a failure will occur when an initiator is disconnected and then reconnected.	Initiator is not available until discovery credentials are assigned.	KB # 000182000
0x00309A01	INFO			Activate state of the component has changed from %(old_value) to %(reported_iom_acti vate_state).			
0x00309A02	INFO			Node's IOM has been activated.			
0x00309A03	CRITICAL	TRUE		Node's IOM is not activated yet.	Activate your IOM.	Expansion enclosure can not be used.	KB # 000280592
0x00309B01	INFO			PowerStore is in the process of initializing the NVMe expansion enclosure Access Module.			
0x00309B02	INFO			NVMe expansion enclosure Access Module has been properly identified.			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00309B03	MAJOR	TRUE	TRUE	One of the NVMe expansion enclosure Access Modules has not been correctly identified.	Contact your service provider for assistance.	System is in a degraded state.	KB # 000280592
0x00309E01	INFO			PowerStore is in the process of initializing the NVMe expansion enclosure Access Module.			
0x00309E02	INFO			The NVMe expansion enclosure Access Module is connected to all expansion drives.			
0x00309E03	MAJOR	TRUE	TRUE	The NVMe expansion enclosure Access Module is disconnected from at least two expansion drives.	Contact your service provider for assistance.	System is in a degraded state.	KB # 000280592
0x0030A001	MINOR			SFP lifecycle state has changed from %(old_value) to %(fru_lifecycle_state).			
0x0030A002	MINOR			SFP has failed.			
0x0030A003	MINOR			SFP is not inserted.			
0x0030A004	MINOR			SFP is not initialized.			
0x0030A005	MINOR			sfp is disconnected			
0x0030A006	MINOR			SFP has been replaced.			
0x0030A101	INFO			SFP failure state has changed from %(old_value) to %(new_value).			
0x0030A102	MINOR			SFP failure state is unknown.			
0x0030A103	MINOR	TRUE		The inserted SFP is not supported.	Replace the SFP with a supported one.	Data availability and performance may be degraded.	KB # 000130738
0x0030A104	MINOR	TRUE		SFP modules inserted in each node of the appliance do not match.	Install identical SFP modules (same supported speeds and connector types) on each node of the appliance. It is recommended that you always install SFP modules in pairs.	Performance may be degraded.	KB # 000130738
0x0030A105	MINOR	TRUE		SFP module is not inserted or seated correctly.	Insert or reseat the SFP module.	Data availability and performance may be degraded.	KB # 000130738

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030A106	MAJOR	TRUE	TRUE	The SFP's inventory data is corrupted, resulting in an EEPROM checksum error.	Replace the SFP. Review the Installation and Service Guide for more information.	Data availability and performance may be degraded.	KB # 000130738
0x0030A107	MINOR	TRUE		Speeds supported by the SFP module are not supported by the port into which it is inserted.	Replace it with an SFP module with speed types compatible to those of the port.	Data availability and performance may be degraded.	KB # 000130738
0x0030A201	INFO			Compatibility status of the component was changed from %(old_value) to %(fru_comp_status).			
0x0030A202	MAJOR	TRUE		Component with part number %(part_number) is not supported.	Replace it with a supported component. Refer to the Installation and Service Guide for more information.	The component cannot be used by the cluster.	KB # 000125540
0x0030A203	INFO	TRUE		Components inserted in each node of the appliance do not match.	Install identical components on each node of the appliance. It is recommended that you always install components in pairs.	Performance may be degraded.	
0x0030A204	MAJOR	TRUE		Component part number %(part_number) does not match with the expected part number %(expected_part_number) for this slot.	The inserted component is different from the previously installed component. Replace it with a compatible component. Refer to the Installation and Service Guide.	Performance may be degraded.	KB # 000125540
0x0030A205	MAJOR	TRUE		Component serial number is not readable by the software.	The component could not be identified. Refer to the Installation and Service Guide for more information on replacing the faulted component.	Performance may be degraded.	KB # 000125540
0x0030A206	MINOR	TRUE		An unexpected component was found.	A component has been found in a previously empty slot. Remove the component from the slot.	No impact.	
0x0030A301	MINOR			InternalBatteryBackup Module energy required setting is unknown.			
0x0030A302	MINOR			InternalBatteryBackup Module energy required setting is ok.			
0x0030A303	MAJOR	TRUE	TRUE	InternalBatteryBackup Module's energy required setting is not set at expected value.	Initialization of InternalBatteryBackupModule has failed. Use the Service and Installation guide to identify and replace the faulty component.		KB # 000124921

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030A401	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A402	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A403	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A404	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A405	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A406	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A407	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A408	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A409	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A40A	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A40B	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A40C	INFO			Port speed has changed from %(old_value) to %(port_speed).			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030A40D	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A40E	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A40F	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A410	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A411	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A412	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A413	INFO			Port speed has changed from %(old_value) to %(port_speed).			
0x0030A601	INFO			The expansion enclosure bus %(bus_num) enclosure %(encl_num) is now operating normally.			
0x0030A602	MAJOR	TRUE		The expansion enclosure bus %(bus_num) enclosure %(encl_num) has a cabling issue.	Note! At this time the SAS drives on the DAE may already be part of the appliance's IO service. Please do not repair two cables at the same time. (1) Before repair, refer to the Installation and Service Guide for more information. There is a Cabling Diagram in the PowerStore Installation and Service Guide. (2)If connected cables are cabled correctly and IO service is running, add missing cables according to the diagram. Verify that IO service is still running after connecting each	Performance may be degraded.	KB # 000130344

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
					cable. Do not disconnect a cable once it is connected. (3)Per any other format of disconnected cables, crossed cables or cables reseating, please contact your service provider.		
0x0030A603	MAJOR	TRUE		The expansion enclosure bus %(bus_num) enclosure %(encl_num) has a cabling issue.	Note! At this time the SAS drives on the DAE may already be part of the appliance's IO service. Please do not repair two cables at the same time. (1) Before repair, refer to the Installation and Service Guide for more information. There is a Cabling Diagram in the PowerStore Installation and Service Guide. (2)If connected cables are cabled correctly and IO service is running, add missing cables according to the diagram. Verify that IO service is still running after connecting each cable. Do not disconnect a cable once it is connected. (3)Per any other format of disconnected cables, crossed cables or cables reseating, please contact your service provider.	Performance may be degraded.	KB # 000130344
0x0030A604	MAJOR	TRUE		The new expansion enclosure bus %(bus_num) enclosure %(encl_num) has missing parts.	Verify that all parts in the expansion enclosure are included. Refer to the Installation and Service Guide for more information. If the issue persists, contact your service provider.	The new expansion enclosure cannot be added to the system.	
0x0030A605	MAJOR	TRUE		The new expansion enclosure bus %(bus_num) enclosure %(encl_num) has failed parts.	Replace the faulted parts. Refer to the Installation and Service Guide for more information. If the issue persists, contact your service provider.	The new expansion enclosure cannot be added to the system.	
0x0030A606	MAJOR	TRUE		The new expansion enclosure bus %(bus_num) enclosure %(encl_num) has failed to read Dell Service Tag.	Contact your service provider.	The new expansion enclosure cannot be added to the system.	
0x0030A607	INFO	TRUE		The expansion enclosure on bus %(bus_num) enclosure %(encl_num) location has changed	Contact your service provider.	As NVMe expansion enclosure location and Id has been changed as a result of the new wiring,	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				from %(expected_positi on) to %(actual_position).		any previously recorded information for the same NVMe expansion enclosure Id is no longer relevant.	
0x0030A608	INFO			The new expansion enclosure bus %(bus_num) enclosure %(encl_num) parts state are unknown during enclosure firmware upgrade.			
0x0030A701	INFO			SAS Connector A on Bus %(bus_num) Enclosure %(encl_num) %(identification) is %(sas1_connt_status). Cable status has changed from %(old_value) to %(sas1_cable_statu s).			
0x0030A702	INFO			SAS Connector A on Bus %(bus_num) Enclosure %(encl_num) %(identification) is %(sas1_connt_status). Cable status has changed from %(old_value) to %(sas1_cable_statu s).			
0x0030A703	MINOR	TRUE		SAS connector A on Bus %(bus_num) Enclosure %(encl_num) %(identification) is degraded.	Check or replace your SAS cable.	SAS connection to the expansion enclosure is degraded. Performance may be impacted.	KB # 000179597
0x0030A704	MAJOR	TRUE		SAS connector A on Bus %(bus_num) Enclosure %(encl_num) %(identification) is disabled.	Check or replace your SAS cable.	SAS connection to the expansion enclosure is disabled.	KB # 000179597

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030A705	MAJOR	TRUE		SAS connector A on Bus %(bus_num) Enclosure %(encl_num) %(identification) is missing.	Check your connections and cables. Refer to the Installation and Service Guide for more information.	Expansion enclosure may not be in service.	KB # 000179597
0x0030A706	MAJOR	TRUE		Expansion enclosure is not cabled correctly. Verify that the correct cable is connected to Bus %(bus_num) Enclosure %(encl_num) %(identification) Port A.	Note! At this time the SAS drives on the DAE may already be part of the appliance's IO service. Please do not repair two cables at the same time. (1) Before repair, refer to the Installation and Service Guide for more information. There is a Cabling Diagram in the PowerStore Installation and Service Guide. (2)If connected cables are cabled correctly and IO service is running, add missing cables according to the diagram. Verify that IO service is still running after connecting each cable. Do not disconnect a cable once it is connected. (3)Per any other format of disconnected cables, crossed cables or cables reseating, please contact your service provider.	Expansion enclosure is not in service.	KB # 000179597
0x0030A707	MAJOR	TRUE		Bus %(bus_num) Enclosure %(encl_num) %(identification) Port A cable fault.	Replace your cable.	Expansion enclosure is not in service.	KB # 000179597
0x0030A801	INFO			SAS Connector B on Bus %(bus_num) Enclosure %(encl_num) %(identification) is %(sas2_connt_status). Cable status has changed from %(old_value) to %(sas2_cable_status).			
0x0030A802	INFO			SAS Connector B on Bus %(bus_num) Enclosure %(encl_num) %(identification) is %(sas2_connt_status). Cable status has changed from %(old_value) to %(sas2_cable_status).			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030A803	MINOR	TRUE		SAS connector B on Bus %(bus_num) Enclosure %(encl_num) %(identification) is degraded.	Check or replace your SAS cable.	SAS connection to the expansion enclosure is degraded. Performance may be impacted.	KB # 000179597
0x0030A804	MINOR	TRUE		SAS connector B on Bus %(bus_num) Enclosure %(encl_num) %(identification) is disabled.	Check or replace your SAS cable.	SAS connection to the expansion enclosure is disabled.	KB # 000179597
0x0030A805	INFO	TRUE		SAS connector B on Bus %(bus_num) Enclosure %(encl_num) %(identification) is missing.			
0x0030A806	INFO	TRUE		Expansion enclosure is not cabled correctly. Verify that the correct cable is connected to Bus %(bus_num) Enclosure %(encl_num) %(identification) Port B.	Note! At this time the SAS drives on the DAE may already be part of the appliance's IO service. Please do not repair two cables at the same time. (1) Before repair, refer to the Installation and Service Guide for more information. There is a Cabling Diagram in the PowerStore Installation and Service Guide. (2)If connected cables are cabled correctly and IO service is running, add missing cables according to the diagram. Verify that IO service is still running after connecting each cable. Do not disconnect a cable once it is connected. (3)Per any other format of disconnected cables, crossed cables or cables reseating, please contact your service provider.	Expansion enclosure is not in service.	
0x0030A807	MAJOR	TRUE		Bus %(bus_num) Enclosure %(encl_num) %(identification) Port B cable fault.	Replace your cable.	Expansion enclosure is not in service.	KB # 000179597
0x0030A901	INFO			The drive slot limit exceeded changed from %(old_value) to %(drive_slot_limit_error).			
0x0030A902	MAJOR	TRUE		The drive slot limit has been exceeded.			KB # 000128574

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030AA01	INFO			Power status of the component has changed from %(old_value) to %(power_status).			
0x0030AA02	INFO			Power status of the component has changed from %(old_value) to %(power_status).			
0x0030AA03	MAJOR	TRUE	TRUE	Component is currently powered off.	Try rebooting the node.	Performance may be impacted.	
0x0030AA04	MAJOR	TRUE	TRUE	Component failed to power up.	Refer to the Installation and Service Guide for more information on identifying and replacing the faulted component.	Performance may be degraded.	KB # 000125540
0x0030AB01	INFO			Compatibility status of the node power supply has changed from %(old_value) to %(fru_comp_status).			
0x0030AB02	MINOR	TRUE		Node's power supply unit with part number %(part_number) is not supported in this configuration.	Replace with a supported power supply unit. Refer to the Installation and Service Guide for more information.	There is no impact on the node as long as the peer node power supply is healthy.	
0x0030AB03	INFO	TRUE		Node's power supply does not match its peer node.	Replace it with a power supply unit that is identical to the one on the peer node. Refer to the Installation and Service Guide for more information.	There is no impact on the node as long as the peer node power supply is healthy.	
0x0030AB04	MAJOR	TRUE		Node's power supply unit with part number %(part_number) does not match the expected part number %(expected_part_number).	Replace it with a compatible power supply. Refer to the Installation and Service Guide for more information.	There is no impact on the node as long as the peer node power supply is healthy.	KB # 000130715
0x0030AB05	MAJOR	TRUE		Node's power supply unit's serial number is not readable.	Replace the power supply unit. Refer to the Installation and Service Guide for more information.	There is no impact on the node as long as the peer node power supply is healthy.	KB # 000130715
0x0030AC01	INFO			Compatibility status of the node has changed from %(old_value) to %(fru_comp_status).			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030AC02	MAJOR	TRUE	TRUE	Node model does not match its peer node.	Remove this node and replace it with a model compatible with its peer. Refer to the Installation and Service Guide for more information.	Performance may be degraded.	
0x0030AC03	MAJOR	TRUE		Node's part number %(part_number) does not match the expected part number %(last_valid_part_number) for this appliance.	Remove the node and replace it with a compatible node. Refer to the Installation and Service Guide for more information.	Performance may be degraded.	KB # 000132703
0x0030AC04	MAJOR	TRUE		Node resume information is not readable by the software.	Replace the node. Refer to the Installation and Service Guide for more information.	Performance may be degraded.	KB # 000132703
0x0030AC05	MAJOR	TRUE		Node with part number %(part_number) is not supported.	Replace it with a node that is supported. Refer to the Installation and Service Guide for more information.	Performance may be degraded.	KB # 000132703
0x0030AC06	MINOR	TRUE		Total physical memory (DIMM) in node does not match with its peer node.	Verify that your node's DIMM configuration matches its peer node.	Performance may be degraded.	KB # 000132703
0x0030AD01	MINOR	TRUE	TRUE	Bus %(bus_num) enclosure %(encl_num) has exceeded the temperature warning threshold.	Check the environmental controls.	If the system remains in this condition for a long duration, the drives in the enclosure will shut down.	KB # 000130344
0x0030AD02	INFO			Bus %(bus_num) enclosure %(encl_num) over temperature warning condition has changed from %(old_value) to %(overtempwarning).			
0x0030AE01	MAJOR	TRUE	TRUE	Bus %(bus_num) enclosure %(encl_num) has exceeded the temperature failure threshold.	Check your environmental controls. Check for hardware-related alerts and take appropriate action.	Drives in the expansion enclosure will shut down. Data availability and performance may be degraded.	KB # 000130344
0x0030AE02	INFO			Bus %(bus_num) enclosure %(encl_num) over temperature failure condition has			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				changed from %(old_value) to %(overtempfailure).			
0x0030AF01	INFO			The shutdown reason for drives on bus %(bus_num) enclosure %(encl_num) has changed from %(old_value) to %(shutdown_reason).			
0x0030AF02	MAJOR	TRUE	TRUE	Drives on bus %(bus_num) enclosure %(encl_num) are scheduled to shutdown because of a user-initiated action.		The cluster may not serve IOs.	KB # 000130344
0x0030AF03	MAJOR	TRUE	TRUE	Drives on bus %(bus_num) enclosure %(encl_num) are scheduled to shut down because of a critical temperature fault.	Check your environmental controls. If the issue persists, contact your service provider.	Data availability and performance may be degraded.	KB # 000130344
0x0030AF04	MAJOR	TRUE	TRUE	Drives on bus %(bus_num) enclosure %(encl_num) are scheduled to shut down because of a critical cooling fault.	Check for hardware-related alerts and take appropriate action. If the issue persists, contact your service provider.	Data availability and performance may be degraded.	KB # 000130344
0x0030AF05	MAJOR	TRUE	TRUE	Drives on bus %(bus_num) enclosure %(encl_num) are scheduled to shut down because the power supply is not installed.	Check for hardware-related alerts and take appropriate action. If the issue persists, contact your service provider.	Data availability and performance may be degraded.	KB # 000130344
0x0030AF06	MAJOR	TRUE	TRUE	Drives on bus %(bus_num) enclosure %(encl_num) are scheduled to shut down because one or more required hardware components are not installed.	Check for hardware-related alerts and take appropriate action. If the issue persists, contact your service provider.	Data availability and performance may be degraded.	KB # 000130344
0x0030AF07	MAJOR	TRUE	TRUE	Drives on bus %(bus_num) enclosure %(encl_num)	Check for hardware-related alerts and take appropriate action. If the	Data availability and performance may be impacted.	KB # 000130344

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				are scheduled to shut down for an unspecified reason.	issue persists, contact your service provider.		
0x0030B001	INFO			Base Enclosure's LED is off.			
0x0030B002	INFO			Base Enclosure's LED state has changed from %(old_value) to %(status_led).			
0x0030B003	INFO	TRUE		Base Enclosure's LED is blinking.			
0x0030B004	INFO	TRUE		Base Enclosure's LED is on.			
0x0030B005	INFO			Base Enclosure's LED state has changed from %(old_value) to %(status_led).			
0x0030B006	INFO			Base Enclosure's LED state has changed from %(old_value) to %(status_led).			
0x0030B007	INFO			Base Enclosure's LED state has changed from %(old_value) to %(status_led).			
0x0030B008	INFO			Base Enclosure's LED state has changed from %(old_value) to %(status_led).			
0x0030B101	INFO			Node's LED state has changed from %(old_value) to %(status_led).			
0x0030B102	INFO			Node's LED state has changed from %(old_value) to %(status_led).			
0x0030B103	INFO	TRUE		Node's LED is blinking.			
0x0030B104	INFO	TRUE		Node's LED is on.	Check for hardware-related alerts and take appropriate action.		
0x0030B105	INFO			Node's LED state has changed from %(old_value) to %(status_led).			
0x0030B106	INFO			Node's LED state has changed from %(old_value) to %(status_led).			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030B107	INFO			Node's LED state has changed from %(old_value) to %(status_led).			
0x0030B108	INFO			Node's LED state has changed from %(old_value) to %(status_led).			
0x0030B201	INFO			The expansion enclosure LED changed from %(old_value) to %(identify_led).			
0x0030B202	INFO			The expansion enclosure LED changed from %(old_value) to %(identify_led).			
0x0030B203	INFO			The expansion enclosure LED changed from %(old_value) to %(identify_led).			
0x0030B204	INFO			The expansion enclosure LED changed from %(old_value) to %(identify_led).			
0x0030B301	INFO			Drive LED has changed from %(old_value) to %(identify_led).			
0x0030B302	INFO			Drive LED has changed from %(old_value) to %(identify_led).			
0x0030B303	INFO			Drive LED has changed from %(old_value) to %(identify_led).			
0x0030B304	INFO			Drive LED has changed from %(old_value) to %(identify_led).			
0x0030B401	INFO			Connected target count remains equal to %(num_of_conn_tars) for initiator %(port_address).			
0x0030B402	INFO			Connected target count has changed			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				to %(num_of_conn_tar s) for initiator %(port_address).			
0x0030B601	INFO			Compatibility status of the Node DIMM was changed from %(old_value) to %(fru_comp_status).			
0x0030B602	MAJOR	TRUE		Node DIMM part number %(part_number) does not match with the expected part number %(expected_p art_number) for this slot.	The inserted Node DIMM is different from the previously installed DIMM. Remove the DIMM and replace it with a compatible Node DIMM using the Service and Installation guide.	Performance and system availability is impacted. System has lost appliance node redundancy.	KB # 000132975
0x0030B603	MAJOR	TRUE		Node DIMM resume is not readable by the software.	The Node DIMM could not be identified. Use the Service and Installation guide to replace the faulty component.	Performance and system availability is impacted. System has lost appliance node redundancy.	KB # 000132975
0x0030B604	MINOR	TRUE		Found an unexpected Node DIMM.	Either 1) A DIMM was added into a previously empty slot, which is not supported and should be removed or 2) Some DIMMs have been rearranged in the slots and need to be restored to their original locations.	Performance and system availability is impacted. System has lost appliance node redundancy.	KB # 000132975
0x0030B701	INFO			Compatibility status of the internal M.2 boot module has changed from %(old_value) to %(fru_comp_status).			
0x0030B702	MAJOR	TRUE		Internal M.2 boot module with size %(size_gb) GB does not meet the minimum required size of %(min_size_gb) GB for this slot.	Replace it with a compatible module. Refer to the Installation and Service Guide for more information.	Performance may be degraded.	KB # 000130340
0x0030B901	INFO			NAS has been repaired.			
0x0030B902	CRITICAL	TRUE		NAS failure detected.	NAS is disabled. Follow procedures to manually bring up NAS nodes or reinstall File.	File functionality is disabled. The cluster may still be servicing IOs.	KB # 000175508
0x0030BA01	INFO			Polling status of the internal M.2 boot			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				module has changed from %(old_value) to %(local_disk_polling _status).			
0x0030BA02	MAJOR	TRUE	TRUE	Polling failed for internal M.2 boot module.	Try reseating the module. If the issue persists, replace the module. Refer to the Installation and Service Guide for more information.	The software may not reflect the up-to-date internal M.2 boot module health status.	KB # 000130340
0x0030BA03	CRITICAL	TRUE	TRUE	Root file system is read-only on internal M.2 boot module.	Try reseating the module. If the issue persists, replace the module. Refer to the Installation and Service Guide for more information.	Root file system on the internal M.2 boot module is read-only.	KB # 000130340
0x0030BB01	INFO			Bond link state has changed from %(old_value) to %(netdev_state).			
0x0030BB02	INFO			Bond link state has changed from %(old_value) to %(netdev_state).			
0x0030BB03	INFO			Bond link state has changed from %(old_value) to %(netdev_state).			
0x0030BB04	INFO			Bond link state has changed from %(old_value) to %(netdev_state).			
0x0030BB05	INFO			Bond link state has changed from %(old_value) to %(netdev_state).			
0x0030BB06	INFO			Bond link state has changed from %(old_value) to %(netdev_state).			
0x0030BB07	INFO			Bond link state has changed from %(old_value) to %(netdev_state).			
0x0030BB08	INFO			Bond link state has changed from %(old_value) to %(netdev_state).			
0x0030BC01	INFO			Bus %(bus_num) Enclosure %(encl_num			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				) %(identification) has been replaced.			
0x0030BC02	INFO			Bus %(bus_num) Enclosure %(encl_num) %(identification) has been replaced.			
0x0030BD01	INFO			CDC connection state was changed from %(old_value) to %(sym_cdc_connecti on_state).			
0x0030BD02	INFO			CDC kickstart request sent (Waiting for CDC response).			
0x0030BD03	INFO			CDC connection is pending (Waiting for connection to be established).			
0x0030BD04	INFO			CDC connection was established.			
0x0030BF01	INFO			Node unexp-fw-updt-detected state has changed from %(old_value) to %(fw_update_vulner ability_detected).			
0x0030BF02	CRITICAL	TRUE	TRUE	An unexpected firmware update has been detected. Contact your service provider immediately.	Contact your service provider immediately.		KB # 000132703
0x0030C001	INFO			HA Stack state has changed.			
0x0030C002	INFO			HA Stack state has changed.			
0x0030C003	INFO			HA Stack state has changed.			
0x0030C004	INFO			HA Stack state has changed.			
0x0030C101	INFO			BaseEnclosure perm_fields_resume_m ismatch state has changed from %(old_value) to %(perm_fields_resu me_mismatch).			
0x0030C102	MAJOR	TRUE	TRUE	The WWN-Seed or Dell Service Tag or Product	Contact your service provider immediately.		KB # 000179598

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				Serial Number currently programmed on the Appliance Base Enclosure resume do not match the expected values of %(wwn_seed_string) , %(dell_service_tag), %(product_serial_numb er) respectively.			
0x0030C201	INFO			NVME port rate changed from %(old_value) to %(u.nvme.nvme_por t_rate)			
0x0030C202	INFO			Drive on bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) is running at partial rate			
0x0030C203	INFO	TRUE		Drive on bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) is running at partial rate			
0x0030C204	INFO			NVME port rate changed from %(old_value) to %(u.nvme.nvme_por t_rate)			
0x0030C205	INFO			NVME port rate changed from %(old_value) to %(u.nvme.nvme_por t_rate)			
0x0030C301	INFO			Node dimm_info_file_err state has changed from %(old_value) to %(dimm_info_file_err).			
0x0030C302	MINOR	TRUE		Information could not be updated for any of the DIMMs for this node.	Reboot the node to clear the error. If the error persists after a reboot, then please contact your service provider.		KB # 000132703
0x0030C401	INFO			Bus %(bus_num) Enclosure %(encl_num) %(location) power			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				supply has been replaced.			
0x0030C402	INFO			Bus %(bus_num) Enclosure %(encl_num) %(location) power supply has been replaced.			
0x0030C501	INFO			KMIP servers are functioning properly.			
0x0030C502	MAJOR	TRUE	TRUE	Cannot connect to one or more KMIP servers.	Check the KMIP server configuration. If issues persist, contact your service provider.	Cannot contact one or more KMIP servers. Appliance reboot could result in data unavailability if KMIP server connection is not fixed.	KB # 000200713
0x0030C503	CRITICAL	TRUE	TRUE	Cannot connect to any of the configured KMIP servers.	Check the KMIP server configuration. If issues persist, contact your service provider.	Cannot contact the KMIP server(s). Appliance reboot will result in data unavailability if KMIP server connection is not fixed.	KB # 000200713
0x0030C601	CRITICAL	TRUE		The appliance has stopped servicing IOs	Contact your service provider.	The appliance is not servicing IOs.	KB # 000188275
0x0030C602	INFO			The appliance is back to servicing IOs			
0x0030C603	INFO			The appliance is opening IO gates			
0x0030C901	INFO			Data path vault and unvault operations states			
0x0030C902	INFO			Data path vault and unvault operations states			
0x0030C903	INFO			Data path vault and unvault operations states			
0x0030C904	CRITICAL	TRUE	TRUE	DP unvault process failed		Cluster is down, cluster is not servicing IOs.	KB # 000130637
0x0030C905	CRITICAL	TRUE	TRUE	DP halt process is in progress		Cluster is down, cluster is not servicing IOs. Data path xenvs should not be killed.	KB # 000130637

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030C906	CRITICAL	TRUE	TRUE	DP vault process is in progress		Cluster is down, cluster is not servicing IOs. Data path xenvs should not be killed.	KB # 000130637
0x0030C907	INFO			Data path vault and unvault operations states			
0x0030C909	CRITICAL	TRUE	TRUE	DP vault process failed		Cluster is down, cluster is not servicing IOs. Data path xenvs should not be killed.	KB # 000130637
0x0030CA01	INFO			The compatibility status of the expansion enclosure %(encl_num) at bus %(bus_num) has changed from %(old_value) to %(fru_comp_status).			
0x0030CA02	MAJOR	TRUE		Expansion enclosure %(encl_num) at bus %(bus_num) is not supported for this system.	Replace the expansion enclosure with a supported enclosure.	Unqualified hardware may cause potential issues.	
0x0030CB01	MAJOR	TRUE		IO is not ready on the node.	If the issue persists, contact your service provider.	There is no IO running on the node.	
0x0030CB02	INFO			IO service level of the node has changed to %(io_service_level).			
0x0030CC01	INFO			Compatibility status of the component was changed from %(old_value) to %(fru_comp_status).			
0x0030CC02	MAJOR	TRUE		Component with part number %(part_number) is not supported.	Replace it with a supported component. Refer to the Installation and Service Guide for more information.	Performance may be degraded.	
0x0030CC03	INFO	TRUE		Components inserted in each node of the appliance do not match.	Install identical components on each node of the appliance. It is recommended that you always install components in pairs.	Performance may be degraded.	
0x0030CC04	MAJOR	TRUE		Component part number %(part_number) does not match with	The inserted component is different from the previously installed component. Replace it with a	Performance may be degraded.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				the expected part number for this slot.	compatible component. Refer to the Installation and Service Guide.		
0x0030CC05	MAJOR	TRUE		Component serial number is not readable by the software.	The component could not be identified. Refer to the Installation and Service Guide for more information on replacing the faulted component.	Performance may be degraded.	
0x0030CD01	INFO			Correctable error state of the Node DIMM was changed.			
0x0030CD02	MINOR	TRUE	TRUE	A node DIMM is reporting an elevated number of correctable errors.	Replace the DIMM at your earliest convenience or maintenance window. Refer to the Installation and Service Guide for more information.	Performance and system stability may be impacted.	KB # 000132975
0x0030CD03	MAJOR	TRUE	TRUE	System has faulted a node DIMM due to excessive correctable errors.	Replace the DIMM. Refer to the Installation and Service Guide for more information.	Performance and system availability is impacted. Node is degraded and not serving I/O.	KB # 207910
0x0030D201	INFO			Lifecycle state of the Access Module (AM) %(sam_location) has changed from %(old_value) to %(fru_lifecycle_state).			
0x0030D202	MINOR			Access Module (AM) is initializing.			
0x0030D203	MAJOR	TRUE	TRUE	Access Module (AM) has failed. Performance may be degraded.	Contact your service provider.	Data availability and performance may be degraded.	KB # 000200716
0x0030D204	MAJOR	TRUE		Access Module (AM) is disconnected. Performance may be degraded.	Contact your service provider.	Data availability and performance may be degraded.	
0x0030D205	INFO			Access Module (AM) is not initialized. Performance may be degraded.	Wait for the Access Module (AM)e to initialize. If the issue persists, contact your service provider.	Data availability and performance may be degraded.	
0x0030D206	MAJOR	TRUE	TRUE	Access Module (AM) failed to prepare.	Contact your service provider.	Data availability and performance may be degraded.	
0x0030D207	INFO			Expansion enclosure AM in %(sam_location) been replaced.			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030D301	INFO			Lifecycle state of Clock Distribution Board (CDB) %(cdb_location) has changed from %(old_value) to %(fru_lifecycle_state).			
0x0030D303	MAJOR	TRUE	TRUE	Clock Distribution Board (CDB) %(cdb_location) has failed.	Contact your service provider.	Performance may be degraded.	KB # 000200714
0x0030D304	MAJOR	TRUE	TRUE	Clock Distribution Board (CDB) %(cdb_location) is disconnected. Performance may be degraded.	Contact your service provider.	Performance may be degraded.	KB # 000200714
0x0030D401	INFO			Node's LED state has changed from %(old_value) to %(status_led).			
0x0030D402	INFO			Node's LED state has changed from %(old_value) to %(status_led).			
0x0030D403	INFO	TRUE		AM's LED is blinking.			
0x0030D404	INFO	TRUE		AN's LED is on.			
0x0030D501	INFO			NVME expansion enclosure port is in an unknown state.			
0x0030D502	INFO			NVME expansion enclosure port is OK.			
0x0030D503	MAJOR	TRUE		NVME expansion enclosure port has failed.	Check your cabling and connections. Try reseating the cable, replace the cable if needed or verify connection to peer side. Refer to the Installation and Service Guide for more information. If the issue persists, contact your service provider.	Data availability and performance may be degraded.	KB # 000207334
0x0030D504	MAJOR	TRUE		NVME expansion enclosure cable of the port is crossed.	Check your cabling and connections. Refer to the Installation and Service Guide for more information.	Data availability and performance may be degraded.	KB # 000207334
0x0030D505	MAJOR	TRUE		NVME expansion enclosure port is degraded.	Check your cabling and connections. Try reseating the cable or replace the cable. Refer to the Installation and Service Guide	Data availability and performance may be degraded.	KB # 207334

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
					for more information. If the issue persists, contact your service provider.		
0x0030D601	MAJOR	TRUE		First NVME expansion enclosure cannot be determined.	(1) Check if NVMe expansion enclosure upgrade is in progress and wait to complete before taking any action (wait 5 minutes for discovery process to stabilized after the upgrade process completes). (2) Visually inspect the cable wiring. Refer to the Installation and Service Guide for more information. (3) If cable replacement or reseat does not help, contact your service provider.	NVME expansion enclosure cannot be added to the appliance.	KB # 207334
0x0030D602	MAJOR	TRUE		Higher NVME expansion enclosure cannot be determined.	(1) Check if NVMe expansion enclosure upgrade is in progress and wait to complete before taking any action (wait 5 minutes for discovery process to stabilized after the upgrade process completes). (2) Visually inspect the cable wiring. Refer to the Installation and Service Guide for more information. (3) If cable replacement or reseat does not help, contact your service provider.	NVME expansion enclosure cannot be added to the appliance.	KB # 207334
0x0030D603	INFO			NVME expansion enclosure location is determined.			
0x0030D604	INFO			Discovery status of NVME expansion enclosure has changed from %(old_value) to %(new_value).			
0x0030D701	INFO			Discovery process of a possible new NVMe expansion enclosure on appliance is unknown.			
0x0030D702	MINOR	TRUE		Discovery process of a possible new NVMe expansion enclosure has started.	Check for hardware-related alerts during the discovery and take appropriate action. Refer to the Installation and Service Guide for more information.	Discovery of each added NVMe expansion enclosure may take up to one hour. Data availability and performance may be degraded due to cables disconnect	KB # 207334

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						as part of related expansion enclosure operations.	
0x0030D703	INFO			Discovery process of a possible new NVMe expansion enclosure on appliance has been completed.			
0x0030D704	INFO	TRUE		Discovery process of a possible new NVMe expansion enclosure on appliance has been aborted.	(1) If NVME Expansion Enclosures were added and not discovered, check for hardware-related alerts during the discovery and take appropriate action (unless they were removed). Refer to the Installation and Service Guide for more information. (2) If the issue persists, contact your service provider	Discovery Process is aborted due to timeout.	
0x0030D801	INFO			Normal expansion enclosure access module component temperature.			
0x0030D802	MINOR	TRUE		Expansion enclosure access module temperature is starting to get high.	Check if: A rotor in a fan module has failed or fan module has been removed. Air flow is blocked. Check for hardware-related alerts and take appropriate action. If the issue remains, replace the FRUable component. If the issue persists, contact your service provider.	If high temperatures persist, the NVME expansion AM will powered off within minutes.	
0x0030D803	CRITICAL	TRUE	TRUE	Expansion enclosure access module temperature is critically high.	Actions to cool down the component must be taken immediately. Check if: A rotor in a fan module has failed or fan module has been removed. Air flow is blocked. Check for hardware-related alerts and take appropriate action. If the issue remains, replace the FRUable component. If the issue persists, contact your service provider.	In some case the NVME expansion AM will powered off within minutes. An IO take over to the paired NVME expansion AM is activated..	KB # 000200715
0x0030D804	MINOR			Expansion enclosure access module %(sam_locatio n) component sensor is reporting an invalid status.	Check for hardware-related alerts and take appropriate action. If the issue persists, contact your service provider.	A thermal sensor is faulty which could prevent monitoring.	

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030D901	INFO			Firmware version of Bus %(bus_num) Enclosure %(encl_num) is %(fw_version_error). Current firmware version is %(fw_version).			
0x0030D902	INFO	TRUE		Bus %(bus_num) Enclosure %(encl_num) firmware is in process of being upgraded automatically.	Monitor the firmware upgrade progress.	Data availability and performance may be degraded due to Access Modules being upgraded which results in a path failover during the upgrade.	
0x0030D903	MAJOR	TRUE		Firmware version of Bus %(bus_num) Enclosure %(encl_num) is incompatible.	Contact your Service Provider.	Cluster will continue to serve IOs as long as the NVMe expansion enclosure is healthy. The NVMe expansion enclosure is running with an older firmware version (less desired).	
0x0030D904	MINOR	TRUE		Firmware version of Bus %(bus_num) Enclosure %(encl_num) is incorrect.	Wait for the automatic NVMe expansion enclosure upgrade to start (after cluster NDU is complete). If not started within 2 hours, contact your service provider.	Cluster will continue to serve IOs as long as the NVMe expansion enclosure is healthy. The NVMe expansion enclosure is running with an older firmware version (less desired).	
0x0030DA01	INFO			Internal M.2 boot module is reporting normal temperature.			
0x0030DA02	INFO	TRUE		Internal M.2 boot module is reporting elevated temperature, proactive action is recommended.	Please continue monitoring the Internal M.2 boot module temperature.	Performance and system stability may be impacted.	
0x0030DA03	MAJOR	TRUE		Internal M.2 boot module has been	Node will be rebooted. If the issue persists after the reboot, replace	Performance and system availability is	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				faulted due to extreme temperature elevation.	the internal M.2 boot module. Refer to the Installation and Service Guide for more information.	impacted. System has lost appliance node redundancy.	
0x0030DB01	INFO			The expansion enclosure %(encl_num) at bus %(bus_num) has been replaced.			
0x0030DC01	MINOR			NVMe expansion access module external interfaces are secured.			
0x0030DC02	MINOR	TRUE		Failed to secure NVMe expansion access module management session.	Contact your service provider.	The NVMe expansion access module cannot be used.	
0x0030DC03	INFO			No NVMe expansion access module management session.			
0x0030DD01	MINOR			An inaccessible NVMe expansion access module has been removed.			
0x0030DD02	MINOR	TRUE		A foreign NVMe expansion access module has been inserted.	Replace the access module. If the problem persists, contact your service provider.	The NVMe expansion access module cannot be used in the cluster.	
0x0030DD03	MINOR	TRUE		A suspicious NVMe expansion enclosure access module has been inserted.	Replace the access module. If the problem persists, contact your service provider.	The NVMe expansion access module cannot be used in the cluster.	
0x0030DD04	INFO			An unknown NVMe expansion enclosure access module has been inserted.			
0x0030DE01	INFO			Bus %(bus_num) enclosure %(encl_num) controller %(identification) speed health was changed from %(old_value) to %(new_value).			
0x0030DE02	INFO			Bus %(bus_num) enclosure %(encl_num) controller %(identification) speed health was changed from %(old_value) to %(new_value).			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030DE03	MAJOR	TRUE		Controller speed problem was detected.	Contact your service provider.	Performance may be degraded.	KB # 000216314
0x0030DF01	INFO			Firmware is in process of being upgraded for Access Module (AM).			
0x0030DF02	INFO			Access Module (AM) has a compatible FW version.			
0x0030DF03	MAJOR	TRUE		Access Module (AM) FW upgrade has failed. The Access Module cannot be used.	(1) Check for related hardware-related alerts and take appropriate action. (2) If no hardware-related alerts exist, reseat the Access Module (AM). Refer to the Installation and Service Guide for more information. (3) If reseating does not help, replace the Access Module, the CDB and the DIB. (4) If the issue persists, contact your service provider.	Data availability and performance may be degraded.	
0x0030DF04	MINOR	TRUE		Firmware version of the Access Module (AM) is incorrect. The firmware upgrade may start soon.	Verify that any NVME expansion enclosure is under firmware upgrade progress. If not, wait for FW upgrade to start. If not started within 3 hours, contact your service provider.	Data availability and performance may be degraded.	
0x0030E001	INFO			Node has %(fw_version_error).			
0x0030E002	MAJOR	TRUE	TRUE	Node firmware is out of sync with the Operating System and could not be automatically updated.	Contact your service provider immediately for assistance.	The system is running with an unsupported node firmware and OS combination that may result in interoperability issues.	KB # 000201409
0x0030E003	INFO			Node has %(fw_version_error).			
0x0030E004	INFO			Node has %(fw_version_error).			
0x0030E005	INFO			Node has %(fw_version_error).			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030E006	INFO			Node has %(fw_version_error).			
0x0030E101	INFO			Drive dual connectivity unhealthy state is cleared.			
0x0030E102	MINOR	TRUE		Connectivity of the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) to Node A is degraded.	If this alert does not clear in a few minutes, check for hardware-related alerts and take appropriate action. If the issue persists, contact your service provider.	Drive may not be used if it was recently replaced, newly added, or recently experienced an unexpected high availability event.	
0x0030E103	MINOR	TRUE		Connectivity of the drive in bus %(bus_num) enclosure %(encl_num) slot %(enclosure_slot) to Node B is degraded.	If this alert does not clear in a few minutes, check for hardware-related alerts and take appropriate action. If the issue persists, contact your service provider.	Drive may not be used if it was recently replaced, newly added, or recently experienced an unexpected high availability event.	
0x0030E201	INFO			Bus %(bus_num) enclosure %(encl_num) controller %(identificati on) speed health was changed from %(old_value) to %(new_value).			
0x0030E202	INFO			Bus %(bus_num) enclosure %(encl_num) controller %(identificati on) speed health was changed from %(old_value) to %(new_value).			
0x0030E203	MAJOR	TRUE		Controller speed problem was detected.	In case of NVMe expansion enclosure try below actions: (1) If the issue remains, replace the Access Module. (2) If the issue persists, contact your service provider.	Performance may be degraded.	KB # 000216314
0x0030E301	INFO			The appliance has resumed normal cache backup.			
0x0030E302	CRITICAL	TRUE	TRUE	The appliance has entered cache backup mode due to a fault or	Review the health of the appliance and recover from any pending hardware faults. Contact your	Performance degradation and potential service	KB # 000218447

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				node maintenance activity.	service provider for assistance if this alert remains for an hour after the hardware faults have been resolved.	disruptions are possible if additional faults occur.	
0x0030E401	INFO			Internal M.2 boot module is reporting normal wear level.			
0x0030E402	MINOR	TRUE	TRUE	Internal M.2 boot module is reporting elevated wear level.	Replace the internal M.2 boot module. Refer to the Installation and Service Guide for more information. If the issue persists, contact your service provider.	Node stability and system performance may be impacted if the internal M.2 boot module is not replaced.	KB # 000221125
0x0030E601	INFO			The drive firmware revision for all the drives in the system is up-to-date.			
0x0030E602	MINOR	TRUE		The drive firmware revision for one or more drives in the system is out-of-date. Upgrade drive firmware.	Download the latest drive firmware package available from Dell website. Upgrade the firmware for the drives in the system.	Performance and system stability may be impacted.	
0x0030E701	INFO			Internal storage resource status is healthy.			
0x0030E702	MINOR	TRUE		The system detected a missing drive in the base enclosure. Please make sure all drives are present and healthy.	Add missing drives to base enclosure.	Internal storage resources are degraded and may lead to inability to trace system activities.	
0x0030E703	MINOR	TRUE		The system detected a missing drive in the base enclosure. Please make sure all drives are present and healthy.	Add missing drives to base enclosure.	Internal storage resources are broken and system activity traces are unavailable.	
0x0030E801	INFO			Standby output state of the node's power supply unit has changed to %(standby_output_fault).			
0x0030E802	MAJOR	TRUE	TRUE	Node's power supply unit has faulty standby output.	The 12V standby is a shared power rail that connects both PSUs, Nodes, and Midplane. For recommendations on recovery consult the KBA for this alert.	The node might not recover after a reboot while this fault is active for this PSU.	

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0030E901	INFO			Drive ios status is unknown.			
0x0030E902	INFO			Drive ios status is healthy.			
0x0030E903	MINOR	TRUE		Drive ios status is failed.	Replace the failed drive.	Drive ios status is failed. Need to replace the failed drive.	KB # 000280594
0x00314001	INFO			The battery backup module's end of life state is unknown.			
0x00314002	INFO			The battery backup module's end of life state is unavailable.			
0x00314003	INFO			The battery backup module's end of life state is being tracked.			
0x00314004	INFO			Battery backup module capacity is good.			
0x00314005	MAJOR	TRUE	TRUE	Battery backup module capacity is decreasing due to aging.	Replace the battery backup module immediately. Refer to the Installation and Service Guide for more information.	Data high availability will become degraded when the battery backup module reaches end of life.	KB # 000221126
0x00314006	CRITICAL	TRUE	TRUE	Battery backup module is close to end of life.	Replace the battery backup module immediately. Refer to the Installation and Service Guide for more information.	Data high availability will become degraded when the battery backup module reaches end of life.	KB # 000221126
0x00314007	CRITICAL	TRUE	TRUE	Battery backup module reached the end of life.	Replace the battery backup module immediately. Refer to the Installation and Service Guide for more information.	Data high availability is degraded.	KB # 000221126
0x0031A401	INFO			The battery backup module's sensor consistency state is unknown.			
0x0031A402	INFO			The battery backup module's sensor readings are consistent.			
0x0031A403	MAJOR	TRUE	TRUE	Battery backup module's sensor readings are inconsistent.	Inspect the battery backup modules and their connections. Refer to the Installation and Service Guide for more information.	Data high availability may be impacted.	KB # 000221126

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00400101	INFO			Node %(which) is shutting down.			
0x00400102	INFO			Node %(which) is starting up.			
0x00400103	INFO			Node %(which) is rebooting.			
0x00400104	INFO			Node %(which) has booted.			
0x00400105	INFO			An internal component, %(comp), failed on %(which).			
0x00400106	INFO			Explicit request to enter Service Mode on Node %(which).			
0x00400107	CRITICAL	TRUE	TRUE	Node %(which) entered Service Mode.	Check for and correct system errors. On the affected node, use service scripts to clear service mode (svc_rescue_state clear) and reboot (svc_node reboot local) to return to normal mode. If the issue persists, contact your service provider for assistance.	System high availability and performance is degraded. Node %(which) is not servicing I/O.	KB # 000132218
0x00400108	INFO			Node %(which) is exiting Service Mode.			
0x00400201	INFO			The %(user) user has elevated user permissions using the command %(script).			
0x00400202	INFO			The %(user) user activated the service tool %(tool).			
0x00400301	INFO			SP %(which) reimage done.			
0x00400302	CRITICAL	TRUE	TRUE	Node %(which) reimage (primary M.2) failed.	Contact your service provider for assistance.	The node is not operational.	KB # 000132996
0x00400303	MAJOR	TRUE	TRUE	Hotfix was not able to be applied during node %(which) (primary M.2) reimage.	Contact your service provider for assistance to reapply hotfixes.	Hotfix has not been applied. Service is not affected.	KB # 000132996
0x00400304	INFO			Hotfix applied.			
0x00400401	INFO			Backup for the ESXi system configuration for Node A is complete.			
0x00400402	MAJOR	TRUE		Backup for the ESXi system configuration for Node A has failed.	Log in to Node A as the service user. Run the "svc_repair --backup" command to manually backup the ESXi system configuration. If the	If recovery is performed, node will be configured with the last successfully	KB # 000123262

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
					issue persists, contact your service provider.	saved ESXi system configuration backup.	
0x00400501	INFO			ESXi system configuration backup for Node B is complete.			
0x00400502	MAJOR	TRUE		Backup for the ESXi system configuration for Node B has failed.	Log in to Node B as the service user. Run the "svc_repair --backup" command to manually backup the ESXi system configuration. If the issue persists, contact your service provider.	If recovery is performed, node will be configured with the last successfully saved ESXi system configuration backup.	KB # 000123262
0x00400601	MAJOR	TRUE	TRUE	Root partition usage of node %(which) has exceeded %(percent)% on mount %(mount).	Contact your service provider.	If the root partition usage continues to increase, it may result in an unexpected reboot of the node.	KB # 000177664
0x00400602	CRITICAL	TRUE	TRUE	Root partition usage of node %(which) has exceeded %(percent)% on mount %(mount).	Contact your service provider.	If the root partition usage continues to increase, it may result in an unexpected reboot of the node and degraded service.	KB # 000177664
0x00400603	INFO			Root partition usage of node %(which) is below %(percent)% on mount %(mount).			
0x00400701	INFO			Remote Secure Credentials enabled.			
0x00400702	INFO			Remote Secure Credentials disabled.			
0x00400703	MAJOR	TRUE		Unable to configure Remote Secure Credentials.	Disable and reenable SupportAssist. If the issues persists, contact your service provider.	Remote Secure Credentials feature is not available.	KB # 000197299
0x00400704	INFO			User %(which) logged in as service user with Remote Secure Credentials.			
0x00400801	MAJOR	TRUE	TRUE	Root partition usage has exceeded %(percent)% on mount %(mount).	Delete data collections to free up space. If problem persists, contact your service provider.	If the root partition usage continues to increase, it may impact data collections, metrics archives and	KB # 000216315

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						software downloads.	
0x00400802	CRITICAL	TRUE	TRUE	Root partition usage has exceeded %(percent)% on mount %(mount).	Delete data collections to free up space. If problem persists, contact your service provider.	If the root partition usage continues to increase, it may impact data collections, metrics archives and software downloads.	KB # 000216315
0x00400803	INFO			Root partition usage is below %(percent)% on mount %(mount).			
0x00400901	INFO	TRUE	TRUE	USB devices have been enabled on Node %(which).			KB # 000221210
0x00400902	INFO			USB devices have been disabled on Node %(which).			
0x00400A01	MAJOR	TRUE		System partitions must be encrypted as part of STIG compliance.	Run the STIG enable command via the security_config REST API. For additional information, refer to the KB article and the Security Configuration Guide.	The root partitions are not yet encrypted. Additional changes are required to maintain STIG compliance.	KB # 000247120
0x00400A02	INFO			The root partions are encrypted on the cluster.			
0x00400B01	MAJOR	TRUE	TRUE	Node %(which) secondary recovery partitions could not be automatically recovered from the peer node.	Contact your service provider for assistance to restore secondary recovery partitions.	The ability to recover this node will be impaired while the secondary recovery partitions are unavailable.	KB # 000247121
0x00400B02	INFO			Node %(which) secondary recovery partitions were recovered.			
0x00500101	MINOR	TRUE		Storage container usage has exceeded its quota high watermark threshold of %(high_water_mark) percent.	Free up space in the storage container or increase quota.	If additional space is consumed and the quota is exhausted, no new virtual volumes can be created.	
0x00500102	INFO			Storage container usage is within the			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				specified high watermark quota limits.			
0x00500201	INFO			Storage container has been created.			
0x00500202	INFO			Storage container has been updated.			
0x00500203	INFO			Storage container has been deleted.			
0x00500301	MAJOR	TRUE		Storage container usage exceeds the specified quota.	Free up space in the storage container or increase the quota.	New virtual volumes cannot be created.	KB # 000129830
0x00500302	INFO			Storage container usage is within the specified quota limits.			
0x00600101	INFO			aggregation for %(aggration_timestamp) are complete.			
0x00600201	INFO			Daily rollups for %(timestamp) are complete.			
0x00600301	INFO			Five minute rollups for %(timestamp) are complete.			
0x00600401	MINOR	TRUE		Metrics collection has been disabled for appliance %(object_id).	View the system alerts and resolve any outstanding issues. If the problem persists, contact your service provider.	Gaps will appear for some metrics.	KB # 000221211
0x00600402	INFO			Metrics collection has been enabled for appliance %(object_id).			
0x00600501	INFO			Hourly metrics rollups for %(timestamp) are complete.			
0x00600601	MAJOR	TRUE		As a result of a migration the number of volumes with fast metrics interval (5 seconds) enabled on appliance %(appliance) has exceeded the threshold of 100 volumes.	Reduce the number of fast metrics on volumes to be less than 100.	No additional fast metrics can be enabled for volumes on this appliance. Performance may be degraded.	KB # 000221211
0x00600602	MAJOR	TRUE		As a result of a migration the number of fast metrics volumes has reached or	Reduce fast metrics volumes below the maximum threshold of 200 to re-enable the fast metrics. The	Fast metrics will be disabled on the appliance if over 200.	KB # 000221211

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				exceeded the maximum threshold of 200 volumes for appliance %(appliance).	number of fast volumes should be reduced below 100.	Performance may be degraded if more than 100.	
0x00600603	MAJOR	TRUE		All fast metrics volumes were disabled on appliance %(appliance) to prevent system degradation.	Fast metrics can be re-enabled on up to 100 volumes per appliance.	Fast metrics have been removed from all volumes on the appliance.	KB # 000221211
0x00600604	INFO			The number of fast metrics volumes enabled on appliance %(appliance) are below threshold.			
0x00600801	INFO			Five minute metrics collection for %(timestamp) is complete.			
0x00600901	MINOR	TRUE		Additional metrics features have not been enabled for appliance %(object_id) after upgrading.	View the system alerts and resolve any outstanding issues. If the problem persists, contact your service provider.	Additional metrics features will not be available for the appliance.	KB # 000221211
0x00600902	INFO			New metrics capabilities are enabled for appliance %(object_id).			
0x00600A01	MAJOR	TRUE		Redistribution of historical cluster metrics failed.	View the system alerts and resolve any outstanding issues. If the alert does not clear itself, contact your service provider.	Possible loss of historic metrics data may occur if internal database recovery is required following an I/O outage.	KB # 000221211
0x00600A02	INFO			Redistribution of historical cluster metrics completed.			
0x00600B01	MAJOR	TRUE	TRUE	Relocation of internal metrics data in appliance %(object_id) failed during upgrade.	Contact your service provider for assistance.	Possible loss of historic metrics data may occur if internal database recovery is required following an I/O outage. Metrics database retention may be reduced.	KB # 000221211

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00600B02	INFO			Relocation of internal metrics data in appliance %(object_id) completed.			
0x00700101	INFO			Data copy began with %(totalBytesToBe Transferred) bytes to be transferred.			
0x00700102	INFO			Data copy completed successfully.			
0x00700103	MAJOR			Data copy failed with status %(copy_status).			KB # 000128472
0x00700104	MAJOR			Data copy aborted after copying %(bytes_transf erred) bytes.			
0x00700105	INFO			Data copy is in-progress.			
0x00700201	MAJOR			Mirroring is paused for volumes %(volumes) with status %(status). Replicas %(replicas) are present, respectively.			
0x00700202	MAJOR			Mirroring is failed for volumes %(volumes) with status %(status).			
0x00700203	MAJOR			Metro session is polarized on preferred side with status %(status) at %(timestamp). Polarization result is %(result) and metro witness is %(witness_status) on this side			
0x00700204	MAJOR			Metro session is polarized on non-preferred side with status %(status) at %(timestamp). Polarization result is %(result) and metro witness is %(witness_status) on this side			
0x00700301	INFO			Enabled host mirror %(mirror) for			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				source %(source) and destination %(destination)			
0x00700401	INFO			Modified role of mirror %(mirror) from non-preferred to preferred			
0x00700501	MAJOR			Canary on node %(node) failed to ping witness node			
0x00700502	INFO			Canary on node %(node) successfully pinged witness node after previous ping failure			
0x00700601	INFO			Witness configured on mirror/group %(mirror) successfully			
0x00700602	INFO			Witness unconfigured from mirror/group %(mirror) successfully			
0x00700603	INFO			Witness not configured on the non-preferred side for mirror/group %(mirror)			
0x00700604	INFO			Witness configured on the non-preferred side is different from the one on the preferred side for mirror/group %(mirror)			
0x00701501	INFO			Obsolete. May be removed in the future.			
0x00701502	INFO			Obsolete. May be removed in the future.			
0x00701503	MAJOR			Obsolete. May be removed in the future.			
0x00701504	MAJOR			Transit Connection between endpoints has changed			
0x00701505	MAJOR			Transit Connection between endpoints is unstable			
0x00701F01	INFO			Get Ping Status success event			
0x00701F02	INFO			Get Ping Status success event			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00701F03	INFO			IA error event			
0x00702901	INFO			Volume is Available			
0x00702902	MAJOR			Volume is Unavailable			
0x00800101	INFO			Rebind requested			
0x00800102	INFO			Rebind processed			
0x00800201	INFO			Protocol endpoint created			
0x00800202	INFO			Protocol endpoint deleted			
0x00900301	MAJOR	TRUE		Unable to create a replication session from %(source_name) to %(remote_system_n ame) due to the error: %(error_messag e_key)	Resolve the issue reported in the error message and wait for the next RPO cycle. The next RPO cycle will automatically clear this alert if the issue has been resolved.	The volume is not yet protected by replication.	KB # 130712
0x00900302	INFO			The replication session from %(source_name) to %(remote_system_n ame) has been created successfully.			
0x00900303	INFO			Protection on %(source_name) has been updated.			
0x00900D01	MINOR	TRUE		Replication could not meet the RPO specified in the %(replication_rule_ name) rule.	Check the network connectivity between the source and destination systems. Also, ensure that the destination system has enough space, and synchronization jobs that are already in progress are not blocked for any reason. If the alert persists, consider increasing the Alert Threshold setting in the %(replication_rule_name) rule.	Remote protection is not meeting the RPO.	
0x00900D02	INFO			Replication successfully meets the RPO specified in the %(replication_rule_ name) rule.			
0x00900D03	MAJOR	TRUE		Replication is continuously missing the RPO specified in the %(replication_rule_ name) rule.	Check the network connectivity between the source and destination systems. Also, ensure that the destination system has enough space, and synchronization jobs that are already in progress are not blocked for any reason.	Remote protection is continuously missing the RPO.	KB # 128511

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
					If the alert persists, consider increasing the Alert Threshold setting in the %(replication_rule_name) rule and review your RPO setting.		
0x00900D04	INFO			Protection on %(source_name) has been updated.			
0x00900E01	MAJOR	TRUE		Unable to create a replication session from %(source_name) to %(remote_system_name) due to the error: %(error_message_key)	Resolve the issue reported in the error message and wait for the next RPO cycle. The next RPO cycle will automatically clear this alert if the issue has been resolved.	The NAS Server is not yet protected by replication.	KB # 000130712
0x00900E02	INFO			The replication session from %(source_name) to %(remote_system_name) has been created successfully.			
0x00900E03	INFO			Protection on %(source_name) has been updated.			
0x00901001	MAJOR	TRUE		Unable to create a replication session from %(source_name) to %(remote_system_name) due to the error: %(error_message_key)	Resolve the issue reported in the error message and wait for the next RPO cycle. The next RPO cycle will automatically clear this alert if the issue has been resolved.	The volume is not yet protected by replication.	KB # 130712
0x00901002	INFO			Automatic replication session creation from %(source_name) to %(remote_system_name) has completed successfully.			
0x00901003	INFO			Protection for %(source_name) has been updated.			
0x00901301	MINOR	TRUE		Replication could not meet the RPO specified in the %(replication_rule_name) rule.	Check the network connectivity between the source and destination systems. Also, ensure that the destination system has enough space, and synchronization jobs that are already in progress are not blocked for any reason.	Remote protection is not meeting the RPO.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
					If the alert persists, consider increasing the Alert Threshold setting in the %(replication_rule_name) rule.		
0x00901302	INFO			Replication successfully meets the RPO specified in the %(replication_rule_name) rule.			
0x00901303	MAJOR	TRUE		Replication is continuously missing the RPO specified in the %(replication_rule_name) rule.	Check the network connectivity between the source and destination systems. Also, ensure that the destination system has enough space, and synchronization jobs that are already in progress are not blocked for any reason. If the alert persists, consider increasing the Alert Threshold setting in the %(replication_rule_name) rule and review your RPO setting.	Remote protection is continuously missing the RPO.	KB # 128511
0x00901304	INFO			Protection for %(source_name) has been updated.			
0x00901401	INFO			Replication rule %(rule_name) has been created.			
0x00901402	INFO			Replication rule %(rule_name) has been updated.			
0x00901403	INFO			Replication rule %(rule_name) has been deleted.			
0x00901501	MAJOR	TRUE		Unable to configure the protection policy on the remote system due to error: %(error_message_key).	Resolve the issue reported in the error message. Once the issue has been resolved, the protection policy on the remote system will be created and the alert cleared.	Local protection is not configured for the metro resource on the remote system.	KB # 000130712
0x00901502	INFO			The protection policy was configured successfully on the remote system.			
0x00901601	MAJOR	TRUE		Unable to create a replication session from %(source_name) to %(remote_system_name) due to	Resolve the issue reported in the error message and wait for the next RPO cycle. The next RPO cycle will automatically clear this alert if the issue has been resolved.	Replication group is not protected.	KB # 000130712

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				error: %(error_message_key)			
0x00901602	INFO			The replication session from %(source_name) to %(remote_system_name) is created.			
0x00901603	INFO			Protection policy on %(source_name) has been updated.			
0x00901701	MINOR	TRUE		Replication session did not meet the RPO specified in the %(replication_rule_name) rule.	Check network connectivity between the source and destination systems. Ensure that the destination system has enough space, and synchronization jobs that are already in progress are not blocked. If the alert persists, consider increasing the Alert Threshold setting in the %(replication_rule_name) rule.	Remote protection is not RPO compliant.	KB # 000128511
0x00901702	INFO			Replication session meets the RPO specified in the %(replication_rule_name) rule.			
0x00901703	MAJOR	TRUE		Replication session is continuously missing the RPO specified in the %(replication_rule_name) rule.	Check network connectivity between the source and destination systems. Ensure that the destination system has enough space, and synchronization jobs that are already in progress are not blocked. If the alert persists, consider increasing the Alert Threshold setting in the %(replication_rule_name) rule and review your RPO setting.	Remote protection is not RPO compliant.	KB # 000128511
0x00901704	INFO			Protection policy for %(source_name) has been updated.			
0x00901801	MAJOR	TRUE		Unable to configure the protection policy on the remote system due to error: %(error_message_key).	Resolve the issue reported in the error message. Once the issue has been resolved, the protection policy on the remote system will be created and the alert cleared.	Local protection is not configured for the metro resource on the remote system.	KB # 000221213

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00901802	INFO			The protection policy was configured successfully on the remote system.			
0x00906501	MAJOR	TRUE		Creating a snapshot from %(source_name) using the %(rule_name) rule failed with error: %(error_message_key)	Resolve the issue reported in the error message.	Scheduled snapshots are interrupted.	KB # 130945
0x00906502	INFO			Scheduled snapshot creation from %(source_name) using the %(rule_name) rule has completed successfully.			
0x00906503	INFO			Protection for %(source_name) has been updated.			
0x00906701	MAJOR	TRUE		Failed to remove the expired snapshot %(snap_name) due to error: %(error_message_key)	Resolve the issue reported in the error message. The system will remove the expired snapshot during the next cleanup cycle.	Expired snapshots that are not removed consume storage space and can cause the system to reach snapshot limits, which can prevent new snapshots from being created.	KB # 130945
0x00906702	INFO			Removed the expired snapshot %(snap_name).			
0x00906B01	INFO			Scheduled snapshot creation from %(source_name) using the %(rule_name) rule has completed successfully.			
0x00906B02	MINOR	TRUE		Created a non-quiesced snapshot from virtual machine %(source_name) using the %(rule_name) rule by schedule.	Ensure that VMware Tools are installed, running and managed by VMware.		

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00906B03	MAJOR	TRUE		Skipped creation of scheduled snapshot from virtual machine %(source_name) because a drive was detected of a type that is not a virtual volume.	Ensure that the virtual machine has only virtual volume drives to continue creation of scheduled virtual machine snapshots.		KB # 130945
0x00906B04	MAJOR	TRUE		Skipped creation of scheduled snapshot from virtual machine %(source_name) because the snapshot limit for this virtual machine has been reached.	Delete some manually created snapshots for this virtual machine.		KB # 130945
0x00906B05	MAJOR	TRUE		Skipped creation of scheduled snapshot from virtual machine %(source_name) because there is no space for a snapshot.	Use vCenter to verify that there is enough free space on the virtual machine storage to continue scheduled virtual machine snapshot creation.		KB # 130945
0x00906B06	MAJOR	TRUE		Skipped creation of scheduled snapshot from virtual machine %(source_name) because there is no quiesce capability for the virtual machine.	To continue creating scheduled virtual machine snapshots, quiesce capability must be supported.		KB # 130945
0x00906B07	MAJOR	TRUE		Creating a snapshot from %(source_name) using the %(rule_name) rule failed with error: %(error_message_key)	Check the virtual machine status and health in vCenter.	Scheduled snapshots are interrupted.	KB # 130945
0x00906B08	INFO			It is not possible to create a scheduled virtual machine snapshot because the virtual machine %(source_name) was deleted.			
0x00906B09	MINOR	TRUE		Scheduled snapshot creation from %(source_name) using	Check snapshots hierarchy of the virtual machine. Reconfigure the virtual machine snapshot schedule to reduce the snapshot frequency.		

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				the %(rule_name) has completed, but deleted the oldest scheduled snapshot for this virtual machine.			
0x00906B0A	MINOR	TRUE		Created a non-quiesced snapshot from virtual machine %(source_name) using the %(rule_name) rule by schedule after removing the closest expiring vm snapshots.	Ensure that VMware Tools are installed, running, and managed by VMware. Check snapshots hierarchy of the virtual machine. It is recommended that you reconfigure the virtual machine snapshot schedule.		
0x00906B0B	MINOR	TRUE		Skipped creation of scheduled snapshot from virtual machine %(source_name) using the %(rule_name) rule because a previous scheduled snapshot is still in progress.	Reconfigure the virtual machine snapshot schedule to reduce the snapshot frequency.		
0x00906B0C	INFO			Protection for %(source_name) has been updated.			
0x00906C01	MAJOR	TRUE		Removing the oldest scheduled snapshot %(snap_name) for virtual machine %(source_name) failed with error: %(error_message_key)	Check the virtual machine and snapshot status and health in vCenter.	Scheduled virtual machine snapshots may not be created.	KB # 130945
0x00906C02	INFO			The oldest scheduled snapshot %(snap_name) was removed to continue creation of scheduled virtual machine snapshot for %(source_name).			
0x00906D01	MAJOR	TRUE		Failed to remove the expired virtual machine snapshots due to error %(error_message_key)	Resolve the issue reported in the error message. The system will remove the expired snapshot during the next cleanup cycle.	Expired snapshots that are not removed consume storage space and can cause the system to reach snapshot limits,	KB # 130945

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						which can prevent new snapshots from being created.	
0x00906D02	INFO			Removed expired virtual machine snapshots.			
0x00906E01	MAJOR	TRUE		Creating a snapshot from %(source_name) using the %(rule_name) rule failed with error: %(error_message_key)	Resolve the issue reported in the error message.	Scheduled snapshots are interrupted.	KB # 130945
0x00906E02	INFO			Scheduled snapshot creation from %(source_name) using the %(rule_name) rule has completed successfully.			
0x00906E03	INFO			Protection for %(source_name) has been updated.			
0x00906F01	MAJOR	TRUE		Failed to remove the expired snapshot %(snap_name) due to error: %(error_message_key).	Resolve the issue reported in the error message. The system will remove the expired snapshot during the next cleanup cycle.	Expired snapshots that are not removed consume storage space and can cause the system to reach snapshot limits, which can prevent new snapshots from being created.	KB # 130945
0x00906F02	INFO			Removed the expired snapshot %(snap_name).			
0x00907001	MAJOR	TRUE		Scheduled volume snapshots were not created because the number of snapshots would exceed the limit of %(max_snaps_per_appliance) per appliance.	Manually delete unnecessary volume snapshots or wait for expired volume snapshots to be automatically deleted by the system. Consider adjusting your snapshot rules to reduce the frequency of snapshot creation or decrease the snapshot retention period.	No new scheduled snapshots will be created.	KB # 130945
0x00907002	INFO			The number of volume snapshots on the			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				appliance is below the limit of %(max_snaps_per_appliance).			
0x00907101	INFO			Snapshot rule %(rule_name) has been created.			
0x00907102	INFO			Snapshot rule %(rule_name) has been updated.			
0x00907103	INFO			Snapshot rule %(rule_name) has been deleted.			
0x00907201	MAJOR	TRUE		Scheduled volume snapshots were not created because the number of snapshots would exceed the limit of %(max_snaps_per_cluster) per cluster.	Manually delete unnecessary volume snapshots or wait for expired volume snapshots to be automatically deleted by the system. Consider adjusting your snapshot rules to reduce the frequency of snapshot creation or decrease the snapshot retention period.	No new scheduled snapshots will be created.	KB # 000221213
0x00907202	INFO			The number of volume snapshots on the appliance is below the limit of %(max_snaps_per_cluster).			
0x0090CA01	MAJOR	TRUE		Unable to create remote backup session, for %(source_name) due to error: %(error_message_key).	Resolve the issue reported in the error message and wait for the next remote backup rule to trigger. The next remote backup rule trigger will automatically clear this alert if the issue has been resolved.	The volume is not yet protected by remote backup.	KB # 207908
0x0090CA02	INFO			The remote backup session for %(source_name) has been created.			
0x0090CA03	INFO			Protection on %(source_name) has been updated.			
0x0090CB01	MAJOR	TRUE		Unable to create remote session, for %(source_name) due to error: %(error_message_key).	Resolve the issue reported in the error message and wait for the next remote backup rule trigger. The next remote backup rule trigger will automatically clear this alert if the issue has been resolved.	The volume group is not yet protected by remote backup.	KB # 207908

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0090CB02	INFO			The remote backup session for %(source_name) has been created.			
0x0090CB03	INFO			Protection on %(source_name) has been updated.			
0x00A00201	INFO			DRS recommendation %(recommendation_id) has been accepted.			
0x00A00202	INFO			DRS recommendation %(recommendation_id) has been rejected.			
0x00A00301	MAJOR	TRUE		The appliance %(object_id) is projected to run out of space in %(ttf_days) days.	Perform one of the following: Assisted Migration from the projected "out of space" alert in PowerStore Manager, add drives, or remove unused snapshots or volumes.	Appliance is projected to run out of capacity.	KB # 000131197
0x00A00302	MINOR	TRUE		Appliance %(object_id) is projected to run out of space in %(ttf_days) days.	Consider adding drives or removing unused snapshots or volumes.	Appliance is projected to run out of capacity.	KB # 000131197
0x00A00303	INFO			Appliance %(object_id) is not projected to run out of space for %(ttf_days) days.			
0x00A00401	MAJOR	TRUE		The cluster is projected to run out of space in %(ttf_days) days.	Perform one of the following: add another appliance or expansion shelf, add drives, or remove unused snapshots or volumes.	Cluster is projected to run out of capacity.	KB # 000131197
0x00A00402	MINOR	TRUE		The cluster is projected to run out of space in %(ttf_days) days.	Consider performing one of the following: add another appliance or expansion shelf, add drives, or remove unused snapshots or volumes.	Cluster is projected to run out of capacity.	KB # 000131197
0x00A00403	INFO			Cluster is not projected to run out of space for %(ttf_days) days.			
0x00A00501	INFO			VMware DRS service configuration has been recovered.			
0x00A00502	MAJOR	TRUE		Automated recovery of vSphere DRS service configuration has failed.	The PowerStore X vSphere cluster requires a DRS automation level of Partially Automated. Verify the DRS settings and update if necessary.	Some PowerStore X clustering capabilities will not be fully functional	KB # 000128990

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				The current DRS configuration is invalid.		until vSphere DRS settings are updated.	
0x00A00601	MINOR	TRUE		System drives are experiencing high wear rates.	System drives are experiencing high wear rates, and may need replacement. Please contact Dell Support.	Drives may need replacement.	KB # 000131197
0x00A00602	INFO			System drives are experiencing normal wear rates.			
0x00B00201	INFO			A new appliance has been added.			
0x00B00202	MAJOR	TRUE		Appliance with DST: %(serial_number) and IP address: %(applianceIp) failed to join cluster %(clusterName).	Contact your service provider for assistance.	Appliance could not be added to the cluster. Existing appliances are not impacted.	KB # 000182004
0x00B00203	INFO			Add appliance post core initialization started.			
0x00B00301	INFO			CHAP mode has been changed to disabled.			
0x00B00302	INFO			CHAP mode has been changed to single.			
0x00B00303	INFO			CHAP mode has been changed to mutual.			
0x00B00401	INFO			An appliance is being removed from the cluster.			
0x00B00402	INFO			An appliance has been removed from cluster.			
0x00B00403	MINOR			Appliance removal validation has failed.	Resolve the blocking errors and try again.	Appliance cannot be removed.	
0x00B00404	MAJOR	TRUE		Appliance removal has failed.	Retry the appliance removal. If the problem persists, contact your service provider.	Appliance cannot be removed.	KB # 000182004
0x00B00501	CRITICAL	TRUE		The appliance cluster management state for %(name) changed to offline.	Check the appliance and resolve any network or hardware issues. If the issue persists, contact your service provider.		KB # 000127702
0x00B00502	INFO			The appliance cluster management state for %(name) has changed to online.			
0x00B00601	INFO			The appliance %(appl_id) is			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				eligible to assume cluster responsibilities.			
0x00B00602	MINOR	TRUE		The appliance %(appl_id) is temporarily suspended from participating in HA. This should clear as soon as the maintenance action is complete.	Complete maintenance action.	If there is an appliance failure in the cluster, this appliance cannot assume any cluster responsibilities.	
0x00B00701	INFO			Appliance %(appl_id) services level is healthy.			
0x00B00702	CRITICAL	TRUE	TRUE	Appliance service level is degraded. Management and I/O functions are limited.	Contact your service provider for assistance.	Management functions are limited and I/O is impacted on appliance %(appl_id).	KB # 000132992
0x00B00703	CRITICAL	TRUE	TRUE	Appliance service level is critical. Management and I/O functions are severely restricted.	Contact your service provider for assistance.	Management functions are severely restricted and I/O is unavailable on appliance %(appl_id).	KB # 000132992
0x00B00704	CRITICAL	TRUE	TRUE	Appliance service level is degraded. Management and I/O functions are limited.	Add storage or free up space on appliance %(appl_id).	Management functions are limited and I/O is impacted on appliance %(appl_id).	KB # 000132992
0x00B00801	CRITICAL	TRUE		Creation of intra-cluster data mobility connections failed.	Contact your service provider.	This affects intra-cluster migration of storage objects between appliances. It also impacts PowerStore file services and external storage import functionality.	KB # 128502
0x00B00802	INFO			Creation of intra-cluster data mobility connections succeeded.			
0x00B00901	INFO			Post Core initialization started.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00B00902	INFO			Post Core initialization completed successfully.			
0x00B00A01	MINOR	TRUE		Appliance removal is in progress.	Wait for the appliance removal process to complete.	Management operations will be limited during the appliance removal process.	
0x00B00A02	INFO			Management operations are no longer affected by appliance removal.			
0x00B00B01	INFO			An appliance is being powered down.			
0x00B00B02	INFO			Appliance has been powered down.			
0x00B00B03	MINOR	TRUE		Appliance power down validation has failed.	Resolve any validation issues and try again.	Appliance cannot be powered down.	
0x00B00B04	MAJOR	TRUE		Appliance power down has failed.	Retry the appliance power down. If the problem persists, contact your service provider.	Appliance cannot be powered down.	KB # 000205082
0x00B00C01	INFO			PowerStore Manager post core initialization completed successfully.			
0x00B00C02	MAJOR			Future use: PowerStore Manager post core initialization failed.			
0x00B00C03	INFO			PowerStore Manager post core initialization unconfigured.			
0x00B00D01	MINOR	TRUE		PowerStore Manager and REST processes are scheduled to be rebalanced.	PowerStore Manager and REST processes will be rebalanced. Restoration of management will require a few minutes to complete.	PowerStore Manager and REST commands will be unavailable during rebalancing.	
0x00B00D02	INFO			The management resources for an appliance have been rebalanced.			
0x00B00E01	INFO			The management resources for an appliance are deployed with degraded performance.	Management resources will be automatically redeployed.		
0x00B00E02	INFO			The management resources for an appliance are deployed normally.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00B01401	INFO			UUIDs are successfully synchronized for all target port groups.			
0x00B01402	MAJOR	TRUE	TRUE	Failed to synchronize remote system Target Port Group UUIDs.	Contact your service provider for assistance.	Metro clustering feature is not available for new metro sessions, but there is no impact on existing metro activities.	KB # 000221337
0x00B01501	INFO			Appliance configurations have been successfully updated.			
0x00B01502	MAJOR	TRUE	TRUE	Failed to update cluster's appliances configuration.	Contact your service provider for assistance.	Add Appliance operation and I/O to existing appliances may be impacted.	KB # 000221337
0x00B01601	MAJOR	TRUE		Failed to synchronize %(software_package_name) to the newly added appliance %(appliance_name).	Check the PowerStore Manager Upgrades page. If %(software_package_name) is listed, remove the package. Try uploading and installing the latest firmware suited to the cluster software version installed.	The new appliance firmware is not synchronized with the cluster firmware versions.	KB # 000226460
0x00B01602	INFO			Synchronization of the disk firmware package for appliance %(appliance_name) is successful.			
0x00B01603	INFO	TRUE		Synchronization of %(software_package_name) for the newly added appliance %(appliance_name) is in progress.			
0x00B01604	INFO			Synchronization of the drive firmware package for appliance %(appliance_name) has started.			
0x00B01701	MAJOR	TRUE		Failed to synchronize %(software_package_name) to the newly added appliance %(appliance_name).	Check the PowerStore Manager Upgrades page. If %(software_package_name) is listed, remove the package. Try uploading and installing the latest hotfix suited to the cluster software version installed.	The new appliance hotfix is not synchronized with the cluster hotfix versions and is running a previous version.	KB # 000226460

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00B01702	INFO			Synchronization of the Hotfix package for appliance %(appliance _name) is successful.			
0x00B01703	INFO			Synchronization of the hotfix package for appliance %(appliance _name) has started.			
0x00B01801	MAJOR	TRUE		Failed to synchronize %(softwar e_package_name) to the newly added appliance %(appliance _name).	Check the PowerStore Manager Upgrades page. If %(software_package_name) is listed, remove the package. Try uploading and installing the latest language pack suited to the cluster software version installed.	The new appliance language pack is not synchronized with the cluster language pack version. If this becomes the primary appliance, the default language will be used.	KB # 000226460
0x00B01802	INFO			Synchronization of the Language Pack package for appliance %(appliance _name) is successful.			
0x00B01803	INFO			Synchronization of the language pack for appliance %(appliance _name) has started.			
0x00B01901	MAJOR	TRUE		Failed to synchronize %(softwar e_package_name) to the newly added appliance %(appliance _name).	Check the PowerStore Manager Upgrades page. If %(software_package_name) is listed, remove the package. Try uploading and installing the latest health check package suited to the cluster software version installed.	The new appliance health check package is not synchronized with the cluster.	KB # 000226460
0x00B01902	INFO			Synchronization of the Health Check package for appliance %(appliance _name) is successful.			
0x00B01903	INFO			Synchronization of the health check package for appliance %(appliance _name) has started.			
0x00B01A01	MAJOR	TRUE		Failed to synchronize %(softwar e_package_name) to the newly added	Check the PowerStore Manager Upgrades page. If %(software_package_name) is listed, remove the package. Try	The new appliance analytics package is not synchronized with the cluster	KB # 000226460

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				appliance %(appliance_name).	uploading and installing the latest analytics package suited to the cluster software version installed.	analytics package version.	
0x00B01A02	INFO			Synchronization of the Analytics package for appliance %(appliance_name) is successful.			
0x00B01A03	INFO			Synchronization of the analytics package for appliance %(appliance_name) has started.			
0x00B01B01	INFO	TRUE		The cluster is being powered down.			
0x00B01B02	INFO			Cluster appliances are being powered down.			
0x00B01B03	MINOR	TRUE		Cluster power down validation has failed.	Review the list of blocking validation issues, then run the cluster power down again.	Cluster is still running.	
0x00B01B04	MAJOR	TRUE		Cluster failed to power down.	Retry the cluster power down. If the problem persists, contact your service provider for assistance.	The cluster is still up and running. One or more appliances may have been shut down.	KB # 000205082
0x00B01C01	INFO			Synchronization of operating system software for the new appliance %(appliance_dst) has started.			
0x00B01C02	INFO			Synchronization of operating system software for the new appliance %(appliance_dst) was successful.			
0x00B01C03	MAJOR			Failed to synchronize operating system software to the new appliance %(appliance_dst).	Contact your service provider for assistance.	Appliance could not be added to the cluster. Existing appliances are not impacted.	
0x00B01D01	INFO			Updating the appliance name to %(appliance_name) has started.			
0x00B01D02	INFO			Updating the appliance name to %(appliance_name) was successful.			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00B01D03	MINOR			Failed to update appliance name to %(appliance_name).	Contact your service provider for assistance.	Appliance name is not changed.	KB # 000205082
0x00B01E01	INFO			Updating the cluster name %(cluster_name) and MTU has started.			
0x00B01E02	INFO			Updating the cluster name %(cluster_name) and MTU was successful.			
0x00B01E03	MAJOR	TRUE		Failed to update cluster name %(cluster_name) and MTU.	Contact your service provider for assistance.	Cluster management operations may be impacted.	KB # 000205082
0x00B01F01	INFO			Setting appliance %(appliance_dst) to mode %(appliance_target_mode) has started.			
0x00B01F02	INFO			Setting appliance %(appliance_dst) to mode %(appliance_target_mode) was successful.			
0x00B01F03	MAJOR	TRUE		Failed to set appliance mode to %(appliance_target_mode) for the new appliance.	Contact your service provider for assistance.	Appliance cannot be added to the cluster.	KB # 000205082
0x00B02001	INFO			Update appliance action state mask to %(action_state_mask).			
0x00B02101	INFO			Internal CIAM service transitioned to healthy.			
0x00B02102	MAJOR	TRUE	TRUE	Internal CIAM service transitioned to unhealthy.	Contact your service provider for assistance.	Some authentication services may not be functional.	KB # 000247123
0x00B02201	MINOR	TRUE		Failed to synchronize %(software_package_name) to the newly added appliance %(appliance_name).	Check the PowerStore Manager Upgrades page. If %(software_package_name) is listed, remove the package. Upload the failed package again and perform the upgrade.	The Rx Definitions package is not synchronized with the newly added appliance. The proactive health monitoring service will not be active for	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						the newly added appliance.	
0x00B02202	INFO			Synchronization of the Rx Definitions package for appliance %(appliance_name) was successful.			
0x00B02203	INFO			Synchronization of the Rx Definitions package for appliance %(appliance_name) has started.			
0x00D00101	MINOR	TRUE		Attempt to update SupportAssist service data for appliance %(appliance_id) has failed with error %(error_message_key).	This will not prevent SupportAssist features from functioning but this information will help your support provider resolve problems faster. The SupportAssist data can be manually updated using the svc_remote_support service script.		
0x00D00102	INFO			SupportAssist service data for appliance %(appliance_id) has completed successfully.			
0x00D00103	INFO			SupportAssist service data for appliance %(appliance_id) has been cancelled.			
0x00D00201	MAJOR	TRUE	TRUE	Cluster connectivity to SupportAssist is degraded. Appliance status: %(appliance_info).	This usually indicates a network issue. Identify and resolve the network issues on the affected appliance. To identify, navigate to Settings -> Support -> Support Connectivity and then hover over the connectivity status.	SupportAssist connectivity may be limited.	KB # 000126457
0x00D00202	CRITICAL	TRUE		One or more appliances are not connected to SupportAssist. Appliance status: %(appliance_info).	This usually indicates a network or firewall issue. Identify and resolve the network or firewall issues on the affected appliance. To identify, navigate to Settings -> Support -> Support Connectivity and then hover over the connectivity status.	SupportAssist connectivity is limited.	KB # 000126457
0x00D00203	INFO			Cluster connectivity is %(status). Appliance			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				status: %(appliance_info).			
0x00D00204	MINOR			Cluster connectivity is partially restored. Appliance status: %(appliance_info).			
0x00D00205	MINOR	TRUE		Lost contact with one or more appliances, cluster connectivity is unknown. Appliance status: %(appliance_info).	This usually indicates a network issue. Identify and resolve the network issues on the affected appliance. To identify, navigate to Settings -> Support -> Support Connectivity and then hover over the connectivity status.	SupportAssist connectivity may be limited.	
0x00D00206	INFO			SupportAssist is disabled.			
0x00D00301	INFO			SupportAssist was successfully enabled for the appliance.			
0x00D00302	MAJOR	TRUE		SupportAssist was not enabled for the appliance due to a configuration error: %(error_message)	Navigate to Settings -> Support -> Support Connectivity to view and correct the connectivity status for the cluster and the appliance.	SupportAssist and APEX AIOps Observability services are not available.	KB # 000126457
0x00D00303	MAJOR	TRUE		SupportAssist was not enabled for the appliance due to a connection verification error.	Navigate to Settings -> Support -> Support Connectivity to view and correct the connectivity status for the cluster and the appliance. If the problem persists, contact your service provider.	SupportAssist and APEX AIOps Observability services are not available.	KB # 000126457
0x00D00304	MAJOR	TRUE		SupportAssist was not enabled for the appliance due to a connectivity error with the configured gateway: %(error_message)	Navigate to Settings -> Support -> SupportAssist to view and correct the gateway IP address. If the gateway IP address is correct, verify that the network to which the appliance is connected supports connectivity between the appliance and the gateway.	SupportAssist and APEX AIOps Observability services are not available.	
0x00D00305	MAJOR	TRUE		SupportAssist was not enabled for the appliance as the gateway version is not compatible with the appliance software version.	Update the gateway version or use a gateway with a compatible version: %(error_message). Refer to the Security Configuration Guide for compatible gateway versions.	SupportAssist and APEX AIOps Observability services are not available.	

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00D00401	INFO	TRUE		Support Connectivity is not enabled for the cluster.	Navigate to Settings -> Support -> Support Connectivity to enable the connectivity status for the cluster.	Enabling Support Connectivity allows for more rapid and effective Service Provider assistance, when needed.	
0x00D00402	INFO			Reminder to enable Support Connectivity was cleared.			
0x00E00101	INFO			Migration state transition has occurred.			
0x00E00102	INFO			Migration job is initializing.			
0x00E00103	INFO			Migration job has been initialized.			
0x00E00104	INFO			Migration job is synchronizing.			
0x00E00105	INFO			Migration job is idle.			
0x00E00106	INFO			Migration job is committing.			
0x00E00107	INFO			Migration job is being canceled.			
0x00E00108	INFO			Migration job is complete.			
0x00E00109	MAJOR	TRUE		Migration job has failed because of an error: %(status)	Delete the current migration session and create a new one. If deleting the migration session fails, contact your service provider.	Migration cannot be accomplished.	KB # 000179599
0x00E0010A	INFO			Migration job has been cancelled.			
0x00E0010B	MAJOR	TRUE		Migration job has been paused because of an error: %(status)	Resume the migration session. If the problem persists, contact your service provider.	Migration session has been paused.	KB # 000179599
0x00E0010C	INFO			The user has paused the migration job.			
0x00E0010D	INFO			Migration job is invalid.			
0x00E0010E	INFO			Migration job is cutting over.			
0x00E0010F	INFO			Migration job cancel has failed because of an error: %(status).			
0x00E00110	INFO			Migration job pause has failed because of an error: %(status).			
0x00E00111	INFO			Migration job deletion has failed because of an error: %(status)			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00E00112	INFO			Migration job is being paused.			
0x00E00113	INFO			Migration job is being resumed.			
0x00E00114	INFO			Migration job has been deleted.			
0x00E00115	MAJOR	TRUE		vVol %(vvol_id) cannot be deleted while migration session %(migration_session_id) exists.	Wait for the migration session to complete, then delete the volume. If the migration session cannot be deleted, contact your service provider.	vVol cannot be deleted.	KB # 000188276
0x00E00116	INFO			vVol %(vvol_id) has a high number of binds. Cutover for the vVol might fail.			KB # 000179599
0x00E00117	CRITICAL	TRUE	TRUE	Cutover for vVol %(vvol_id) failed due to high number of binds.	Power off the virtual machine hosted the vVol and resume the migration. If the problem persistes, contact your service provider.	vVol migrations fail.	KB # 000179599
0x00E00118	INFO	TRUE		Migrated virtual machine %(vm_id) has distributed virtual volume in the virtual volume family.	Re-run the virtual machine migration to have all virtual volumes on the same appliance.	Not all virtual volumes in the virtual volume family are located on the same appliance.	
0x00E00119	INFO	TRUE		Migrated replication group %(rg_id) has distributed virtual volume in the virtual volume family.	Re-run the replication group migration to have all virtual volumes on the same appliance.	Not all virtual volumes in the replication group family are located on the same appliance.	
0x00F00101	INFO			Import session for %(import_session_name) has started.			
0x00F00102	MINOR	TRUE		Import session for %(import_session_name) has failed.	Retry the import.	No system impact.	
0x00F00104	INFO			Import session for %(import_session_name) has completed.			
0x00F00105	INFO			Import session for %(import_session_name) has been cancelled.			
0x00F00106	MINOR	TRUE		Cancel for import session %(import_session_name) has failed.	Retry cancel.	No system impact.	
0x00F00107	CRITICAL	TRUE	TRUE	Volume Group %(import_sessio	Import has been cancelled for members that encountered failure.	A consistent snapshot of the	KB # 000129909

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				n_name) cutover completed with errors. Some of the members could not be committed because of mirror failure during cutover. User intervention is required.	Check individual members state for failed members. Follow the steps mentioned in the knowledge base article to import the failed members individually.	source volume group is no longer valid as some of the volume group members have been migrated to destination.	
0x00F00108	MINOR	TRUE		Cutover for import session %(import_sessi on_name) has failed.	Retry cutover.	No system impact.	
0x00F0010A	INFO			Previous alerts for import session %(import_sessi on_name) have been cleared, as a subsequent import has now succeeded, or the remote system has been disconnected.			
0x00F0010B	INFO			Import session for volume group %(import_sessio n_name) has started.			
0x00F0010C	MINOR	TRUE		Import session for volume group %(import_sessio n_name) has failed.	Retry the import.	No system impact.	
0x00F0010D	INFO			Import session for volume group %(import_sessio n_name) has completed.			
0x00F0010E	INFO			Import session for volume group %(import_sessio n_name) is ready for cutover.			
0x00F0010F	INFO			Import session for volume group %(import_sessio n_name) is ready for cutover.			
0x00F00110	CRITICAL	TRUE	TRUE	Volume group import session for %(import_session_n ame) requires attention.	Bring the source up and run the cleanup operation on import session to revert source volume to pre-import state. Before starting an import, run "verify and update" from	Administrative operations on one or more member source volume(s) may be restricted,	KB # 000129909

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
					UI under import external storage on source array. If host I/O is interrupted, a reboot of the host might be required. If the problem persists, contact your service provider.	or host applications may have been impacted.	
0x00F00112	INFO			Import session %(import_session_name) has successfully paused.			
0x00F00113	MINOR	TRUE		Pause for import session %(import_session_name) has failed.	Retry pause.	No system impact.	
0x00F00115	INFO			Volume group import session %(import_session_name) has successfully paused.			
0x00F00116	MINOR	TRUE		Pause for volume group import session %(import_session_name) has failed.	Retry pause.	No system impact.	
0x00F00118	INFO			Mirror enabled successfully for import session %(import_session_name).			
0x00F00119	INFO			Successfully enabled destination volume for import session %(import_session_name).			
0x00F0011A	INFO			Copy started for import session %(import_session_name).			
0x00F0011B	CRITICAL	TRUE	TRUE	Import session %(import_session_name) failed due to mirror failure.	Reconfigure host access to the source volume. Cancel the import session, create a new import session to retry the import.	Host applications may be impacted.	KB # 000129909
0x00F0011C	CRITICAL	TRUE	TRUE	Operation on import session %(import_session_name) has failed with errors.	Bring the source up and run the cleanup operation on import session to revert source volume to pre-import state. Before starting an import, run "verify and update" from UI under import external storage on source array. If host I/O is interrupted, a reboot of the host might be required. If the problem persists, contact your service provider.	Host applications will be impacted and/or administrative operations on the source volume will be restricted.	KB # 000129909

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00F0011D	MINOR	TRUE		Operation on import session %(import_session_name) has failed with errors on the source side.	Check that the source volume is online and operational. Ensure that connectivity between destination and source is intact. From PowerStore Manager, refresh the remote system.	No system impact.	
0x00F0011E	MINOR	TRUE		Operation on import session %(import_session_name) has failed with errors on the host side.	Verify that the host multipath software and host agent software are running. Ensure that connectivity between host, destination and source is intact. Refer to Importing External Storage to PowerStore Guide for scale limits and load during import. If problem persists, contact your service provider.	No system impact.	
0x00F0011F	MINOR	TRUE		Operation on import session %(import_session_name) has failed with errors on the PowerStore.	Refer to the import session status for more details.	No system impact.	
0x00F00120	CRITICAL	TRUE	TRUE	Import session %(import_session_name) has failed due to mirror failure. Import is being auto-cancelled.	Verify that all PowerStore nodes are operational. Ensure that connectivity between destination and source is intact. Before retrying the import, run "Verify and Update" from PowerStore Manager under Import External Storage for the remote system.	Host applications may have been impacted.	KB # 000129909
0x00F00121	MINOR	TRUE		Operation on import session %(import_session_name) failed.	Refer to the import status for more details.	No system impact.	
0x00F00122	MINOR	TRUE		Cancel on import session %(import_session_name) failed.	Refer to the import status for more details.	No system impact.	
0x00F00123	MINOR	TRUE		Operation on import session %(import_session_name) failed while deleting the destination volume.	Run cleanup operation on the import session.	Future import on the same volume may fail.	
0x00F00124	MINOR	TRUE		Operation on import session %(import_session_name) failed.	Create a new import session.	No system impact.	
0x00F00126	MINOR	TRUE		Import session %(import_session_name) failed with errors on the host side.	Check and resolve the cluster configuration on the hosts. Create a new import session to retry.	No system impact.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00F00127	CRITICAL	TRUE	TRUE	Import session %(import_session_name) failed with errors on the host side.	Verify that the multipath and host plugin software are running. Create a new import session to retry. If the same issue persists, reboot the host and create a new import session to retry. If the issue cannot be resolved, contact your service provider.	Host applications may be impacted due to I/O failures.	KB # 000129909
0x00F00128	MINOR	TRUE		Import session %(import_session_name) failed with errors on the host side.	Ensure multi-path service is running on the host. Create a new import session to retry.	No system impact.	
0x00F00129	MINOR	TRUE		Import session %(import_session_name) failed with errors on the host side.	Verify host cluster configuration. Create a new import session to retry.	No system impact.	
0x00F0012A	MINOR	TRUE		Import session %(import_session_name) failed with errors on the host side.	Check host support matrix to verify whether host version is supported.	No system impact.	
0x00F0012B	MINOR	TRUE		Import session %(import_session_name) failed with errors on the host side.	Verify that the Microsoft Cluster service is running and cluster configuration status is healthy.	No system impact.	
0x00F0012C	MINOR	TRUE		Import session %(import_session_name) failed with errors on the host side.	Verify that the iSCSI service is running on the host.	No system impact.	
0x00F0012D	MINOR	TRUE		Import session %(import_session_name) failed with errors on the host side.	Verify host cluster configuration. Create a new import session to retry.	No system impact.	
0x00F00201	MAJOR	TRUE		Host system %(mgmt_address) cannot be added.	Verify network connectivity to the host and retry.	No system impact.	KB # 000123351
0x00F00202	INFO			Host system %(mgmt_address) has been added successfully.			
0x00F00203	INFO	TRUE		Host system %(mgmt_address) cannot be removed.	The import host cannot be removed while import sessions are in progress.	No system impact.	
0x00F00204	INFO			The host system %(mgmt_address) has been removed successfully.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00F00205	MAJOR	TRUE		The host system %(mgmt_address) is in a degraded state.	Verify the multipath and host plugin software are running and, if the problem persists, contact your service provider.	Active or new import sessions may be impacted.	KB # 000148697
0x00F00207	INFO			Host system %(mgmt_address) is in the normal state.			
0x00F00208	INFO	TRUE		The host system %(mgmt_address) refresh failed.	Verify network connectivity to the host and retry refresh.	No system impact.	
0x00F00209	INFO			The host system %(mgmt_address) refresh has completed successfully.			
0x00F0020A	CRITICAL	TRUE	TRUE	The host system %(mgmt_address) operation has failed.	Internal error during path-flip operation, host reboot is required to recover. Once the reboot is done, do a host refresh.	Host applications may have been impacted due to I/O failures.	KB # 000148697
0x00F00301	MINOR	TRUE		The remote system %(mgmt_address) cannot be added.	Verify network connectivity to the remote system.	No system impact.	
0x00F00302	INFO			The remote system %(mgmt_address) addition completed successfully.			
0x00F00303	MINOR	TRUE		The remote system %(mgmt_address) cannot be removed.	The remote system cannot be removed while import sessions are in progress, or if there are network connectivity issues.	No system impact.	
0x00F00304	INFO			The remote system %(mgmt_address) removal has completed successfully.			
0x00F00305	MAJOR	TRUE		The remote system %(mgmt_address) is in a degraded state.	Verify network connectivity and perform Verify and Update on the remote system from PowerStore Manager under Import External Storage.	Active or new import sessions may be impacted.	KB # 000128472
0x00F00307	INFO			The remote system %(mgmt_address) is in the normal state.			
0x00F00308	MINOR	TRUE		The remote system %(mgmt_address) volume discovery or refresh failed.	Verify network connectivity to the remote system and retry refresh.	No system impact.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x00F00309	INFO			The remote system %(mgmt_address) volume discovery or refresh has completed successfully.			
0x00F0030A	MINOR	TRUE		The remote system %(remote_system_name) configuration change failed.	Verify network connectivity to the remote system.	No system impact.	
0x00F0030B	INFO			The remote system %(remote_system_name) configuration change has completed successfully.			
0x00F00401	MINOR	TRUE		Reconfiguring access for an appliance on remote system %(remote_system_name) failed.	Perform the verify operation on the remote system to successfully reconfigure the appliance on the remote system.	The remote system is in update needed state. No subsequent imports can be run on this remote system.	
0x00F00402	INFO			Reconfiguring access for an appliance on remote system %(remote_system_name) completed.			
0x00F00403	INFO			Remote system %(remote_system_name) deleted, clearing the appliance reconfiguration alerts.			
0x01000101	INFO			Cleared alerts for object %(removed_object_name) of type %(removed_object_type).			
0x01000201	INFO			Alert was force cleared by service user. %(service_user_reason)			
0x01000301	INFO	TRUE		A maintenance window is enabled for the appliance.	The maintenance window duration can be viewed and extended or disabled via the Settings -> Support -> Maintenance Window.	During a maintenance window, alerts raised due to actions such as unplugging cables and swapping out	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						drives will not alert customer support of an outage. An alert generated during a maintenance window will notify customer support if it persists after the maintenance window is disabled.	
0x01000302	INFO			A maintenance window is disabled for the appliance.			
0x01100101	INFO			The migration recommendation %(id) is now complete.			
0x01100201	INFO			The migration recommendation %(id) was applied and is now complete.			
0x01100202	INFO			The migration recommendation %(id) has failed because one or more migration jobs have been cancelled.			
0x01100203	INFO			One or more of the migration jobs of the migration recommendation %(id) is now paused. Resume the jobs before execution of the recommendation can be completed.			
0x01100204	INFO			All paused migration jobs for the migration recommendation %(id) have been resumed. Execution of the recommendation is now proceeding normally.			
0x01300101	INFO			The DNS client of the %(nasServer) NAS server is working properly.			
0x01300102	MINOR	TRUE		The DNS client of the %(nasServer) NAS server is unable to	Check the NAS server network interface and the router configuration. Or check the	The DNS client is unable to connect to some of the	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				connect to some of the configured DNS servers.	availability of the configured DNS server running the 'svc_cifssupport -checkup' or 'svc_nas -dns' command from the NAS conainer.	configured DNS server however it is still operational. This may happen when the NAS server cannot reach the peer DNS server because of network problems.	
0x01300103	MAJOR	TRUE		The DNS client of the %(nasServer) NAS server is unable to connect to all configured DNS servers.	Check the NAS server network interface and the router configuration. Or check the availability of the configured DNS server running the 'svc_cifssupport -checkup' or 'svc_nas -dns' command from the NAS container.	The DNS client is unable to contact any DNS server and so is not operational. This may happen when the NAS server cannot reach the peer DNS server because of network problems.	KB # 000129821
0x01300201	MAJOR	TRUE		The NAS server %(nasServer) in the domain %(domain) can't reach any Domain Controller.	Check that the Domain Controllers are up and running and check the connectivity with the Domain Controllers.	The domain controllers are not reachable. An SMB server needs to communicate with a domain controller to work properly.	KB # 000131695
0x01300202	INFO			For the NAS server %(nasServer) in the domain %(domain), the connection with the Domain Controller is valid.			
0x01300301	MAJOR	TRUE		The SMB server of the NAS server %(nasServer) is configured to be joined to the domain %(domain), but is currently not joined.	Join the SMB server with join rest api call. This may also be due to a bad DNS configuration.	In order to work, an SMB server which is not standalone must be joined to the active directory of the MS Windows domain. The SMB server can not accept client connections in this state.	KB # 000131695
0x01300302	INFO			The SMB server of the NAS server %(nasServer) is			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				now joined to the domain %(domain).			
0x01300401	INFO			The NIS client is working properly.			
0x01300402	MINOR	TRUE		The NIS client is unable to connect to some of the configured NIS servers.	Check the NAS server network interface and the router configuration. Or check the availability of the configured NIS server running the 'svc_cifssupport -checkup' or 'svc_nas -nis' command from the NAS container.	The NIS client is unable to connect to some of the configured NIS server however it is still operational. This may happen when the NAS server cannot reach the peer NIS server because of network problems.	
0x01300403	MAJOR	TRUE		The NIS client of NAS server %(nasServer) is unable to connect to all configured NIS servers.	Check the NAS server network interface and the router configuration. Or check the availability of the configured NIS server running the 'svc_cifssupport -checkup' or 'svc_nas -nis' command from the NAS conainter.	The NIS client of NAS server %(nasServer) is unable to contact any NIS server and so is not operational. This may happen when the NAS server cannot reach the peer NIS server because of network problems.	KB # 000129478
0x01300501	MAJOR	TRUE		The LDAP service configuration of the NAS server %(nasServer) for domain %(domain) failed.	Run the 'svc_cifssupport -checkup' or 'svc_nas -ldap' command from the NAS container for diagnostics.	The LDAP service configuration of the NAS server %(nasServer) for domain %(domain) failed. The LDAP client is not operational.	KB # 000129821
0x01300502	MAJOR	TRUE		LDAP client settings on NAS server %(nasServer) are not valid within domain %(domain).	On NAS server check LDAP configuration for domain . Check binding and access rights to this LDAP server, in particular the username and password used to connect to the server. Run the 'svc_cifssupport -checkup' or 'svc_nas -ldap' command from the NAS container for diagnostics.	You have configured a LDAP service in server %(nasServer) for the domain %(domain). But the LDAP service encounters some configuration issue. So you could	KB # 000129821

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						get some unexpected issue using this name resolver.	
0x01300503	INFO			The LDAP client of the NAS server %(nasServer) for domain %(domain) is working properly.			
0x01300504	MINOR	TRUE		The LDAP client of the NAS server %(nasServer) is unable to connect to some of the configured LDAP servers.	Check the NAS server network interface and the router configuration. Or check the availability of the configured LDAP server running the 'svc_cifssupport -checkup' command from the NAS container.	The LDAP client of the NAS server %(nasServer) is unable to connect to some of the configured LDAP server for domain %(domain), however it is still operational. This may happen when the NAS server cannot reach the peer LDAP server because of network problems.	
0x01300505	MAJOR	TRUE		No LDAP servers configured for NAS server %(nasServer) are responding.	In the NAS server, check the availability of LDAP servers configured for domain . At least one of the configured LDAP server need to be operational. Check for LDAP service status or for connectivity issue. It is recommended to configure at least two LDAP servers per domain. Or check the availability of the configured LDAP server running the 'svc_cifssupport -checkup' command from the NAS container.	In the NAS server %(nasServer), LDAP service could not provide mapping anymore. All configured LDAP servers for domain %(domain) are now out of order.	KB # 000129821
0x01300601	MINOR	TRUE		Total space usage for file system %(fs), quota tree %(treePath) has exceeded the preferred (soft quota) limit.	The soft quota for the quota tree specified in the error message has been crossed. Users must delete unwanted files or directories in the quota tree, reducing the percentage of used space. Alternatively, the administrator may increase the soft quota limit for the quota tree.	The soft quota limit has been crossed for the quota tree specified in the error message.	
0x01300602	MAJOR	TRUE		Total space usage for file system %(fs), quota	The soft quota for the quota tree specified in the error message has	The soft quota limit has been crossed	KB # 000129754

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				tree %(treePath) has exceeded the preferred (soft quota) limit, and the grace period has expired.	been crossed and the grace period has expired. All further write operations for the quota tree will fail. Users must delete unwanted files or directories in the quota tree, reducing the percentage of used space. Alternatively, the administrator may increase the block soft quota limit for the quota tree.	and the grace period has expired for the quota tree specified in the error message. All further write operations for the quota tree will fail.	
0x01300603	MAJOR	TRUE		Total space usage for file system %(fs), quota tree %(treePath) has reached the hard quota limit. Users can no longer write to the quota tree unless this issue is addressed.	The hard quota for the quota tree specified in the error message has been reached and all further write operations for the quota tree will fail. Users must delete unwanted files or directories in the quota tree, reducing the percentage of used space. Alternatively, the administrator may increase the hard quota limit for the quota tree.	The hard quota limit has been reached or exceeded for the quota tree specified in the error message. All further write operations for the quota tree will fail.	KB # 000129754
0x01300604	MINOR	TRUE		Total space usage for file system %(fs), quota tree %(treePath) has exceeded the preferred (soft quota) limit %(softViolations) times. First violation %(firstViolation), most recent violation %(lastViolation).	Too much space has been consumed on the specified quota tree. You should delete unwanted files and directories from the quota tree. Alternatively, the administrator can increase the soft quota limit for the quota tree.	Soft quota has been crossed multiple times for the specified tree in the error message.	
0x01300605	MAJOR	TRUE		Total space usage for file system %(fs), quota tree %(treePath) has exceeded the preferred (soft quota) limit, grace period, and hard quota limit. Soft quota limit crossed %(softViolations) times, grace period expired %(softGraceExpiredViolations) times, hard quota limits reached %(hardViolations) times. Users can no longer write to the quota tree unless this issue is addressed. First	Too much space has been consumed on the specified quota tree. Users must delete unwanted files or directories in the quota tree, reducing the percentage of used space. Alternatively, the administrator may increase the hard quota limits for the quota tree.	Hard quota limits have been reached multiple times for the specified tree in the error message. If usage still exceeds quota limits, then all further write operations for the specified tree will fail.	KB # 000129754

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				violation %(firstViolation), most recent violation %(lastViolation).			
0x01300606	INFO			User has released disk space. Quota tree block usage no longer exceeds soft quota limit (fs %(mountPoint), quota tree %(treePath) , ID:%(quotaId)).			
0x01300607	INFO			Administrator increased disk space. Quota tree block usage no longer exceeds soft quota limit (fs %(mountPoint), quota tree ID:%(treeQuotaId), ID:%(quotaId)).			
0x01300701	MINOR	TRUE		Space usage by user %(userName) in file system %(fs) has exceeded the preferred (soft quota) limit.	The soft quota for the user in the file system specified in the error message has been crossed. The user must delete unwanted files or directories, reducing the percentage of used space. Alternatively, the administrator may increase the block soft quota limit for the affected user.	The soft quota limit has been crossed for the user in the file system specified in the error message.	
0x01300702	MAJOR	TRUE		Space usage by user %(userName) in file system %(fs) has exceeded the preferred (soft quota) limit, and the grace period has expired. The user can no longer write to the file system unless this issue is addressed.	The soft quota for the user in the file system specified in the error message has been crossed and the grace period has expired. All further write operations for the specified user will fail. The user must delete unwanted files or directories, reducing the percentage of used space. Alternatively, the administrator may increase the block soft quota limit for the affected user.	The soft quota limit has been crossed and the grace period has expired for the user in the file system specified in the error message. All further write operations for the specified user will fail.	KB # 000128571
0x01300703	MAJOR	TRUE		Space usage by user %(userName) in file system %(fs) has reached the hard quota limit. The user can no longer write to the file	The hard quota for the user in the file system specified in the error message has been reached. All further write operations for this user will fail. The user must delete unwanted files or directories, reducing the percentage of used	The hard quota limit has been reached or exceeded for user in the file system specified in the error message. All further write	KB # 000128571

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				system unless this issue is addressed.	space. Alternatively, the administrator may increase the hard quota limit for the affected user.	operations for the specified user will fail.	
0x01300704	MINOR	TRUE		Space usage by user %(userName) in file system %(fs), quota tree %(treePath) has exceeded the preferred (soft quota) limit.	The soft quota for the user in the quota tree specified in the error message has been crossed. The user must delete unwanted files or directories in the quota tree, reducing the percentage of used space. Alternatively, the administrator may increase the block soft quota limit for the user in the specified quota tree.	The soft quota limit has been crossed for the user in the quota tree specified in the error message.	
0x01300705	MAJOR	TRUE		Space usage by user %(userName) in file system %(fs), quota tree %(treePath) has exceeded the preferred (soft quota) limit, and the grace period has expired. The user can no longer write to the quota tree unless this issue is addressed.	You have used too much space in the specified quota tree and will no longer be able to write to it unless you delete unwanted files and directories to reduce the percentage of used space. Alternatively, the administrator can increase your soft quota limit for that quota tree.	The block soft quota limit has been crossed and the grace period has expired for the user in the quota tree specified in the error message. All further write operations for the specified user in the quota tree will fail.	KB # 000128571
0x01300706	MAJOR	TRUE		Space usage by user %(userName) in file system %(fs), quota tree %(treePath) has reached the hard quota limit. The user can no longer write to the quota tree unless this issue is addressed.	The user must delete unwanted files or directories in the quota tree, reducing the percentage of used space. Alternatively, the administrator may increase the block hard quota limit for the user in the specified quota tree.	The hard quota limit has been reached for the user and quota tree specified in the error message. All further write operations in the quota tree for this user will fail.	KB # 000128571
0x01300707	MINOR	TRUE		Space usage by user %(user) in file system %(fs) has exceeded the preferred (soft quota) limit %(softViolations) times. First violation %(firstViolation), most recent violation %(lastViolation).	The specified user must delete unwanted files or directories, reducing the percentage of used space. Alternatively, the administrator can increase the soft quota limit for the user.	Soft quota has been crossed multiple times for the specified user in the error message.	
0x01300708	MAJOR	TRUE		Space usage by user %(user) in file	You have used too much space in the specified file system and will no	Soft and hard quota limits have been	KB # 000128571

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				system %(fs) has exceeded the preferred (soft quota) limit, grace period, and hard quota limit. Soft quota limit exceeded %(softViolations) times, grace period expired %(softGraceExpiredViolations) times, hard quota limits reached %(hardViolations) times. First violation %(firstViolation), most recent violation %(lastViolation).	longer be able to write to the file system unless you delete unwanted files and directories from it. Alternatively, the administrator can increase your quota limits for the file system.	reached or exceeded multiple times for the specified user in the error message. If usage still exceeds quota limits, then all further write operations for the specified user will fail.	
0x01300709	MINOR	TRUE		Space usage by user %(user) in file system %(fs), quota tree %(treePath) has exceeded the preferred (soft quota) limit %(softViolations) times. First violation %(firstViolation), most recent violation %(lastViolation).	The soft quota for the user in the quota tree specified in the error message has been crossed. The user must delete unwanted files or directories in the quota tree, reducing the percentage of used space. Alternatively, the administrator may increase the soft quota limit for the affected user in the quota tree.	The soft quota limit has been crossed multiple times for the tree and user identified in the brief description.	
0x0130070A	MAJOR	TRUE		Space usage by user %(user) in file system %(fs), quota tree %(treePath) has exceeded the preferred (soft quota) limit, grace period, and hard quota limit. Soft quota limit crossed %(softViolations) times, grace period expired %(softGraceExpiredViolations) times, hard quota limits reached %(hardViolations) times. First violation %(firstViolation), most recent violation %(lastViolation).	The specified user must delete unwanted files or directories in the quota tree, reducing the percentage of used space. Alternatively, the administrator may increase the block hard quota limit for user in the quota tree.	Soft and hard quota limits have been reached or exceeded multiple times for the specified user and tree in the error message. If usage still exceeds quota limits, then all further write operations for the specified user in this tree will fail.	KB # 000128571

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0130070B	INFO			User %(userName) released disk space. Block user quota no longer exceeded (fs %(mountPoint), %(quotaId)).			
0x0130070C	INFO			Administrator increased disk space. Block user quota no longer exceeded for %(userName) (fs %(mountPoint), %(quotaId)).			
0x0130070D	MAJOR	TRUE		Tree quota creation in filesystem %(fs) on path %(treePath) failed because a hard link (inode number: %(inum)) was found. Delete the hard links and try again.	Hard link is not supported in tree quota. To create tree quota on the directory, please: 1) Find all the hard links in dirctory and delete them. 2) Create tree quota again.	The create tree quota operation failed because a hard link was found in the current tree quota path. Hard links are not supported for tree quotas. Delete the hard links and try creating the tree quota again.	
0x0130070E	MINOR	TRUE		The system could not create a quota for file system %(fs) in path %(treePath).	Please retry the operation.	The system could not create a quota for a file system.	
0x01300801	MINOR	TRUE		File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) is low on free space.	Provision additional storage to the file system, or increase its size.	The file system is running low on free space. New data writes and file creations may start failing.	
0x01300802	INFO			File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) free space is normal.			
0x01300803	MAJOR	TRUE		File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) is running out of space.	Provision additional storage to the storage resource, or balance data usage with other storage resources on the system.	New data writes and file creations may start failing. The file system is running out of space.	
0x01300804	INFO			File system %(fsname) in NAS server %(vdmname)			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				(fsid %(fsid)) space usage is high.			
0x01300805	INFO			File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) space usage notification.			
0x01300806	MINOR			File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) space usage notification.	Monitor space usage of this file system.	The file system space usage have to be noticed.	
0x01300807	MINOR			File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) space usage is high.	Monitor space usage of this file system, and plan to provision additional storage or start balancing data with other storage resources on the system.	The file system space usage is high.	
0x01300808	MINOR			File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) free space is normal.		The file system has adequate free space.	
0x01300901	INFO			File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) is operating normally.			
0x01300902	CRITICAL	TRUE	TRUE	File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) is offline due to receiving an I/O error.	Contact your service provider.	The file system has received an I/O error and is unmounted. There may be a problem with the storage device.	KB # 000129749
0x01300903	CRITICAL	TRUE	TRUE	File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) is offline after discovering corruption.	Contact your service provider.	The file system has discovered internal corruption and is unmounted.	KB # 000129749
0x01300904	MAJOR	TRUE		File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) has been taken offline for service.	Complete the planned service procedure and remount the FS using 'svc_recover -action mount'.	The file system has been taken offline for service.	KB # 000129749
0x01300905	MAJOR	TRUE		File system %(fsname) in NAS server %(vdmname)	Remount the FS using 'svc_recover -action mount'	The file system has completed recovery	KB # 000129749

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				(fsid %(fsid)) has completed recovery and is waiting to be remounted.		and is waiting to be remounted.	
0x01300906	CRITICAL	TRUE	TRUE	Recovery failed on file system %(fsname) in NAS server %(vdmname) (fsid %(fsid).	Contact your service provider.	Recovery failed on the file system, manual intervention is likely needed.	KB # 000129749
0x01300907	CRITICAL	TRUE		File system %(fsname) in NAS server %(vdmname) failed creation but could not cleanup the object completely. The object is not usable and can only be deleted.	Attempt to delete the file system object at a later time.	The file system create has failed, the object is not usable.	
0x01300908	CRITICAL	TRUE		Snap %(fsname) in NAS server %(vdmname) failed creation but could not cleanup the object completely. The object is not usable and can only be deleted.	Attempt to delete the snap object at a later time.	The snap create has failed, the object is not usable.	
0x01300909	CRITICAL	TRUE		Clone %(fsname) in NAS server %(vdmname) failed creation but could not cleanup the object completely. The object is not usable and can only be deleted.	Attempt to delete resulting file system object at a later time.	The clone create has failed, the object is not usable.	
0x0130090A	CRITICAL	TRUE		File system %(fsname) in NAS server %(vdmname) partially failed delete. The object is likely no longer fully usable and can only be deleted.	Attempt to delete the file system object again at a later time.	The file system delete has partially failed, the object is not usable.	
0x0130090B	MAJOR	TRUE		Snap %(fsname) in NAS server %(vdmname) partially failed delete. The object is likely no longer fully usable and can only be deleted.	Attempt to delete the snap object again at a later time.	The snap delete has partially failed, the object is not usable.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0130090C	CRITICAL	TRUE	TRUE	File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) is offline due to related storage device unavailability.	Another attempts to mount the same file system will continue in background. In case the issue persists - contact your service provider.	The file system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) could not be mounted. There may be a problem with the related storage device discovery.	
0x01300A01	CRITICAL	TRUE		Recovery is recommended on file system %(fsname) in NAS server %(vdmname) (fsid %(fsid).	Contact your service provider.	The file system's backing storage LUN has reported a potential impact; recovery is recommended on the FS.	KB # 000179600
0x01300A02	INFO			File system %(fsname) in NAS server %(vdmname) (fsid %(fsid)) has no suspected impacts from its storage device.			
0x01300B01	MINOR			The virus checker is running normally.	No action is required.	The virus checker is in or has returned to a normal state.	
0x01300B02	MAJOR	TRUE		No virus checker server is available for NAS server %(nasServer).	Make sure the virus checker servers are online.	Virus checking is not operational for NAS server %(nasServer) until a virus checker server becomes available.	KB # 000133143
0x01300B03	MAJOR	TRUE		One or more virus checker servers are currently unavailable.		One or more virus checker servers are currently unavailable.	KB # 000133143
0x01300C01	CRITICAL	TRUE		NAS server %(vdmname) is down.	Contact your service provider in case the NAS server will not be up in a near future.	NAS server %(vdmname) doesn't provide service on any of NAS cluster nodes.	KB # 000179601
0x01300C02	MAJOR	TRUE		NAS server %(vdmname) is running but the fault tolerance is degraded.	Contact your service provider in case the NAS server will not become fault tolerant in a near future.	NAS server %(vdmname) is serving, but its fault tolerance is degraded. The service might be	KB # 000179601

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						disrupted in case of unexpected failure.	
0x01300C03	MINOR	TRUE		NAS server %(vdmname) service fault tolerance is degraded due to a maintenance procedure on a peer NAS cluster node.	No actions required. Once the procedure is finished fault tolerance should be restored automatically. Contact your service provider in case the NAS server will not become fault tolerant in a near future after the maintenance window.	NAS server %(vdmname) service fault tolerance is degraded due to a maintenance procedure (either Upgrade, planned maintenance or recovery) on a peer NAS cluster node.	
0x01300C04	INFO			NAS server %(vdmname) is now fault tolerant.			
0x01300C05	CRITICAL	TRUE		NAS server %(vdmname) is in maintenance mode.	Contact your service provider.	NAS server %(vdmname) is in maintenance mode for recovery.	KB # 000179601
0x01300C06	MAJOR	TRUE		NAS server %(vdmname) is down due to stopped service.		NAS server %(vdmname) is stopped because administrator has requested to stop all data services on the NAS cluster.	
0x01300C07	MINOR	TRUE		The NAS server %(vdmname) is restarting	N/A	The NAS server %(vdmname) is restarting	
0x01300C08	MINOR	TRUE		NAS server %(vdmname) service might be briefly interrupted due to a currently running management operation.		NAS server %(vdmname) service might be interrupted due to the fact that NAS server is being moved between NAS Cluster nodes.	
0x01300C09	CRITICAL	TRUE		The NAS server %(vdmname) is in an unrecoverable state after its deletion that have failed.	Contact your service provider.	Deletion of the NAS server failed, some resouces are left in the system, manual intervention is likely needed.	
0x01300C0A	INFO			NAS server %(vdmname) is up and running.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01300D01	MAJOR	TRUE		NAS node %(node) is temporarily down.	Contact your service provider in case the failed node will not be recovered in a near future.	NAS node %(node) is temporarily down, but should be back up shortly.	KB # 000179602
0x01300D02	MINOR	TRUE		NAS node %(node) is down as part of NAS cluster upgrade.		NAS node %(node) is down as part of NAS cluster upgrade.	
0x01300D03	CRITICAL	TRUE		NAS node %(node) is down and its automatic recovery has failed. The node may be rebooting, or the node is not healthy and unable to serve NAS I/O.	If this alert does not clear within 30 minutes, contact your service provider for assistance.	The system is running in a degraded state, and NAS I/O is not highly available.	KB # 000129478
0x01300D04	INFO			NAS node %(node) is up.			
0x01300D05	MINOR	TRUE		NAS Node %(node) is down and automatic node recovery is disabled.		NAS Node %(node) is down and will not be recovered due to disabled state of automatic node recovery.	
0x01300D06	MINOR	TRUE		NAS node %(node) is down while it is temporary disabled.		NAS node %(node) is down while it is temporary disabled.	
0x01300E02	INFO			File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) free space is normal.			
0x01300E03	MINOR	TRUE		File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) is running out of space.	Provision additional storage to the storage resource, or balance data usage with other storage resources on the system.	The snap is running out of space.	
0x01300E04	INFO			File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) space usage is high.			
0x01300E05	INFO			File system snapshot %(fsname) in			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				NAS server %(vdmname) (fsid %(fsid)) space usage notification.			
0x01300E06	MINOR			File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) space usage is high.	Monitor space usage of this snap, and plan to provision additional storage or start balancing data with other storage resources on the system.	The snap space usage is high.	
0x01300E07	MINOR			File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) space usage notification.	Monitor space usage of this snap.	The snap space usage have to be noticed.	
0x01300E08	MINOR			File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) free space is normal.		The snap has adequate free space.	
0x01300F01	INFO			File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) is operating normally.			
0x01300F02	CRITICAL	TRUE	TRUE	File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) is offline due to receiving an I/O error.	Contact your service provider.	The snap has received an I/O error and is unmounted. There may be a problem with the storage device.	KB # 000131175
0x01300F03	CRITICAL	TRUE	TRUE	File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) is offline after discovering corruption.	Contact your service provider.	The snap has discovered internal corruption and is unmounted.	KB # 000131175
0x01300F04	MAJOR	TRUE		File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) has been taken offline for service.	Complete the planned service procedure and remount the snap using 'svc_recover -action mount'.	The snap has been taken offline for service.	KB # 000131175

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01300F05	MAJOR	TRUE		File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) has completed recovery and is waiting to be remounted.	Remount the snap with 'svc_recover -action mount'	The snap has completed recovery and is waiting to be remounted.	KB # 000131175
0x01300F06	CRITICAL	TRUE	TRUE	Recovery failed on file system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid).	Contact your service provider.	Recovery failed on the snap, manual intervention is likely needed.	KB # 000131175
0x01300F07	CRITICAL	TRUE	TRUE	File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) is offline due to related storage device unavailability.	Another attempts to mount the same file system snap will continue in background. In case the issue persists - contact your service provider.	The file system snap %(fsname) in NAS server %(vdmname) (fsid %(fsid)) could not be mounted. There may be a problem with the related storage device discovery.	
0x01301001	CRITICAL	TRUE		Recovery is recommended on file system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)).	Contact your service provider.	The snap's backing storage LUN has reported a potential impact; recovery is recommended on the snap.	KB # 000179603
0x01301002	INFO			File system snapshot %(fsname) in NAS server %(vdmname) (fsid %(fsid)) storage device data integrity is OK.			
0x01301101	MINOR	TRUE		The %(fsname) file system in NAS server %(vdmname) (fsid %(fsid)) is low on free space.	Contact your service provider.	The file system is running low on free space. Creations and modifications of node objects may start failing.	
0x01301102	INFO			The %(fsname) file system in NAS server %(vdmname)			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				(fsid %(fsid)) free space is normal.			
0x01301201	INFO			The %(fsname) file system in NAS server %(vdmname) (fsid %(fsid)) is operating normally.			
0x01301202	CRITICAL	TRUE	TRUE	The %(fsname) file system in NAS server %(vdmname) (fsid %(fsid)) is offline due to receiving an I/O error.	Please contact support.	The file system has received an I/O error and is unmounted. There may be a problem with the storage device.	KB # 000129478
0x01301203	CRITICAL	TRUE	TRUE	The %(fsname) file system in NAS server %(vdmname) (fsid %(fsid)) is offline after discovering corruption.	Contact your service provider.	The file system has discovered internal corruption and is unmounted. The NAS server is offline.	KB # 000129478
0x01301204	MAJOR	TRUE		The %(fsname) file system in NAS server %(vdmname) (fsid %(fsid)) has been taken offline for service.	Complete the planned service procedure and remount the FS with 'svc_recover -action mount' service command.	The file system has been taken offline for service.	KB # 000129478
0x01301205	MAJOR	TRUE		The %(fsname) file system in NAS server %(vdmname) (fsid %(fsid)) has completed recovery and is waiting to be restarted.	Contact your service provider.	The file system has completed recovery and is waiting to be restarted.	KB # 000129478
0x01301206	CRITICAL	TRUE	TRUE	Recovery failed on the %(fsname) file system in NAS server %(vdmname) (fsid %(fsid).	Contact your service provider.	Recovery failed on the file system, manual intervention is likely needed.	KB # 000129478
0x01301301	CRITICAL	TRUE		Recovery is recommended on the %(fsname) file system in NAS server %(vdmname) (fsid %(fsid)).	Run recovery on the FS with 'svc_recover -action recover' and remount it with 'svc_recover -action mount'.	The file system's backing storage LUN has reported a potential impact; recovery is recommended on the FS.	KB # 000179604
0x01301302	INFO			The %(fsname) file system in NAS server %(vdmname) (fsid %(fsid)) storage			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				device data integrity is OK.			
0x01301401	MINOR	TRUE		The root file system in NAS node %(node) (fsid %(fsid)) is low on free space.	Contact your service provider.	The file system is running low on free space. Creations and modifications of node objects may start failing.	
0x01301402	INFO			The root file system of NAS node %(node) (fsid %(fsid))'s free space is normal.			
0x01301501	CRITICAL	TRUE		Recovery is recommended on the root file system in NAS node %(node) (fsid %(fsid)).	Contact your service provider.	The file system's backing storage LUN has reported a potential impact; recovery is recommended on the FS.	KB # 000179604
0x01301502	INFO			The root file system in NAS node %(node) (fsid %(fsid)) storage device data integrity is OK.			
0x01301601	MINOR	TRUE		The root file system in the NAS cluster object (fsid %(fsid)) is low on free space.	Contact your service provider.	The file system is running low on free space. Creations and modifications of NAS objects may start failing.	
0x01301602	INFO			The root file system of the NAS cluster object (fsid %(fsid))'s free space is normal.			
0x01301701	CRITICAL	TRUE		Recovery is recommended on the root file system in the NAS cluster object (fsid %(fsid)).	Contact your service provider.	The file system's backing storage LUN has reported a potential impact; recovery is recommended on the FS.	KB # 000179604
0x01301702	INFO			The root file system in the NAS cluster object (fsid %(fsid)) storage device data integrity is OK.			
0x01301801	INFO			Import session '%(importSessionName			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				)' (%(importSessionId)) has been created.			
0x01301802	INFO			Import session '%(importSessionName)' (%(importSessionId)) is running initial provisioning.			
0x01301803	INFO			Import session '%(importSessionName)' (%(importSessionId)) is running the initial data copy.			
0x01301804	INFO			Import session '%(importSessionName)' (%(importSessionId)) is continuing the initial data copy.			
0x01301805	INFO			Import session '%(importSessionName)' (%(importSessionId)) is pausing the initial data copy.			
0x01301806	INFO			Import session '%(importSessionName)' (%(importSessionId)) has paused the initial data copy.			
0x01301807	INFO			Import session '%(importSessionName)' (%(importSessionId)) is running the configuration import.			
0x01301808	INFO			Import session '%(importSessionName)' (%(importSessionId)) is repeating the configuration import on demand.			
0x01301809	INFO			Import session '%(importSessionName)' (%(importSessionId)) is ready to cutover.			
0x0130180A	INFO			Import session '%(importSessionName)' (%(importSessionId)) has recovered after an unsuccessful cutover			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				attempt and is ready to cutover again.			
0x0130180B	INFO			Import session '%(importSessionName)' (%(importSessionId)) is performing cutover.			
0x0130180C	INFO			Import session '%(importSessionName)' (%(importSessionId)) is running the incremental data copy.			
0x0130180D	INFO			Import session '%(importSessionName)' (%(importSessionId)) is continuing the incremental data copy.			
0x0130180E	INFO			Import session '%(importSessionName)' (%(importSessionId)) is pausing the incremental data copy.			
0x0130180F	INFO			Import session '%(importSessionName)' (%(importSessionId)) has paused the incremental data copy.			
0x01301810	INFO			Import session '%(importSessionName)' (%(importSessionId)) is ready to commit.			
0x01301811	INFO			Import session '%(importSessionName)' (%(importSessionId)) is being committed.			
0x01301812	INFO			Import session '%(importSessionName)' (%(importSessionId)) has been completed.			
0x01301813	INFO			Import session '%(importSessionName)' (%(importSessionId)) is being canceled.			
0x01301814	INFO			Import session '%(importSessionName)' (%(importSessionId)) has been canceled.			
0x01301815	MAJOR	TRUE		Import session '%(importSessionName	Use Resume action to retry initial provisioning and continue the	Import session '%(importSessionNa	KB # 000197300

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				)' (%(importSessionId)) failed to complete initial provisioning.	import process. The import process can be canceled at any moment using Cancel action.	me)' (%(importSessionId)) has failed to complete the initial provisioning stage. The error occurred while preparing the target NAS server and the source system for the import (error %(errorCode)). The import process is suspended. See the report on the import session for details.	
0x01301816	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to complete the initial data copy.	Use Resume action to retry and continue with the initial data copy for failed file systems. The operation is attempted automatically if possible. The import process can be canceled at any moment using Cancel action.	Import session '%(importSessionName)' (%(importSessionId)) has failed during the initial (baseline) data copy stage. The data transfer may be suspended for some of the file systems (error %(errorCode)). See the report on the import session for details.	KB # 000197300
0x01301817	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to import the configuration.	Use Resume action to retry importing the configuration and continue the process. Skip Failed Step option allows to ignore the failed operation and continue to the next import step if possible. This option can cause an inconsistency in the configuration and even data unavailability after cutover. The import process can be canceled at any moment using Cancel action.	Import session '%(importSessionName)' (%(importSessionId)) has failed during the configuration import stage. The error occurred while retrieving settings from the source system and applying them to the target NAS server (error %(errorCode)). The import process is suspended. See the	KB # 000197300

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						report on the import session for details.	
0x01301818	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to cutover.	Use Cutover action again to retry. Manual intervention may be required to restore the client data access. The import process can be canceled at any moment using Cancel action.	Import session '%(importSessionName)' (%(importSessionId)) has failed during the cutover stage. The error occurred while trying to reconnect clients from the source to the target NAS server (error %(errorCode)). Clients may experience data unavailability. See the report on the import session for details.	KB # 000197300
0x01301819	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to complete the incremental data copy.	Use Resume action to retry and continue with the incremental data copy for failed file systems. The operation is attempted automatically if possible. The import process can be canceled at any moment using Cancel action, although data loss is possible if some recent client writes cannot be mirrored back to the source system.	Import session '%(importSessionName)' (%(importSessionId)) has failed during the incremental data copy stage. The data transfer may be suspended for some of the file systems. Clients may experience data unavailability. See the report on the import session for details.	KB # 000197300
0x0130181A	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to resume the incremental data copy.	Use Resume action to retry and continue with the incremental data copy for failed file systems. The operation is attempted automatically if possible. The import process can be canceled at any moment using Cancel action, although data loss is possible if some recent client writes cannot be mirrored back to the source system.	Import session '%(importSessionName)' (%(importSessionId)) has failed during the incremental data copy stage. The error occurred while trying to resume the data transfer. The transfer may be suspended for some	KB # 000197300

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						of the file systems. Clients may experience data unavailability. See the report on the import session for details.	
0x0130181B	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to complete the incremental data copy. Cannot retrieve file system import status from the target NAS server's node.	Use Resume action to retry and continue with the incremental data copy for failed file systems. The operation is attempted automatically if possible. The import process can be canceled at any moment using Cancel action, although data loss is possible if some recent client writes cannot be mirrored back to the source system.	Import session '%(importSessionName)' (%(importSessionId)) has failed during the incremental data copy stage. The error occurred while trying to retrieve the status from the target NAS server's node. The transfer may be suspended for some of the file systems. Clients may experience data unavailability. See the report on the import session for details.	KB # 000197300
0x0130181C	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to commit.	Use Commit action to attempt a retry. Using Force option ignores errors on the source system. This option can be used only if the incremental copy was completed and the session was ready to commit.	Import session '%(importSessionName)' (%(importSessionId)) has failed during the committing stage. The error occurred while finalizing the import process, stopping data synchronization, and cleaning up the source system (error %(errorCode)). The system state may be inconsistent. See the report on the import session for details.	KB # 000197300

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0130181D	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to cancel.	Use Cancel action to attempt a retry. Using Force option ignores errors on the source system.	Import session '%(importSessionName)' (%(importSessionId)) has failed during the canceling stage. The error occurred while trying to roll back the import process (error %(errorCode)). The system state may be inconsistent. Clients may experience data unavailability. See the report on the import session for details.	KB # 000197300
0x0130181E	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to pause the initial data copy.	Use Pause action to retry or Resume action to continue the initial data copy. The import process can be canceled at any moment using Cancel action.	Import session '%(importSessionName)' (%(importSessionId)) has failed when pausing the initial (baseline) data copy. The state of data transfer may be inconsistent for some of the file systems. Communication with the source system may still produce a load. See the report on the import session for details.	KB # 000197300
0x0130181F	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to pause the incremental data copy.	Use Pause action to retry or Resume action to continue the incremental data copy. The import process can be canceled at any moment using Cancel action, although data loss is possible if some recent client writes cannot be mirrored back to the source system.	Import session '%(importSessionName)' (%(importSessionId)) has failed when pausing the incremental data copy. The state of data transfer may be inconsistent for some of the file systems.	KB # 000197300

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						Communication with the source system may still produce a load. See the report on the import session for details.	
0x01301820	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed due to an internal error.	Try to repeat the last operation. Contact your service provider if the issue persists.	Import session '%(importSessionName)' (%(importSessionId)) has encountered an internal error due to an unexpected failure (error %(errorCode)). The target system state may be inconsistent.	KB # 000197300
0x01301821	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed due to a simulated failure (%(file):%(line)).	Contact your service provider if you see this error.	Import session '%(importSessionName)' (%(importSessionId)) has failed due to a simulated failure at %(file):%(line). Fault injection mechanism caused this error.	KB # 000197300
0x01301822	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed due to a restart of the cluster controller.	Wait until the import session is recovered. Retry the last operation if it is not resumed automatically. The import process can be canceled at any moment using Cancel action.	Import session '%(importSessionName)' (%(importSessionId)) has been interrupted because the cluster controller was restarted on the target system. This may be due to a node failure or an intentional role transfer. The import session will be recovered and resumed once the cluster controller is fully operational.	KB # 000197300
0x01301823	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId))	Check the system health status, ensure that the target NAS server's node is operational and try to	Import session '%(importSessionName)'	KB # 000197300

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				failed to connect to the target NAS server's node.	repeat the last operation. The import process can be canceled at any moment using Cancel action.	(%(importSessionId)) has failed due to unavailability of the target NAS server's node. The system health status may provide more details.	
0x01301824	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to connect to the cluster controller.	Check the system health status, ensure that the cluster controller is operational and try to repeat the last operation. The import process can be canceled at any moment using Cancel action.	Import session '%(importSessionName)' (%(importSessionId)) has failed due to unavailability of the cluster controller on the target system. The system health status may provide more details.	KB # 000197300
0x01301825	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to save changes to the persistent storage.	Check the system health status, ensure that the issues with the storage are resolved and try to repeat the last operation. The import process can be canceled at any moment using Cancel action.	Import session '%(importSessionName)' (%(importSessionId)) has failed when saving changes to the persistent storage on the target system. The import state may be inconsistent. The system health status may provide more details.	KB # 000197300
0x01301826	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to complete the initial data copy. Failed to ping the source system.	Check connection to the source system. Ensure that ICMP traffic is not blocked. Use Resume action to retry and continue with the initial data copy for failed file systems. The operation is attempted automatically if possible. The import process can be canceled at any moment using Cancel action.	Import session '%(importSessionName)' (%(importSessionId)) has failed to proceed with the initial (baseline) data copy from source NAS server '%(sourceNasServerName)'. The error occurred while trying to ping the source system. The data transfer is suspended.	KB # 000197300

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01301827	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to resume the incremental data copy. Failed to ping the source system.	Check connection to the source system. Ensure that ICMP traffic is not blocked. Use Resume action to retry and continue with the incremental data copy for failed file systems. The operation is attempted automatically if possible. The import process can be canceled at any moment using Cancel action, although data loss is possible if some recent client writes cannot be mirrored back to the source system.	Import session '%(importSessionName)' (%(importSessionId)) has failed during the incremental data copy from source NAS server '%(sourceNasServerName)'. The error occurred while trying to ping the source system. The data transfer is suspended. Clients may experience data unavailability.	KB # 000197300
0x01301828	MAJOR	TRUE		Import session '%(importSessionName)' (%(importSessionId)) failed to complete the data copy due to an unrecoverable error.	Cancel this import session and contact your service provider for assistance.	Import session '%(importSessionName)' (%(importSessionId)) has failed during the data copy from source NAS server '%(sourceNasServerName)' due to an unrecoverable error. This import session cannot be resumed. See the report on the import session for details.	KB # 000197300
0x01301901	MAJOR	TRUE		The NFS server of the NAS server %(nasServer) is configured with nfs secure using the SMB configuration, but is currently not registered in SMB AD KDC.	Register the NFS server in the SMB KDC with join rest api call.	In order to work, a NFS server which is configured with nfs secure using the SMB configurqtion must be registered into the KDC of the windows domain. No user can actually connect.	
0x01301902	INFO			The NFS server of the NAS server %(nasServer) is now registered in the SMB KDC.			
0x01301A01	MINOR	TRUE		File system %(fsname) in NAS	Review application settings to match file system allocation size, or	The applications using the file	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				server %(vdmname) I/O patterns do not match the allocation size (%(actualSize) bytes).	consider provisioning a new file system for the existing application using suggested allocation size.	system %(fsname) (fs id %(fsid)) are not doing I/O in the optimal block size for the file system which is %(suggestedSize) bytes.	
0x01301A02	INFO			File system %(fsname) in NAS server %(vdmname) I/O patterns match the allocation size (%(actualSize) bytes).			
0x01301A03	MINOR	TRUE		File system %(fsname) in NAS server %(vdmname) I/O patterns are not aligned with the allocation size (%(actualSize) bytes).	Host I/O patterns are not using 8K multiples. Set the host I/O patterns to match file system allocation size.	The applications using the file system are doing unaligned I/O to the file system.	
0x01301B01	INFO			All the publishing pools of the %(nasServer) NAS server are working properly.			
0x01301B02	MINOR	TRUE		Some of the publishing pools of the %(nasServer) NAS server are not working properly.	Check the NAS server network connectivity. Check NAS server publishing pool and CEPA server configuration.	Events on the affected publishing pools on the %(nasServer) NAS server may not be available for the CEPA server.	KB # 000197301
0x01301B03	MAJOR	TRUE		All the publishing pools of the %(nasServer) NAS server are unavailable.	Check the NAS server network connectivity. Check NAS server publishing pool and CEPA server configuration.	Events on the publishing pools of the %(nasServer) NAS server may not be available for the CEPA server.	KB # 000197301
0x01301C01	CRITICAL	TRUE		The CA cluster certificate cannot be generated: %(errormsg).	Contact your service provider.	The cluster instance cannot generate the CA certificate: %(errormsg). As a consequence, data nodes cannot join the NAS cluster.	
0x01301C02	CRITICAL	TRUE		The node %(node_id) certificate cannot be	Contact your service provider.	The node %(node_id)	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				generated: %(errormsg).		cannot generate his certificate: %(errormsg). As a consequence, the node cannot join the NAS cluster.	
0x01301C03	INFO			The node %(node_id) has successfully generated its certificate.			
0x01301C04	INFO			The cluster CA certificate has been successfully generated.			
0x01301C05	INFO			The cluster CA certificate has been successfully renewed.			
0x01301D01	INFO			The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) is idle.			
0x01301D02	INFO			The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) is pending.			
0x01301D03	INFO			The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) is copying the baseline data from the source system.			
0x01301D04	INFO			The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) is copying data from the source system. Writes to the target system are mirrored back to the source system.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01301D05	INFO			The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) is paused.			
0x01301D06	INFO			The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) is paused, but data synchronization may happen on access. Writes to the target system are still mirrored back to the source system.			
0x01301D07	INFO			The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) has completed copying the baseline data from the source system.			
0x01301D08	INFO			The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) has completed copying data from the source system. Writes to the target system are still mirrored back to the source system.			
0x01301D09	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed due to a general error.	Use Resume action to restart the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) encountered a general error. It is not possible to continue the data copy. Import session '%(importSessionNa	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						me)' (%(importSessionId)).	
0x01301D0A	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because the file system recovery process has modified the target file system.	Use Resume action to restart the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because the file system recovery process has modified the target file system. It is not possible to continue the data copy. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D0B	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed due to an unsuccessful failover recovery.	Use Resume action to restart the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed due to an unsuccessful failover recovery. There was an unsuccessful attempt to restart the import after a failure. It is not possible to continue the data copy. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D0C	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because the data connection to the	Check the network connectivity between the target system and the source system, and resolve potential issues that might prevent establishing a connection. Then, use Resume action to resume the data copy. The operation is attempted automatically if possible.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. The data connection between the source and the	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				source system was terminated.	The import session can be canceled at any moment using Cancel action.	target system was terminated. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D0D	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because DHSM HTTP connection encountered an authentication error.	Check the provided source DHSM username and password. Then, use Resume action to continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. DHSM HTTP connection encountered an authentication error. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D0E	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because DHSM HTTP connection encountered an SSL error.	Check the connectivity between the target system and the source system, and resolve potential issues that might prevent establishing an SSL connection. Then, use Resume action to continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. DHSM HTTP connection encountered an SSL error. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D0F	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because a bad request or response was transferred over the DHSM HTTP connection.	Check the status of the DHSM server on the source system and resolve any issues. Then, use Resume action to retry and continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. A bad request or response was transferred over the DHSM HTTP connection. Import session '%(importSessionName)'	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						(%(importSessionId)).	
0x01301D10	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed due to an I/O error on the target system.	Use Resume action to retry and continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) encountered an I/O error on the target system. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D11	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because a quota of the target file system was exceeded.	Increase the quota of file system '' on the target system. Then, use Resume action to retry and continue the data copy. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. A quota of the file system was exceeded on the target system. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D12	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because there was no free space available on the target file system.	Increase the size of the target file system to avoid the low-on-space health condition. Then, use Resume action to retry and continue the data copy. Extra space may be required on the target file system to complete the import due to metadata differences between the source and the target file systems. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. There was no free space available on the target system. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D13	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because the	Make target file system '' writable. Then, use Resume action to retry and continue the data copy. The Resume action is attempted automatically if possible. The import	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. The file	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				target file system became read-only.	session can be canceled at any moment using Cancel action.	system became read-only on the target system. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D14	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because the target file system became low on space.	Increase the size of the target file system to avoid the low-on-space condition. Then, use Resume action to retry and continue the data copy. Extra space may be required on the target file system to complete the import due to metadata differences between the source and the target file systems. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. The file system on the target system became low on space. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D15	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed due to an I/O error on the source system.	Check the network connectivity between the target system and the source system, and resolve potential issues that might prevent establishing a connection. Then, use Resume action to retry and continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) encountered an I/O error accessing the file system on the source side. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D16	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because a quota of the source file system was exceeded.	Increase the quota of file system '' on the source system. Then, use Resume action to retry and continue the data copy. The Resume action is attempted automatically if possible. Cancelling the import process after Cutover may cause data loss if some recent client writes cannot be mirrored back to the source system.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. A quota of the file system was exceeded on the source system. Write mirroring is required to ensure the data consistency on the	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						source side in case a rollback is performed. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D17	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because there was no free space available on the source file system.	Increase the size of the source file system. Then, use Resume action to retry and continue the data copy. The Resume action is attempted automatically if possible. Cancelling the import process after Cutover may cause data loss if some recent client writes cannot be mirrored back to the source system.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. There was no free space available on the source system. Write mirroring is required to ensure the data consistency on the source side in case a rollback is performed. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D18	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because a file path on the source file system is too long.	Cancel this import session, ensure that file path on source file system " do not exceed 1023 UTF-16 code units, and then create another import session. Alternatively, contact your service provider.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. A file path on the source file system exceeds the permitted length and cannot be imported. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D19	MAJOR	TRUE		The import of file system '%(targetFilesystemName)'	Check the system health status and the report on the import session. Use Resume action to retry and continue the data copy. The	The import of file system '%(targetFilesystemName)'	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				(%(targetFilesystemId)) failed due to an internal error.	Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	(%(targetFilesystem Id)) encountered an internal error. Import session '%(importSessionNa me)' (%(importSessionId)).	
0x01301D1A	MAJOR	TRUE		The import of file system '%(targetFilesystemNa me)' (%(targetFilesystemId)) failed to start.	Check the system health status and the report on the import session. Use Resume action to retry and continue the data copy. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) failed. The error occurred while trying to start the data transfer. Import session '%(importSessionNa me)' (%(importSessionId)).	
0x01301D1B	MAJOR	TRUE		The import of file system '%(targetFilesystemNa me)' (%(targetFilesystemId)) was aborted.	Check the system health status and the report on the import session. Use Resume action to retry the data copy. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) was aborted and has to be started over. Import session '%(importSessionNa me)' (%(importSessionId)).	
0x01301D1C	MAJOR	TRUE		The import of file system '%(targetFilesystemNa me)' (%(targetFilesystemId)) failed to get the status from the target NAS server's node.	Check the system health status and the report on the import session. Use Resume action to retry and continue the data copy. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) failed to get the status from the target NAS server. Import session '%(importSessionNa me)' (%(importSessionId)).	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01301D1D	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because a previous attempt did not complete gracefully.	Use Resume action to resume the data copy. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because a previous attempt to import this file system did not complete gracefully. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D1E	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start due to a DHSM HTTP authentication error.	Check the provided source DHSM username and password. Then, use Resume action to continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start. The DHSM HTTP connection encountered an authentication error. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D1F	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because the DHSM SSL negotiation was unsuccessful.	Check the connectivity between the target system and the source system, ensure that SSL is enabled for DHSM server on the source system, and resolve potential issues that might prevent establishing an SSL connection. Then, use Resume action to resume the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start. SSL negotiation was unsuccessful while establishing a secure DHSM connection. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D20	MAJOR	TRUE		The import of file system	Check the connectivity between the target system and the source	The import of file system	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				'%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because there was a problem sending a DHSM HTTP request.	system, and resolve potential issues. Then, use Resume action to continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	'%(targetFilesystem Name)' (%(targetFilesystem Id)) failed to start. There was a problem sending a DHSM HTTP request. Import session '%(importSessionNa me)' (%(importSessionId)).	
0x01301D21	MAJOR	TRUE		The import of file system '%(targetFilesystemNa me)' (%(targetFilesystemId)) failed to start because the DHSM HTTP client is not available.	Reduce the system load and memory usage on the target system. Then, use Resume action to resume the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) failed to start. The DHSM HTTP client is not available. Import session '%(importSessionNa me)' (%(importSessionId)).	
0x01301D22	MAJOR	TRUE		The import of file system '%(targetFilesystemNa me)' (%(targetFilesystemId)) failed to start because the DHSM HTTP client was not initialized properly.	Verify that the system parameter 'imt.remoteDhsmPort' is set to a nonzero value. Then, use Resume action to retry and continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) failed to start. The DHSM HTTP client was not initialized properly. Import session '%(importSessionNa me)' (%(importSessionId)).	
0x01301D23	MAJOR	TRUE		The import of file system '%(targetFilesystemNa me)' (%(targetFilesystemId)) failed to start because the target file system could not be found.	Check the health status of the target system. Use Resume action to retry and continue the data copy. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) failed to start because the file system could not be	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						found on the target system. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D24	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because the access to the target file system could not be restored.	Check the health status of the target system. Use Resume action to retry and continue the data copy. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start. The access to the file system could not be restored on the target system. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D25	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because the source file system is inaccessible.	Check the network connectivity between the target system and the source system. Ensure that the source file system is accessible to the target system using NFS/SMB file-sharing protocols, depending on the import type. Then, use Resume action to retry and continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start. The source file system is inaccessible from the target system. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D26	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because the source file system could not be queried.	Ensure that the source file system is accessible to the target system using NFS/SMB file-sharing protocols, depending on the import type. Then, use Resume action to retry and continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start. The root file handle of the source file system could not be queried. Import session '%(importSessionNa	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						me)' (%(importSessionId)).	
0x01301D27	MAJOR	TRUE		The import of file system '%(targetFilesystemNa me)' (%(targetFilesystemId)) failed to start because the time difference between the source and the target systems exceeds the limit.	Synchronize the time on the source system and the target system. Then, use Resume action to retry and continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) failed to start. The time difference between the source system and the target system is too significant to continue the import. Import session '%(importSessionNa me)' (%(importSessionId)).	
0x01301D28	MAJOR	TRUE		The import of file system '%(targetFilesystemNa me)' (%(targetFilesystemId)) failed to stop because the data could not be synchronized with the source system.	Check the health status and the availability of the source system. Then, retry the action to continue. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action. Forcing the Cancel action will cause data loss.	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) failed to stop. The file system has dirty files with changes that could not be mirrored to the source system and will be lost if the import is canceled. Import session '%(importSessionNa me)' (%(importSessionId)).	
0x01301D29	MAJOR	TRUE		The import of file system '%(targetFilesystemNa me)' (%(targetFilesystemId)) failed to stop due to an internal error.	Check the system health status and the report on the import session. Then, retry the action to continue. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) failed to stop due to an internal error. Import session '%(importSessionNa me)'	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						(%(importSessionId)).	
0x01301D2A	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to stop because the access to the target file system could not be suspended.	Check the health status of the target system. Then, retry the action to continue. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to stop. The access to the file system could not be suspended on the target system. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D2B	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to stop because the access to the target file system could not be restored.	Check the health status of the target system. Then, retry the action to continue. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to stop. The access to the file system could not be restored on the target system. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D2C	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to stop because the target file system could not be found.	Check the health status of the target system. Then, retry the action to continue. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to stop. The file system could not be found on the target system. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D2D	MAJOR	TRUE		The import of file system	Make target file system '' writable. Then, use Resume action to retry	The import of file system	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				'%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because the target file system became read-only.	and continue the data copy. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	'%(targetFilesystemName)' (%(targetFilesystemId)) failed to start. The file system became read-only on the target system. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D2E	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to stop because the target file system became read-only.	Make target file system '' writable. Then, retry the action to continue. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to stop. The file system became read-only on the target system. Cleaning up the migration database is not possible. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D2F	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because the target file system was low on space.	Increase the size of the target file system to avoid the low-on-space condition. Then, use Resume action to retry and continue the data copy. Extra space may be required on the target file system to complete the import due to metadata differences between the source and the target file systems. The Resume action is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. The file system on the target system was low on space. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D30	MAJOR	TRUE		The import of file system '%(targetFilesystemName)'	Check the health status of the target system. Use Resume action to retry and continue the data copy. The Resume action is attempted	The import of file system '%(targetFilesystem Name)'	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				(%(targetFilesystemId)) failed to start because an error occurred while importing the DHSM connections.	automatically if possible. The import session can be canceled at any moment using Cancel action.	(%(targetFilesystem Id)) failed to start due to an unsuccessful attempt to import the DHSM connections of the file system. Import session '%(importSessionNa me)' (%(importSessionId)).	
0x01301D31	MAJOR	TRUE		The import of file system '%(targetFilesystemNa me)' (%(targetFilesystemId)) failed to start because a bad request or response was transferred over the DHSM HTTP connection.	Check the status of the DHSM server on the source system and resolve any issues. Then, use Resume action to retry and continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) failed to start. A bad request or response was transferred over the DHSM HTTP connection. Import session '%(importSessionNa me)' (%(importSessionId)).	
0x01301D32	MAJOR	TRUE		The import of file system '%(targetFilesystemNa me)' (%(targetFilesystemId)) failed because the target system is low on resources.	Reduce the system load and memory usage on the target system. Then, use Resume action to retry and continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) failed because of excessive load on the target system. Import session '%(importSessionNa me)' (%(importSessionId)).	
0x01301D33	MAJOR	TRUE		The import of file system '%(targetFilesystemNa me)' (%(targetFilesystemId)) failed due to inode space clash.	Cancel this import session using Cancel action. Disable NFS exports on the source NAS server and share the data over SMB only. Then, create a new import session to retry. Alternatively, contact your service provider to disable NFS file	The import of file system '%(targetFilesystem Name)' (%(targetFilesystem Id)) failed due to inode space clash.	KB # 000197300

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
					handle preservation. The cutover will not be transparent, all clients will have to re-mount NFS exports.	The error is unrecoverable, NFS file handles cannot be preserved on the target system. The import process cannot continue. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D34	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because of invalid source export permissions.	Verify that the exports on the source file system are accessible from the target import interface. Then, use Resume action to retry and continue the data copy. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because some exports of the source file system were inaccessible from the target import interface due to invalid permissions. Import session '%(importSessionName)' (%(importSessionId)).	
0x01301D35	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because of invalid source export permissions.	Verify that the exports on the source file system are accessible from the target import interface. Then, use Resume action to retry and continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed to start because some exports of the source file system were inaccessible from the target import interface due to invalid permissions. Import session '%(importSessionName)'	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						(%(importSessionId)).	
0x01301D36	MAJOR	TRUE		The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed because of invalid source export permissions.	Verify that the exports on the source file system are accessible from the target import interface. Then, use Resume action to retry and continue the data copy. The operation is attempted automatically if possible. The import session can be canceled at any moment using Cancel action.	The import of file system '%(targetFilesystemName)' (%(targetFilesystemId)) failed. The failure occurred because some exports of the source file system were inaccessible from the target import interface due to invalid permissions. Import session '%(importSessionName)' (%(importSessionId)).	
0x01302001	INFO			Replication session (id:%(replicationSessionId)) is in Paused state.			
0x01302002	INFO			Replication session (id:%(replicationSessionId)) is in OK state.			
0x01302003	MINOR	TRUE		Replication session (id:%(replicationSessionId)) operation is in progress.		Replication session (id:%(replicationSessionId)) operation is in progress.	
0x01302004	MINOR	TRUE		Replication session (id:%(replicationSessionId)) is in a partially deleted state.	Automatic retry of session delete is attempted. If condition persists, contact your service provider.	Replication session (id:%(replicationSessionId)) is partially deleted.	
0x01302005	MAJOR	TRUE		Replication session (id:%(replicationSessionId)) is in Error state.	Pause and Resume replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning the policy.	One or more file system sessions are in Error state, impacting data protection on the replication sessions.	KB # 000197410
0x01302006	INFO			Replication session (id:%(replicationSessionId)) is in Failed Over state.			
0x01302007	INFO			Replication session (id:%(replicationSessio			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				nId)) is in Failed Over state.			
0x01302008	MINOR	TRUE		Replication session (id:%(replicationSessionId)) is in Partial Paused state.	Retry the Pause operation. If the issue persists, contact your service provider for assistance.	Some of the replication sessions are not paused.	
0x01302009	MINOR	TRUE		Replication session (id:%(replicationSessionId)) is in Partial Failed Over state.	Retry the Failover operation. If the issue persists, contact your service provider for assistance.	One or more replication sessions did not failover.	
0x0130200A	MINOR	TRUE		Replication session (id:%(replicationSessionId)) is in Partial Failed Over state.	Retry the Failover operation. If the issue persists, contact your service provider for assistance.	One or more replication sessions did not failover.	
0x0130200B	MINOR	TRUE		Replication session (id:%(replicationSessionId)) is in Partial Reprotected state.	Retry the reprotect operation. If the issue persists, contact your service provider for assistance.	One or more replication sessions are not reprotected.	
0x0130200C	MINOR	TRUE		Replication session '%(replicationSessionName)' (%(replicationSessionId)) is in PARTIAL_FAILEDBACK state.	Retry the failback operation.	Replication session '%(replicationSessionName)' (%(replicationSessionId)) is in PARTIAL_FAILEDBACK state.	
0x0130200D	INFO			Replication session '%(replicationSessionName)' (%(replicationSessionId)) is in UNKNOWN state.			
0x01302101	INFO			Remote NAS server network configuration is same as local side for replication session (id:%(replicationSessionId))			
0x01302102	MINOR	TRUE		Remote NAS server network configuration is different than local side for replication session (id:%(replicationSessionId)).	Verify NAS file interface configuration on remote NAS server. If required, select override settings of the file interface on remote NAS server.	File interface will not be reachable after failover, unless override settings are specified, and data access may be impacted.	KB # 000201904
0x01302501	MINOR	TRUE		Data services were not enabled for NAS node %(node).	Please modify Data Protection Network(s) configurations to accommodate new NAS node and then enable Data Services for it.	Data services were not enabled for NAS node %(node) because some of	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						the existing Data Protection Networks need to be reconfigured first.	
0x01302502	INFO			Data services for NAS node %(node) do not conflict with its Data Protection Network settings.			
0x01302601	MINOR	TRUE		Automatic node recovery disabled.		Node will not be automatically started if it fails.	
0x01302602	INFO			Automatic node recovery enabled.			
0x01302701	MINOR	TRUE		One or more file system replication sessions were not created for NAS server replication session (id:%(replicationSessionId)).	Update of NAS server replication session will be initiated automatically.	Data protection is impacted for one or more file system sessions.	
0x01302702	INFO			All file system replication sessions are created for NAS server replication session (id:%(replicationSessionId)).			
0x01302801	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) recovery failed and session is inactive.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	KB # 000197410
0x01302802	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) recovery failed and session is inactive.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	KB # 000197410
0x01302803	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) recovery failed and session is inactive.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	KB # 000197410

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01302804	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) recovery failed and session is inactive.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	KB # 000197410
0x01302805	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) recovery failed and session is inactive.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	KB # 000197410
0x01302808	INFO			File system replication session (id:%(fsReplicationSessionId)) paused successfully.			
0x01302809	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) recovery failed and session is inactive.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy. If issue persists, contact your service provider.	Data protection is impacted.	KB # 000197410
0x0130280A	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) transfer failed. Session is inactive.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	
0x0130280B	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) starting transfer failed. Session is inactive.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	
0x0130280C	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)), recovery failed. Session is inactive.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x0130280D	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) failed to start on the destination. Session is inactive.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	
0x0130280E	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) failed to stop on the destination. Session is inactive.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	
0x0130280F	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) is inactive. System could not delete replication session database.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	
0x01302810	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) is inactive. System could not insert or update replication session database.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	
0x01302811	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) is inactive due to database access error.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	
0x01302812	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) is inactive due to database access error.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	
0x01302813	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) is inactive. System could not	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by	Data protection is impacted.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				delete replication session database.	unassigning and reassigning NAS server policy.		
0x01302814	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) recovery failed and session is inactive.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	
0x01302815	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) is inactive. System could not insert or update replication session database.	Pause and Resume NAS server replication session. If the replication session cannot be resumed successfully, delete and recreate the replication session by unassigning and reassigning NAS server policy.	Data protection is impacted.	
0x01302901	MINOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) is out of sync due to a missed RPO.	If the issue recurs, consider updating RPO settings.	Data is not synchronized for this RPO cycle.	KB # 000202993
0x01302902	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) is out of sync due to a missed RPO for multiple consecutive transfer windows.	If the issue recurs, consider updating RPO settings. If the issue persists after updating RPO values, contact your service provider for assistance.	Data transfers are not meeting RPO.	KB # 000197420
0x01302904	MINOR	TRUE		Failed to remount file system ID %(dstFSId) on destination.	Retry the NAS server failover operation. If issue persists, contact your service provider.	File System session failover and access is impacted.	
0x01302905	INFO			File system replication session (id:%(fsReplicationSessionId)) is Paused.			
0x01302906	INFO			File system replication session (id:%(fsReplicationSessionId)) is in sync.			
0x01302A01	MINOR	TRUE		Failed to confirm transfer completion for file system replication session (id:%(fsReplicationSessionId)).	Verify and update the remote system. Resolve any outstanding alerts. If the issue persists, contact your service provider.	Data protection may be impacted.	
0x01302A02	MINOR	TRUE		Failed to start data transfer for file system replication session	Verify and update the remote system. Resolve any outstanding	Data protection is impacted.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				(id:%(fsReplicationSessionId)).	alerts. If the issue persists, contact your service provider.		
0x01302A03	MINOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) failed to start on the destination due to network issues.	Verify and update the remote system. Resolve any outstanding alerts. If the issue persists, contact your service provider.	Data protection is impacted.	
0x01302A04	MINOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) failed to pause on the destination due to network issues.	Verify and update the remote system. Resolve any outstanding alerts. If the issue persists, contact your service provider.	Data protection is impacted.	
0x01302A05	INFO			Transfer completion confirmed for file system replication session (id:%(fsReplicationSessionId)).			
0x01302A06	INFO			Data transfer started for file system replication session (id:%(fsReplicationSessionId)).			
0x01302A07	INFO			File system replication session (id:%(fsReplicationSessionId)) started on destination.			
0x01302A08	INFO			File system replication session (id:%(fsReplicationSessionId)) paused on the destination.			
0x01302A09	INFO			File system replication session (id:%(fsReplicationSessionId)) is paused.			
0x01302B01	MINOR	TRUE		Data connection is down while file system replication session (id:%(fsReplicationSessionId)) is transferring.	Check connectivity with remote system. Verify and Update if required.	Data protection is impacted.	
0x01302B02	MINOR	TRUE		Data connection is down while file system replication session (id:%(fsReplicationSess	Check connectivity with remote system. Verify and Update if required.	Data protection is impacted.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				ionId)) is transferring and retry failed.			
0x01302B03	INFO			File system replication session (id:%(fsReplicationSessionId)) data connection is ok.			
0x01302B04	INFO			Data transfer is currently paused for file system replication session (id:%(fsReplicationSessionId)).			
0x01302C01	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) is unable to transfer data because destination has no space available.	Add additional storage to the destination appliance or move storage resources within the cluster to another appliance.	Data protection is impacted.	KB # 000197421
0x01302C02	INFO			Destination space is available. File system replication session (id:%(fsReplicationSessionId)) will resume the data transfer.			
0x01302D01	MINOR	TRUE		Data transfer is waiting for resource availability for file system replication session (id:%(fsReplicationSessionId)).	No action is required. The data transfer will resume automatically.	Data transfer for the file system replication session is impacted.	
0x01302D02	MINOR	TRUE		Data transfer is paused for file system replication session (id:%(fsReplicationSessionId)).	When synchronization occurs, transfer will automatically resume.	Data transfer for the paused session is impacted.	
0x01302D03	MINOR	TRUE		Data transfer is paused for file system replication session (id:%(fsReplicationSessionId)).	When synchronization occurs, transfer will automatically resume.	Data transfer for the paused session is impacted.	
0x01302D04	MINOR	TRUE		Data transfer is ongoing for file system replication session (id:%(fsReplicationSessionId)).	No action is required.	Replication data protection is not synchronized.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01302D05	INFO			Data transfer is ongoing for file system replication session (id:%(fsReplicationSessionId)).			
0x01302D06	INFO			Data transfer has completed for file system replication session (id:%(fsReplicationSessionId)).			
0x01302D07	INFO			Data transfer is paused for file system replication session (id:%(fsReplicationSessionId)).			
0x01302D09	INFO			The file system replication session (id:%(fsReplicationSessionId)) is Ok.			
0x01302D0A	MINOR	TRUE		Data transfer is paused for file system replication session (id:%(fsReplicationSessionId)) due to NDU.	Wait for the NDU to complete. The data transfer will resume automatically.	Data transfer is paused for replication session during NDU.	
0x01302D0B	MINOR	TRUE		Data transfer failed due to a mismatch in file system size between source and destination for file system replication session (id:%(fsReplicationSessionId)).	Update source file system size to match the destination. Data transfer will resume automatically.	Data transfer will not be performed.	
0x01302E01	INFO			Snap schedule %(schedname) (%(schedoid)) is operating normally.			
0x01302E02	MINOR	TRUE		Snap schedule %(schedname) (%(schedoid)) has errors creating some file system snaps.	Check logs for information as to why the snaps are not being created properly. Contact service provider if issue can not be resolved.	The snap schedule is having problems creating snapshots for some file systems attached to the schedule.	
0x01302E03	MAJOR	TRUE		Snap schedule %(schedname) (%(schedoid)) has errors creating snaps of	Check logs for information as to why the snaps are not being created properly. Contact service provider if issue can not be resolved.	The snap schedule is having problems creating snapshots for all file systems	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				all attached file systems.		attached to the schedule.	
0x01302F01	MINOR	TRUE		NAS server replication session (id:%(replicationSessionId)) is unable to reach the remote NAS node.	Verify File mobility network communication between source and destination NAS nodes.	NAS replication management and data protection may be impacted.	
0x01302F02	INFO			NAS server replication session (id:%(replicationSessionId)) is reachable to the remote NAS node.			
0x01303001	MAJOR	TRUE		Unable to reach remote NAS system '%(remoteSystemName)' (id:%(remoteSystemId)).	NAS replication management is impacted. NAS data protection may be impacted.	Verify that the remote system is running and that there are no network issues. Resolve any issues found.	KB # 000197422
0x01303002	INFO			Remote NAS system '%(remoteSystemName)' (id:%(remoteSystemId)) is reachable.			
0x01303101	MAJOR	TRUE		Replication session (id:%(replicationSessionId)) running on NAS server with (id:%(nasGuid)) is down.	Contact your service provider to recover NAS server.	Data protection is impacted on the NAS server.	KB # 000197423
0x01303102	INFO			Replication session (id:%(replicationSessionId)) running on NAS server with (id:%(nasGuid)) is ok.			
0x01303201	MAJOR	TRUE		File system replication session (id:%(fsReplicationSessionId)) running on NAS server with (id:%(nasGuid)) is down.	Check and resolve any related outstanding alerts. If issue persists, contact your service provider.	Data protection is impacted on the File system.	KB # 000197423
0x01303202	INFO			File system replication session (id:%(fsReplicationSessionId)) running on NAS server with (id:%(nasGuid)) is ok.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01303301	MINOR	TRUE		Failed to start the scheduled data transfer because source file system is offline.	Contact your service provider for assistance.	File system data protection is impacted.	
0x01303302	INFO			File system replication session (id:%(fsReplicationSessionId)) sync request is accepted.			
0x01303303	INFO			File system replication session (id:%(fsReplicationSessionId)) is Paused.			
0x01303401	MAJOR	TRUE		Source scheduler failed to expand on destination	Add additional backend storage on destination. The destination will be expanded in subsequent RPO cycle after fixing the issue.	The system could not expand on destination as backend is out of space.	
0x01303402	INFO			File system replication session (id:%(fsReplicationSessionId)) destination expansion ok.			
0x01303403	INFO			File system replication session (id:%(fsReplicationSessionId)) is paused.			
0x01303501	INFO			NAS server is no longer in maintenance mode for replication session (id:%(replicationSessionId)).			
0x01303502	MAJOR	TRUE		NAS server is in maintenance mode for replication session (id:%(replicationSessionId)).	Contact your service provider for assistance.	NAS server and data protection are not available.	KB # 000197424
0x01303601	INFO			The NAS node %(node) is able to contact the storage server %(ip).			
0x01303602	MAJOR	TRUE		The NAS node %(node) is unable to contact the storage server %(ip).	Verify that the network infrastructure which routes the traffic between the node system interface and the storage server is functionning properly.	The network connectivity between the NAS node %(node) and the storage server %(ip) is in failure.	

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01303701	INFO			Cluster data service state is enabled.			
0x01303702	INFO			Cluster data service state is disabled.			
0x01303703	MAJOR	TRUE		Cluster data service state enabled but automatic recovery is disabled.	Enable data service recovery after all issues are resolved.	Cluster data service state is enabled but automatic NAS server recovery is disabled for service procedure. NAS servers which go completely down will not be recovered automatically to prevent rolling panic.	
0x01303704	MAJOR	TRUE		Cluster is in state when block storage reports potential data loss for all user NAS servers.	After recovery is complete clear the cluster-wide flag which enables data loss verification.	Restore from data loss procedure is in progress. Data service is enabled cluster-wide but all user NAS servers reports potential data loss on mount.	
0x01303804	INFO			The unifiedNamespace '%(unifiedNamespace)' does not require SMB access due to its type.			
0x01303805	INFO			The unifiedNamespace '%(unifiedNamespace)' SMB access is configured properly.			
0x01303806	MAJOR	TRUE		The unifiedNamespace '%(unifiedNamespace)' SMB access can not be configured without an SMB server.	Create an SMB server and then issue a restoreAccess action on the namespace.	The unifiedNamespace '%(unifiedNamespace)' SMB access can not be properly configured without an SMB server.	
0x01303807	MAJOR	TRUE		The unifiedNamespace '%(unifiedNamespace)' SMB access is not properly configured.	Issue a restoreAccess action on the namespace.	The unifiedNamespace '%(unifiedNamespace)' SMB access is not properly configured. The SMB	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						share %(share) was not found.	
0x01303808	MAJOR	TRUE		The unifiedNamespace '%(unifiedNamespace)' SMB access is not properly configured.	Issue a restoreAccess action on the namespace.	The unifiedNamespace '%(unifiedNamespace)' SMB access is not properly configured. The SMB share %(share) was found but it is not dfsEnabled.	
0x01303909	INFO			The unifiedNamespace '%(unifiedNamespace)' does not require NFS access due to its type.			
0x0130390A	INFO			The unifiedNamespace '%(unifiedNamespace)' NFS access is configured properly.			
0x0130390B	MAJOR	TRUE		The unifiedNamespace '%(unifiedNamespace)' NFS access can not be configured without an NFS server.	Create an NFS server with NFSv4 enabled and then issue a restoreAccess action on the namespace.	The unifiedNamespace '%(unifiedNamespace)' NFS access can not be properly configured without an NFS server.	
0x0130390C	MAJOR	TRUE		The unifiedNamespace '%(unifiedNamespace)' NFS access can not be configured without NFSv4 support.	Modify the NFS server on this nasServer to enable NFSv4.	The unifiedNamespace '%(unifiedNamespace)' NFS access can not be properly configured without NFSv4 support on the NFS server.	
0x0130390D	MAJOR	TRUE		The unifiedNamespace '%(unifiedNamespace)' NFS access is not properly configured.	Issue a restoreAccess action on the namespace.	The unifiedNamespace '%(unifiedNamespace)' NFS access is not properly configured. The NFS export %(nfsExport) was not found.	
0x01303A01	MAJOR	TRUE		One or more namespaces couldn't be read from unifiedNamespace DB.	Use svc_uns checkDBStructure tool for further information.	One or more namespaces couldn't be read from	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						unifiedNamespace DB on filesystem '%(fsName)' in NAS server '%(vdmName)'.	
0x01303A02	INFO			The unifiedNamespace DB is restored on filesystem '%(fsName)'.			
0x01303B01	MAJOR	TRUE		The unifiedNamespace '%(unifiedNamespace)' path is not valid.	Use svc_uns tool for further information.	The unifiedNamespace '%(unifiedNamespace)' path '%(path)' saved in the namespace metadata was not found or can't be opened.	
0x01303B02	MINOR	TRUE		The namespace %(unifiedNamespace) is not activated namespace clone.	Use REST API activate /instances/unifiedNamespace/{id}/action/activateClone to activate the namespace.	The namespace %(unifiedNamespace) is detected as not activated namespace clone and it is not functional.	
0x01303B03	MAJOR	TRUE		The namespace %(unifiedNamespace) load failed.	Use svc_uns tool for further information.	The namespace %(unifiedNamespace) load failed.	
0x01303B04	MAJOR	TRUE		The namespace %(unifiedNamespace) links load failed.	Use svc_uns tool for further information.	The namespace %(unifiedNamespace) links load failed. The link(s) metadata can be corrupted or the link(s) path can't be opened.	
0x01303B05	INFO			Namespace %(unifiedNamespace) was loaded successfully.			
0x01303C01	MAJOR	TRUE		The SQL cache has been disabled due to DB internal issue.	Check the Filesystem or the LUN hosting the SQL database using svc_recover service command.	The SQL cache is disabled due to internal issue. The REST-API server is working now in degraded mode, filtering and paging are unavailable,	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						slow response could be expected.	
0x01303C02	INFO			The SQL cache is now working properly.			
0x01303D01	INFO			Snap schedule %(schedname e) (%(schedoid)) is operating normally.			
0x01303D02	MINOR	TRUE		Snap schedule %(schedname e) (%(schedoid)) had to delay creating a new set of snaps because it had not yet completed creating the previous set of snaps.	Check logs for information as to why the snaps were not being created in a timely manner. Contact service provider if issue can not be resolved.	The snap schedule had to delay creating a new set of snaps because it had not yet completed creating the previous set of snaps.	
0x01303E01	CRITICAL	TRUE		The lockbox file cannot be opened: %(errormsg)	N/A	The lockbox file containing all the credentials, including the passwords, cannot be opened. So this node cannot communicate anymore with storage backend and infrastructure server.	
0x01303E02	MAJOR	TRUE		The lockbox file contains some invalid entries.	N/A	The lockbox file containing all the credentials, including the passwords, contains one or several incorrect entries. Depending of these entries, some features, including the connection to the storage backend or infrastructure server, are impacted.	
0x01303E03	INFO			The lockbox file has been opened successfully.			
0x01303F04	CRITICAL	TRUE		The lockbox file for node %(node_id)	N/A	The lockbox file for node %(node_id)	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				cannot be opened: %(errormsg)		containing all the credentials, including the passwords, cannot be opened. So this node cannot communicate anymore with storage backend and infrastructure server.	
0x01303F05	MAJOR	TRUE		The lockbox file for node %(node_id) contains some invalid entries.	N/A	The lockbox file for node %(node_id) containing all the credentials, including the passwords, contains one or several incorrect entries. Depending of these entries, some features, including the connection to the storage backend or infrastructure server, are impacted.	
0x01303F06	INFO			The lockbox file for node %(node_id) has been opened successfully.			
0x01304001	MAJOR	TRUE		The configuration filesystem snap refresh on the NAS server %(vdmname) has failed with the following error %(error).	The refresh snap issue must first be fixed. If the problem happened during a switchover, you must complete it with svc_dataprotection service command from the former source side: - svc_dataprotection nasServer -vdmoid xxxx -action switchoversession -fsoid xxxx for each user file system replication switchoversession - svc_dataprotection nasServer - vdmoid xxxx -action switchtodestinationmode to start the NAS server in destination mode	While starting the NAS server in destination mode, the refresh of the configuration filesystem snap has failed. This may be due to an issue with the configuration filesystem which might be corrupted. If the NAS server is still up in non production mode, the configuration information might be stale.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01304002	INFO			The configuration filesystem snap refresh on the NAS server %(vdmname) is healthy.			
0x01304101	INFO			The file interface configuration on the NAS server %(vdmname) is healthy.			
0x01304102	MAJOR	TRUE		One or more file interfaces on the NAS server %(vdmname) are in failure.	Get the file interfaces list for the NAS server and modify their configuration accordingly to the network environment.	One or more file interfaces on the NAS server %(vdmname) are wrongly configured.	
0x01304103	MAJOR	TRUE		All file interfaces on the NAS server %(vdmname) are in failure.	Get the file interfaces list for the NAS server and modify their configuration accordingly to the network environment.	All file interfaces on the NAS server %(vdmname) are wrongly configured.	
0x01304201	MINOR	TRUE		Storage server management modify operations are temporarily disabled by service provider request.		Storage server management modify operations are temporarily disabled by service provider request. Storage provisioning or modification operations are not available at the moment.	
0x01304202	INFO			Storage server management modify operations are now enabled.			
0x01304301	MINOR	TRUE		Replication session for GLIDER filesystem(s) were not created for NAS server replication session '%(replicationSessionName).Replication of GLIDER filesystem is not supported with current release of the product.	No action required as it is not possible to replicate GLIDER filesystems with current release.	Replication session for GLIDER filesystem(s) were not created for NAS server replication session '%(replicationSessionName)' (%(replicationSessionId)).Replication of GLIDER filesystem is not supported	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						with current release of the product.	
0x01304302	INFO			No Glider FS as part of replication session.All FS replication sessions created for NAS server replication session '%(replicationSessionName)'.			
0x01304401	MINOR	TRUE		All filesystem replication sessions disabled initial sync for NAS server replication session '%(replicationSessionName)'.	Please set scheduler enabled through replication modify action.	All filesystem replication sessions disabled initial sync for NAS server replication session '%(replicationSessionName)' (%(replicationSessionId)).	
0x01304402	INFO			All filesystem replication sessions enabled initial sync for NAS server replication session '%(replicationSessionName)'.			
0x01304501	CRITICAL	TRUE		The node %(node_id) certificate cannot be generated: %(errormsg).	Contact your service provider.	The node %(node_id) cannot generate its certificate: %(errormsg). As a consequence, the node cannot join the NAS cluster.	KB # 000221336
0x01304502	INFO			The node %(node_id) has successfully generated its certificate.			
0x01304503	INFO			The node certificate has been successfully renewed.			
0x01304504	MAJOR	TRUE	TRUE	Failed to auto-renew the NAS node certificate: %(errorMsg). The certificate will expire on %(end_date).	Resolve any open alerts. Certificate can be manually renewed using the NAS service script 'svc_cluster -security -renew'. Contact your service provider for assistance or if the issue persists.	NAS functionality is impaired if the NAS node certificate expires. It impacts the management of the node.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01304505	CRITICAL	TRUE	TRUE	The NAS node certificate has expired on %(end_date).	Certificate must be renewed. It can be done manually using the NAS service script 'svc_cluster -security -renew', or contact your service provider for assistance.	NAS node management is impacted.	
0x01304601	INFO			All the certificates of the cluster have been validated successfully.			
0x01304602	MINOR	TRUE		The %(certName) installed on NAS server %(vdmName) expires %(expireIn).	This certificate needs to be renewed as soon as possible.	In the NAS server %(vdmName), the %(certName) expire %(expireIn), Its end date is %(end_date). After this date, the management of the array is impacted.	KB # 000221336
0x01304603	CRITICAL	TRUE		The %(certName) installed on NAS server %(vdmName) has expired.	This certificate needs to be renewed without delay. If it is an NAS certificate, run the svc_cluster service script to renew the certificates.	In the NAS server %(vdmName), the %(certName) has expired on %(end_date). Some TLS management connections secured by this certificate fail now.	KB # 000221336
0x01304701	INFO			The NAS %(certName) certificate has been successfully created.			
0x01304702	INFO			The NAS %(certName) certificate has been successfully renewed.			
0x01304703	MAJOR	TRUE		Failed to auto-renew the internal NAS client certificate. The certificate will expire on %(end_date).	Resolve any open alerts. Certificate can be manually renewed using the NAS service script 'svc_cluster -security -renewcli'. Contact your service provider for assistance or if the issue persists.	NAS functionality is impaired if the NAS certificate expires. It mainly includes the storage management.	KB # 000242465
0x01304704	CRITICAL	TRUE	TRUE	Failed to auto-renew the internal NAS client certificate. The certificate will expire on %(end_date).	Resolve any open alerts. Certificate can be manually renewed using the NAS service script 'svc_cluster -security -renewcli'. Contact your service provider for assistance or if the issue persists.	NAS functionality is impaired if the NAS certificate expires. It mainly includes the storage management.	KB # 000242465
0x01304705	CRITICAL	TRUE	TRUE	The NAS client certificate has expired on %(end_date).	Certificate must be renewed. It can be done manually using the NAS service script 'svc_cluster -security	NAS storage management is impacted.	KB # 000242465

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				-renewcli', or contact your service provider for assistance.			
0x01304801	INFO			The cluster VDM certificate has been successfully created.			
0x01304802	INFO			The cluster VDM certificate has been successfully renewed.			
0x01304803	MAJOR	TRUE	TRUE	Failed to auto-renew the NAS cluster VDM certificate: %(errorMsg). The certificate will expire on %(end_date).	Resolve any open alerts. Certificate can be manually renewed using the NAS service script 'svc_cluster -security -renew'. Contact your service provider for assistance or if the issue persists.	NAS functionality is impaired if the NAS cluster certificate expires. It impacts the cluster controller.	
0x01304804	CRITICAL	TRUE	TRUE	The NAS cluster VDM certificate has expired on %(end_date).	Certificate must be renewed. It can be done manually using the NAS service script 'svc_cluster -security -renew', or contact your service provider for assistance.	NAS cluster controller is impacted.	
0x01304C01	MINOR	TRUE		DHSM connections on NAS server %(vdmname) are down.	Ensure that the secondary storage is up, running on the correct port and accessible on the network. Check the NAS server log to get more specific status information.	DHSM connections to secondary storage %(secondaryStoragePath) for file systems %(filesystems) on NAS server %(vdmname) are down.	
0x01304C03	INFO			All DHSM connections are working properly or there are no DHSM connections on NAS server %(vdmname).			
0x013F9F01	INFO			NAS cluster upgrade operation to version %(version) was finished successfully.			
0x013FA001	INFO			Changes in %(type) objects: %(createCount) added, %(modifyCount) modified, %(deleteCount) deleted.			
0x013FA101	INFO			The network route %(id) has been created on server %(nasServer)			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x013FA201	INFO			The network route %(id) has been modified on server %(nasServer)			
0x013FA301	INFO			The network route %(id) has been deleted on server %(nasServer)			
0x013FA401	INFO			NAS Server %(id) has been created.			
0x013FA501	INFO			NAS Server %(id) has been modified.			
0x013FA601	INFO			NAS Server %(id) has been deleted.			
0x013FA701	INFO			Changes in %(type) objects in the NAS server %(nasServerId): %(createCount) added, %(modifyCount) modified, %(deleteCount) deleted.			
0x013FA801	INFO			Object %(Path_to_object) of type %(Type_of_object) has been created at %(TimeStamp).			
0x013FA901	INFO			Object %(Path_to_object) of type %(Type_of_object) has been deleted at %(TimeStamp).			
0x013FAA01	INFO			Attributes %(Attributes_modified) of object %(Path_to_object) of type %(Type_of_object) have been modified at %(TimeStamp).			
0x013FAB01	INFO			A new object %(type) with id %(id) has been created.			
0x013FAC01	INFO			An object %(type) with id %(id) has been deleted.			
0x013FAD01	INFO			An object %(type) with id %(id) has been modified.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x013FAE01	INFO			Snap %(snapname) (%(newoid)) of %(fsoid) created successfully.			
0x013FAF01	INFO			Snap %(snapoid) deleted successfully.			
0x013FB001	INFO			Snap %(snapoid) modified successfully.			
0x013FB101	MAJOR			Snap %(snapname) create failed for fs %(fsoid).		Snap not created.	
0x013FB201	MAJOR			Snap %(snapoid) delete failed.		File system not deleted.	
0x013FB301	MAJOR			Snap %(snapoid) modify failed.		Snap modify operation failed.	
0x013FB401	INFO			SMB share %(id) has been created on NAS Server %(nasServer).			
0x013FB501	INFO			SMB share %(id) has been modified on NAS Server %(nasServer).			
0x013FB601	INFO			SMB share %(id) has been deleted on NAS Server %(nasServer).			
0x013FB701	INFO			File system snapshot %(oid) created by %(creator).			
0x013FB801	INFO			File system snapshot %(oid) deleted by data path.			
0x013FB901	INFO			File system snapshot %(oid) modified by data path.			
0x013FBA01	INFO			The unified namespace %(id) has been created on server %(nasServer)			
0x013FBB01	INFO			The unified namespace %(id) has been modified on server %(nasServer)			
0x013FBC01	INFO			The unified namespace %(id) has been deleted on server %(nasServer)			
0x013FBD01	INFO			The unified namespace link %(id) has been created on server %(nasServer)			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x013FBE01	INFO			The unified namespace link %(id) has been modified on server %(nasServer)			
0x013FBF01	INFO			The unified namespace link %(id) has been deleted on server %(nasServer)			
0x013FC001	INFO			The %(type) high water mark was reached on the virus checker service of NAS server %(nasServer) (%(nasServerUUID)).			
0x013FC101	INFO			The %(type) low water mark was reached on the viruschecker service of NAS server %(nasServer) (%(nasServerUUID)).			
0x013FC201	INFO			VirusChecker service %(id) has been created on NAS Server %(nasServer).			
0x013FC301	INFO			VirusChecker service %(id) has been modified on NAS Server %(nasServer).			
0x013FC401	INFO			VirusChecker service %(id) has been deleted on NAS Server %(nasServer).			
0x013FC501	INFO			The scan of the %(fsorsnap) %(fsoid) mounted on %(mountPath) has started on the virus checker service of NAS server %(nasServer) (%(nasServerUUID)).			
0x013FC601	INFO			The current %(type) queue on the virus checker service of NAS server %(nasServer) (%(nasServerUUID)) is below low watermark.			
0x013FC701	INFO			The scan was aborted for			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				the %(fsorsnap) %(fsoid) mounted on %(mountPath) on the virus checker of NAS server %(nasServer) (%(nasServerUUID)) for the following reason: %(error). %(dirs) directories were scanned and %(files) files were submitted to the scan engine.			
0x013FC801	MINOR			The scan of the %(fsorsnap) %(fsoid) mounted on %(mountPath) was successfully completed on the virus checker of NAS server %(nasServer) (%(nasServerUUID)). %(dirs) directories were scanned and %(files) files were submitted to the scan engine.		The scan of the mounted on was successfully completed on the virus checker of NAS server (). directories were scanned and files were submitted to the scan engine.	
0x013FC901	MAJOR			The antivirus (AV) engine deleted or quarantined %(file), %(user).			KB # 000350901
0x013FCA01	MAJOR			The antivirus (AV) engine detected %(file), %(user).			KB # 000350901
0x01400301	CRITICAL	TRUE	TRUE	Database Backup usage exceeds specified space. New database backups can not be created.	Free up space in the database backup directory.	New database backups can not be created.	KB # 000132219
0x01400302	INFO			Database backup usage is within specified limits.			
0x01400303	MINOR	TRUE		Database Backup free space is low.	Free up space in the database backup directory.	If disk space consumption continues to increase, the ability for the system to	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						take a backup could be impaired.	
0x01400401	INFO			Database backup temp volume on appliance %(object_id) is cleaned up.			
0x01400402	MINOR	TRUE	TRUE	Database backup temp volume on appliance %(object_id) failed to be cleaned up after NDU.	Contact your service provider for assistance.	Database backup temporary volume failed to be removed post NDU.	KB # 000200718
0x01500101	MINOR	TRUE		The software update process will initiate failover from the primary node in %(minutes_value) minutes.	No action required.	Cluster management will not be available during the failover process.	KB # 000221337
0x01500102	INFO			Failover of the primary node is complete.			
0x01500201	INFO	TRUE		A critical software upgrade package %(ndu_software_package_name) is available for download.	Download and install the software upgrade package.	No system impact.	KB # 000179605
0x01500202	INFO	TRUE		A major software upgrade package %(ndu_software_package_name) is available for download.	Download and install the software upgrade package.	No system impact.	KB # 000179605
0x01500203	INFO	TRUE		A minor software upgrade package %(ndu_software_package_name) is available for download.	Download and install the software upgrade package.	No system impact.	KB # 000179605
0x01500204	INFO	TRUE		A software upgrade package %(ndu_software_package_name) is available for download.	Download and install the software upgrade package.	No system impact.	
0x01500205	INFO			The software upgrade package %(ndu_software_package_name) has been installed.			
0x01500206	INFO			The software upgrade package %(ndu_software_package_name) has been deleted.			
0x01500207	INFO	TRUE		The software upgrade package %(ndu_softwa	Install the software upgrade package.	No system impact.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				re_package_name) has been downloaded.			
0x01500208	INFO	TRUE		The critical software upgrade package %(ndu_software_package_name) has been downloaded.	Install the software upgrade package.	No system impact.	
0x01500301	MINOR	TRUE		Unable to check for new software update packages due to network connectivity issues with SupportAssist.	Resolve any connectivity issues with SupportAssist.		
0x01500302	INFO			New software update package check complete.			
0x01500401	MAJOR	TRUE		More than one operating system version is installed in this cluster.	Upgrade the cluster to version %(highest_installed_version) or later.	This condition can cause discrepancies in feature behavior across the cluster due to these versioning differences, and can even lead to a loss of feature functionality after high-availability failover and recoveries.	KB # 000179621
0x01500402	INFO			The same operating system version is installed in this cluster.			
0x01500501	INFO			Internal CIAM service completed installation.			
0x01500502	MINOR	TRUE		Internal CIAM service did not install.	Contact your service provider for assistance.	Some authentication services may not be functional.	KB # 000247125
0x01500601	INFO			Internal security service upgrade completed.			
0x01500602	MINOR	TRUE		Internal security service failed to upgrade.	Contact your service provider for assistance.	Some authentication services may not function.	
0x01500A02	INFO			Cluster upgrade has completed successfully.			
0x01500A04	INFO	TRUE		Cluster upgrade is in progress.		Cluster management is only	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						available for monitoring operations. Clients cannot perform management update operations until the cluster upgrade is complete. I/O operations are unaffected.	
0x01500A05	INFO	TRUE		Software update for package %(ndu_software_package_name) is in-progress.	Closely monitor the upgrade progress.	No system impact.	
0x01500A06	INFO			Software update for package %(ndu_software_package_name) has completed successfully.			
0x01500A08	CRITICAL	TRUE		Software update for package %(ndu_software_package_name) failed.	Contact your service provider for assistance.	Update failed.	KB # 000221337
0x01600101	MINOR	TRUE		Cluster license retrieval from the Dell Software Licensing Central failed. No appliances are licensed. The trial period will expire on %(trial_expiration_timestamp), after which no new storage provisioning will be allowed.	For license retrieval to succeed, Support Connectivity must be enabled or the primary appliance must have internet connectivity on port 443 to automatically retrieve licenses you have purchased. License retrieval will automatically occur daily, or you can try manually from the License tab of the Cluster Settings screen. If internet connectivity is not possible for this system, you may download the license activation file on the License tab, and then upload it to the Dell Software Licensing Central. You will then receive a license file that you can then upload to the cluster.	The system has a trial license. When it expires, no new storage provisioning will be allowed.	
0x01600102	MINOR	TRUE		Cluster license installation error: %(reason). The trial period will expire on %(trial_expiration_timestamp), after which no new storage	If this error persists, you can retry manually on the License tab of the Cluster Settings screen. You may also download the license activation file from the License tab, and upload it to the Dell Software Licensing Central. You will receive	The system has a trial license. When it expires, no new storage provisioning will be allowed.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				provisioning will be allowed.	a license file that you can then upload to the cluster.		
0x01600103	INFO			License successfully installed.			
0x01600104	INFO	TRUE		Evaluation license installed. The trial period has been changed from %(trial_expiration_timestamp_old) to %(trial_expiration_timestamp_new), after which no new storage provisioning will be allowed. Appliance(s) with evaluation license: %(appliance_list).			
0x01600201	INFO	TRUE		The trial period will expire on %(trial_expiration_timestamp), after which no new storage provisioning will be allowed. Unlicensed appliance(s): %(appliance_list).	For license retrieval to succeed, Support Connectivity must be enabled or the primary appliance must have internet connectivity on port 443 to automatically retrieve licenses you have purchased. License retrieval will automatically occur daily, or you can try manually from the License tab of the Cluster Settings screen. If internet connectivity is not possible for this system, you may download the license activation file on the License tab, and then upload it to the Dell Software Licensing Central. You will then receive a license file that you can then upload to the cluster.	The system has a trial license. When it expires, no new storage provisioning will be allowed.	
0x01600202	MINOR	TRUE		The trial period will expire on %(trial_expiration_timestamp), after which no new storage provisioning will be allowed. Unlicensed appliance(s): %(appliance_list).	For license retrieval to succeed, Support Connectivity must be enabled or the primary appliance must have internet connectivity on port 443 to automatically retrieve licenses you have purchased. License retrieval will automatically occur daily, or you can try manually from the License tab of the Cluster Settings screen. If internet connectivity is not possible for this system, you may download the license activation file on the	The system has a trial license. When it expires, no new storage provisioning will be allowed.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
					License tab, and then upload it to the Dell Software Licensing Central. You will then receive a license file that you can then upload to the cluster.		
0x01600203	MAJOR	TRUE		The trial period has expired on %(trial_expiration_ti mestamp). No new storage provisioning will be allowed. Unlicensed appliance(s): %(applian ce_list).	For license retrieval to succeed, Support Connectivity must be enabled or the primary appliance must have internet connectivity on port 443 to automatically retrieve licenses you have purchased. License retrieval will automatically occur daily, or you can try manually from the License tab of the Cluster Settings screen. If internet connectivity is not possible for this system, you may download the license activation file on the License tab, and then upload it to the Dell Software Licensing Central. You will then receive a license file that you can then upload to the cluster.	No new storage provisioning operations are permitted.	KB # 000148691
0x01600204	INFO			License successfully installed.			
0x01700201	INFO			The remote system %(remote_syst em_name) is connected.			
0x01700202	MINOR	TRUE		The remote system %(remote_syst em_name) connection requires updating.	Check and correct the remote system %(remote_system_name) settings based on their data connection type . Then, run the Verify and Update operation to bring the remote system configuration back into normal state.	Depending on the change that caused the connectivity problem, some or all replication/import sessions associated with remote system may transition to system paused state. Any metro sessions in Active-Active state would not be affected. Self-healing for metro sessions that are not in Active-Active state will not begin until this issue is resolved.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01700203	MAJOR	TRUE		The remote system %(remote_system_name) management connection is lost.	Verify network connectivity between PowerStore and the remote system.	Some or all replication/import sessions may pause. Some or all metro sessions may fracture. For PowerProtect DD systems, some or all of remote sessions may go into failed state and further backup/retrieve/instant access will be blocked.	KB # 128502
0x01700204	MAJOR	TRUE		Failed to delete the remote system %(remote_system_name).	Check for related alerts and resolve, then retry.	Remote system does not support any capabilities in this state.	KB # 000197304
0x01700205	MAJOR	TRUE		Failed to remove all data connections when deleting remote system %(remote_system_name). Current status is %(delete_status).	If the delete remote system failed due to timeout then reboot the node indicated in the event and retry delete.	Remote system does not support block import or replication in this state.	KB # 000197304
0x01700206	MAJOR	TRUE		Local system failed to delete host object on the remote system %(remote_system_name).	Remote system does not support import, replication, metro in this state.	Delete the host object on the remote system, then retry the delete operation.	KB # 000197304
0x01700207	INFO			Remote system %(remote_system_name) deletion completed.			
0x01700301	INFO			The remote system %(remote_system_name) is being created and does not yet have a data connection status.			
0x01700302	INFO			The remote system %(remote_system_name) is operating normally.			
0x01700303	MAJOR	TRUE		Some data connections from the remote system %(remote_syst	Check and verify data network connectivity to your remote system %(remote_system_name).	Some or all replication/import sessions associated	KB # 128502

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				em_name) are disconnected.	Perform the Verify and Update operation to recover any connections. If issue persists, contact your service provider for assistance.	with the remote system may go into a system paused state. Some or all metro sessions associated with the remote system may go into fractured state. For PowerProtect DD systems, some or all of remote sessions may go into failed state and further backup/retrieve/instant access will be blocked.	
0x01700304	MAJOR	TRUE		All data connections from the remote system %(remote_system_name) are disconnected.	Check and verify data network connectivity to your remote system %(remote_system_name). Perform the Verify and Update operation to recover any connections. If issue persists, contact your service provider for assistance.	Some or all replication/import sessions may pause. Some or all metro sessions may fracture. For PowerProtect DD systems, some or all of remote sessions may go into failed state and further backup/retrieve/instant access will be blocked.	KB # 128502
0x01700305	MINOR	TRUE		PowerStore has failed to discover available remote system %(remote_system_name) target connections.	For import systems such as PS Equalogic, ensure that the volumes are properly mapped to the initiator group. For all other remote systems, verify connectivity over the data network.	The replication/import sessions associated with this remote system cannot synchronize.	
0x01700306	MAJOR	TRUE		Data connections to remote system %(remote_system_name) are frequently unstable.	Resolve the network state issues. Perform the remote system verify operation. If the issue persists, contact your service provider.	The unstable data connection may cause replication session failures when synchronizing data, which will lead to the replication sessions being out of compliance. Metro volumes may	KB # 000221338

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						go through frequent fracture and healing cycles.	
0x01700401	INFO			The replication session for resource %(resource_name) is being created.			
0x01700402	INFO			The replication session associated with resource %(resource_name) is operating normally.			
0x01700403	MAJOR	TRUE		A replication session associated with resource %(resource_name) is in System_Paused state because of error: %(error_message)	Refer to the knowledge base article for this alert to determine the possible causes and solutions.	A replication session in this state cannot synchronize data from the local cluster to the remote cluster until the issue is resolved. The RPO for this session may be out of compliance.	KB # 128502
0x01700404	MINOR	TRUE		A replication session associated with resource %(resource_name) was paused.	Resume the replication session to return it to the normal state.	Replication synchronization is paused. The RPO for this session may be out of compliance.	
0x01700405	MINOR	TRUE		A replication session associated with resource %(resource_name) is failing over.	After failover and recovering your source system, Reprotect your replication session.	Remote Protection of your resource may be impacted.	
0x01700406	MINOR	TRUE		A replication session associated with resource %(resource_name) is failing over.	Wait for the operation to complete and verify host read/write I/O access.	While failover is in-progress, read/write I/O access to hosts is disabled from both source and destination ends.	
0x01700407	MINOR	TRUE		A replication session associated with resource %(resource_name) has failed over.	Use Reprotect on the source storage resource after a failover to continue the replication session in the reverse direction.	While in the Failed-Over state, the replication activity is suspended.	
0x01700408	INFO			A replication session associated with resource %(resource_name) has been deleted.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01700409	MINOR	TRUE		A replication session associated with resource %(resource_name) could not be deleted because of error: %(error_message).	For async replication session reassign the protection policy to the affected resource, then attempt to remove the policy. For metro volume perform end metro operation to cleanup associated session. If the issue persists, contact your service provider.	For async replication session it is still active, but it is not being managed by a policy. For metro volume, the resorce may still be stretched.	KB # 000128502
0x01700601	INFO			A replication session for resource %(resource_name) is being created.			
0x01700602	INFO			A replication session associated with resource %(resource_name) is operating normally.			
0x01700603	MAJOR	TRUE		A replication session associated with resource %(resource_name) is in System_Paused state because of error: %(error_message)	Refer to the knowledge base article for this alert to determine the possible causes and solutions.	A replication session in this state cannot synchronize data from the local cluster to the remote cluster until the issue is resolved. The RPO for this session may be out of compliance.	KB # 128502
0x01700604	MINOR	TRUE		A replication session associated with resource %(resource_name) was paused.	Resume the replication session to return it to the normal state.	Replication synchronization is paused. The RPO for this session may be out of compliance.	
0x01700605	MINOR	TRUE		A replication session associated with resource %(resource_name) is failing over.	After failover and recovering your source system, Reprotect your replication session.	Remote Protection of your resource may be impacted.	
0x01700606	MINOR	TRUE		A replication session associated with resource %(resource_name) is failing over.	Wait for the operation to complete and verify host read/write I/O access.	While failover is in-progress, read/write I/O access to hosts is disabled from both source and destination ends.	
0x01700607	MINOR	TRUE		A replication session associated with resource %(resource_name) has failed over.	Use Reprotect on the source storage resource after a failover to continue the replication session in the reverse direction.	While in the Failed-Over state, the replication activity is suspended.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01700608	INFO			A replication session associated with resource %(resource_name) has been deleted.			
0x01700609	MINOR	TRUE		A replication session associated with resource %(resource_name) could not be deleted because of error: %(error_message)	Reassign the protection policy to the affected resource, then attempt to remove the policy. If the issue persists, contact your service provider.	The replication session is still active, but it is not being managed by a policy.	
0x01700701	MINOR	TRUE		A replication session associated with volume %(resource_name) is undergoing a failover test.	Stop the failover test in order to perform a planned failover of this replication session.	Planned failover of this replication session will not be allowed while the failover test is in progress.	
0x01700702	INFO			A replication session associated with volume %(resource_name) is no longer undergoing a failover test.			
0x01700801	MINOR	TRUE		A replication session associated with volume group %(resource_name) is undergoing a failover test.	Stop the failover test in order to perform a planned failover of this replication session.	Planned failover of this replication session will not be allowed while the failover test is in progress.	
0x01700802	INFO			A replication session associated with volume group %(resource_name) is no longer undergoing a failover test.			
0x01700901	INFO			The remote system %(remote_system_name) file connection state is ok.			
0x01700902	MINOR	TRUE		The remote system %(remote_system_name) file connection needs to be updated.	Verify changes in the file data protection network. Then, run the Verify and Update operation to bring the remote system file configuration back into normal state.	Depending on the change that caused the connectivity problem, some or all file replication or file import sessions associated with remote system may	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						transition to system paused state.	
0x01700903	MINOR	TRUE		The remote system %(remote_system_name) file connection is lost.	Identify and correct the problem that caused loss of file data protection network connection. Then, run Verify and Update operation to update the file connection state.	All file replication or file import sessions associated with the remote system may pause or fail.	
0x01700904	MINOR	TRUE		Connection of file data protection network could not be established to the remote system %(remote_system_name).	Ensure that the file data protection network is configured, then run Verify and Update.	The remote system may not support file replication or file import capability.	
0x01700A01	INFO			Adding remote system %(remote_system_name) failed.	Verify configuration and network connectivity to the remote system and retry.	Unable to add remote system.	
0x01700A02	INFO			Adding the remote system %(remote_system_name) completed successfully.			
0x01700A03	MINOR	TRUE		Deleting the remote system %(remote_system_name) failed.	Verify network connectivity. Ensure that there are no active import/replication/remote sessions or remote snapshots or remote backup rules. Then retry delete operation.	No operations can be conducted until system is removed.	
0x01700A04	INFO			Deleted remote system %(remote_system_name) successfully.			
0x01700A05	INFO	TRUE		Remote system %(remote_system_name) volume discovery has failed.	Verify network connectivity and retry. For Universal Remote System, verify the source volume mapping with Powerstore.	Cannot discover remote system volumes.	
0x01700A06	INFO			Remote system %(remote_system_name) volume discovery was successful.			
0x01700A07	MINOR	TRUE		Remote system %(remote_system_name) configuration change failed.	Verify configuration changes and then retry.	Replication, Metro, Import, or backup/retrieve/instant access capabilities may be impacted.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01700A08	INFO			Remote system %(remote_system_name) configuration change completed successfully.			
0x01700B01	MINOR	TRUE		Remote system %(remote_system_name) failed to add %(type) capability. Block replication, metro or import capabilities are available.	Verify that File Mobility Network IPs are properly configured and mapped to the management network interface under Settings > Networking, then update Remote Systems with the Management IP Address. For File Replication, go to Protection > Remote Systems > More Actions > Verify and Update. For File Import, go to Migration > Import External Storage > More Actions > Modify Remote Systems.	Remote system file replication or import capability is not available.	KB # 000220354
0x01700B02	INFO			Remote system %(remote_system_name) supports %(type) capability.			
0x01700C01	INFO			The replication session for resource %(resource_name) is being created.			
0x01700C02	INFO			The replication session associated with resource %(resource_name) is operating normally.			
0x01700C04	MINOR	TRUE		A replication session associated with resource %(resource_name) was paused.	Resume the replication session to return it to the normal state.	Replication synchronization is paused. The RPO for this session may be out of compliance.	
0x01700C05	MINOR	TRUE		A replication session associated with resource %(resource_name) is failing over.	After failover and recovering your source system, Reprotect your replication session.	Remote Protection of your resource may be impacted.	
0x01700C06	MINOR	TRUE		A replication session associated with resource %(resource_name) is failing over.	Wait for the operation to complete and verify host read/write I/O access.	While failover is in-progress, read/write I/O access to hosts is disabled from both source and destination ends.	

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01700C07	MINOR	TRUE		A replication session associated with resource %(resource_name) has failed over.	Use Reprotect on the source storage resource after a failover to continue the replication session in the reverse direction.	While in the Failed-Over state, the replication activity is suspended.	
0x01700C08	INFO			A replication session associated with resource %(resource_name) has been deleted.			
0x01700C09	MINOR	TRUE		A replication session associated with resource %(resource_name) could not be deleted because of error: %(error_message).	Reassign the protection policy to the affected resource, then attempt to remove the policy. If the issue persists, contact your service provider.	The replication session is still active, but it is not being managed by a policy.	
0x01700D01	INFO			A replication session for resource %(resource_name) has been deleted.			
0x01700D02	MINOR			A replication session for resource %(resource_name) could not be deleted due to error: %(error_message).	Contact your service provider for assistance.	Resources on the destination site may not be released.	
0x01700D03	INFO			The replication session for resource %(resource_name) is being created.			
0x01700D04	INFO			Replication session for resource %(resource_name) is operating normally.			
0x01700D05	MAJOR	TRUE		A replication session for resource %(resource_name) is in System Paused state due to error: %(error_message)	Check and resolve related alerts. Resolve the issue reported in the error message.	Replication session cannot synchronize data to the remote system. The RPO for this session may be out of compliance.	KB # 000197304
0x01700D06	MINOR	TRUE		A replication session for resource %(resource_name) was paused by user.	Resume the replication session to return it to the normal state.	The RPO for this session may be out of compliance.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01700D07	MINOR	TRUE		A replication session for resource %(resource_name) is failing over.	Wait for failover to complete.	Remote Protection of replication group may be impacted.	
0x01700D08	MINOR	TRUE		A replication session for resource %(resource_name) is failing over.	Wait for the operation to complete and verify host read/write I/O access.	While failover is in-progress, read/write I/O access to hosts is disabled from both source and destination.	
0x01700D09	MINOR	TRUE		A replication session for resource %(resource_name) has failed over.	Use Reprotect on the source replication group to continue the replication session in the reverse direction.	While in Failed Over state, replication activity is suspended until Reprotect is applied.	
0x01700E01	MINOR	TRUE		Remote system %(remote_system_name) data connections are operating on a deprecated/legacy transport type.	Update the remote system %(remote_system_name) transport type to iBasic/TCP data connection.	Optimal performance and advanced capabilities will not be available until data connection type is updated.	KB # 000197304
0x01700E02	INFO			Data connection transport update for remote system %(remote_system_name) was successful.			
0x01700F01	INFO			The metro session for resource %(resource_name) is operating normally.			
0x01700F02	CRITICAL	TRUE	TRUE	A metro session for resource %(resource_name) is in the Fractured state. Cause: %(error_message)	Resolve existing system Alerts on the local and remote system. If the issue persists, contact your service provider.	Metro session data synchronization is impacted in this state. Any non-uniform host(s) connected to an affected remote volume is now offline.	KB # 000200712
0x01700F03	CRITICAL	TRUE		A metro session for resource %(resource_name) is in Error state.	Remove the metro sessions associated with the resource using End Metro command. If the issue persists, contact your service provider.	Active-Active Metro volume is degraded and may lead to volume offline.	KB # 000200712

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01700F04	MINOR	TRUE		A metro session for resource %(resource_name) was paused manually.	Resume the metro session.	When metro session is paused, host I/Os are not replicated. Leaving metro session paused for long periods will lead to increased time to get to active/active state.	
0x01700F05	MINOR	TRUE		A Metro session for resource %(resource_name) is in the process of being deleted.	If this alert does not clear, retry "End Metro Volume" action on the Metro volume.	Metro session is in deleting state. The session can stay in deleting state if an error occurred during session deletion. The volume affected will no longer be capable of configuring a Metro session.	
0x01700F06	INFO			A metro session for resource %(resource_name) has been deleted.			
0x01700F07	MINOR	TRUE		A metro session for resource %(resource_name) could not be deleted because of error: %(error_message).	End Metro operation on the resource to cleanup the associated metro session.	Metro session may still exist for the resource.	
0x01701001	MINOR	TRUE		A Metro session for resource %(resource_name) is not available for Host IO.	Promote the Metro session.	The Metro session cannot reach the remote volume. Host cannot perform IO to the volume.	
0x01701002	INFO			A metro session for resource %(resource_name) is available for Host I/O.			
0x01701101	CRITICAL	TRUE		A metro session for resource %(resource_name) is unable to synchronize because the local volume size is smaller than the remote volume size.	Expand the local volume to match or exceed the size of the remote volume.	Metro is unable to synchronize changes to remote volume.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01701102	INFO			The metro session for resource %(resource_name) is operating normally.			
0x01701201	MAJOR	TRUE		The data connection from the local system to the remote system is not highly available.	Check and correct the data connectivity issue and the zoning to your remote system %(remote_system_name) as per the zoning best practise. Data connections will automatically recover for intermittent network connection issues. After resolving configuration issues perform the Verify and Update operation to re-establish all data connections to the remote system.	The data connection for the replication/import sessions associated with remote system %(remote_system_name) is prone to network connectivity issues.	KB # 000197304
0x01701202	INFO			The data connection from the local system to the remote system is highly available.			
0x01701301	INFO			Remote system %(remote_system_name) modification of file import attributes completed.			
0x01701302	MINOR	TRUE		Remote system %(remote_system_name) modification of file import attributes failed, but block modification succeeded.	Verify VNX Control Station IP or credentials, then retry modify operation.	File import sessions associated with remote system may fail.	
0x01701401	MINOR	TRUE		A replication session for replication group %(resource_name) is performing a Failover Test.	No action necessary, resolves automatically when Failover Test stops or replication group is promoted.	Replication group cannot be failed over while performing Failover Test.	
0x01701402	INFO			A replication session associated with replication group %(resource_name) is no longer undergoing a failover test.			
0x01701501	MAJOR	TRUE		Unable to establish data connections to some of the fault domains of remote	Associate Storage Center volumes to a connected fault domain to perform import.	User cannot import those volumes that are not associated	KB # 000197304

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				system %(remote_system_name). Data connections are established to Storage Center %(remote_system_name) to fault domains %(fault_domains).		to a connected fault domain.	
0x01701601	MINOR	TRUE		Remote system %(remote_system_name) MTU %(remote_system_mtu) is not the same as that of the local system's MTU %(local_system_mtu).	Update the MTU of the remote system %(remote_system_name) and/or local system to be same.	MTU mismatch will cause replication performance issues and can also lead to replication session synchronization failures.	
0x01701602	MAJOR	TRUE		Network configuration to remote system %(remote_system_name) does not support the MTU size %(local_system_mtu) set on the replication tagged storage network.	Update the MTU of the remote system %(remote_system_name) and local system to be the same as the network configuration. Validate that the network path MTU between local and remote system matches the MTU setting on both systems.	MTU size is not supported by the network configuration and will cause replication performance issues, and can also lead to replication session synchronization failures.	KB # 207907
0x01701603	INFO			MTU size for the remote system %(remote_system_name) is the same as the local system's.			
0x01701701	MAJOR	TRUE		Metro target portal group creation for remote system %(remote_system_name) failed.	Run Verify and Update on the remote system to clear the failed condition. If the error persists, contact your service provider for assistance.	Metro volumes host access behavior for Uniform Hosts is impacted.	KB # 207907
0x01701702	INFO			Metro target portal group creation for remote system %(remote_system_name) succeeded.			
0x01701801	INFO			Metro witness configured for resource %(resource_name) is engaged.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01701802	MAJOR	TRUE		Metro witness for resource %(resource_name) is disengaged due to incorrect or unreachable witness on remote cluster.	Ensure that the same witness instance is configured on both local and remote systems.	If session fractures, the misconfigured metro witness will not be used. Instead, metro session's role (preferred or non-preferred) will determine which side of the metro session remains host accessible.	KB # 000207946
0x01701803	INFO			Metro witness is configured for resource %(resource_name) and waiting for witness to engage.			
0x01701804	MINOR			Metro witness for resource %(resource_name) is disengaged.	Verify the metro session state for the resource is OK, and check network connectivity between witness and PowerStore systems.	If session fractures, metro witness will not be used. Instead, metro session's role (preferred or non-preferred) will determine which side of the metro session remains host accessible.	KB # 000207946
0x01701805	MAJOR	TRUE		Unable to initialize metro witness for resource %(resource_name).	The metro session will continue to attempt to initialize the witness. If the issue persists, contact your service provider.	If session fractures, metro witness will not be used. Instead, metro session's role (preferred or non-preferred) will determine which side of the metro session remains host accessible.	KB # 000207946
0x01701806	INFO			Metro witness is being unconfigured for resource %(resource_name).			
0x01701E01	INFO			The metro session for resource %(resource_name) is operating normally.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01701E02	CRITICAL	TRUE	TRUE	A metro session for resource %(resource_name) is fractured. Cause: %(error_message)	Resolve any outstanding alerts or replication network issues on local and remote systems.The metro session will initiate self-healing once the cause of the fracture is resolved.	A fractured metro session cannot synchronize data from the local cluster to the remote cluster until the issue is resolved. Depending on metro host configuration, performance may be impacted.	KB # 000221338
0x01701E03	CRITICAL	TRUE		A metro session for resource %(resource_name) is in a non-recoverable condition.	End the affected metro session.	The metro session is no longer active.	KB # 000221338
0x01701E04	MINOR	TRUE		A metro session for resource %(resource_name) was manually paused by user request.	Resume the metro session.	Host I/Os and data changes are accumulated on the online volume group. Leaving metro sessions paused for a long period of time leads to increased synchronization time.	
0x01701E05	INFO	TRUE		A metro session for resource %(resource_name) is being deleted.	Retry the End Metro action on the metro volume group.	The metro session is in Deleting state. If an error occurs during the deletion process, the session may remain in Deleting state.	
0x01701E06	INFO			A metro session for resource %(resource_name) has been deleted.			
0x01701E07	MINOR	TRUE		A metro session for resource %(resource_name) could not be deleted because of error: %(error_message).	Retry End Metro operation on the resource to clean up the associated metro session.	Existing metro session may prevent subsequent protection operations.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01701F01	MINOR	TRUE		A metro session for resource %(resource_name) is unavailable for I/O due to a communication loss following a local appliance restart.	Resolve the communication issue. If the issue cannot be resolved, promote the metro volume group to restore I/O.	The volume group is not available for I/O.	
0x01701F02	INFO			A metro session for resource %(resource_name) is available for Host I/O.			
0x01702001	CRITICAL	TRUE		A metro session for resource %(resource_name) is unable to synchronize as non-preferred volume group size smaller than preferred volume group.	Expand the local volume group to match, or bigger than, the size of the remote volume group.	Metro unable to synchronize changes to remote volume group due to size mismatch.	KB # 000221338
0x01702002	INFO			The metro session for resource %(resource_name) is operating normally.			
0x01702101	INFO			Metro witness configured for resource %(resource_name) is engaged.			
0x01702102	MAJOR	TRUE		Metro witness for resource %(resource_name) is disengaged due to incorrect or unreachable witness on the remote system.	Ensure that the same witness instance is configured on both local and remote systems.	If the metro session fractures, a misconfigured witness will not be used. Instead, the metro session role (preferred or non-preferred) will determine which side of the metro session remains accessible.	KB # 000221338
0x01702103	INFO			Metro witness is configured for resource %(resource_name) and waiting to engage.			
0x01702104	MINOR			Metro witness for resource %(resource_name) is disengaged.	Verify that the metro session state for the resource is OK, and check network connectivity between witness and PowerStore systems.	If the metro session fractures, a misconfigured witness will not be	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						used. Instead, the metro session role (preferred or non-preferred) will determine which side of the metro session remains accessible.	
0x01702105	MAJOR	TRUE		Unable to initialize metro witness for resource %(resource_name).	The metro session will continue to attempt to initialize the witness. If the issue persists, contact your service provider.	When a metro witness is not in use, the metro session reverts to the preferred or non-preferred behavior.	KB # 000221338
0x01702106	INFO			Metro witness is no longer configured for resource %(resource_name).			
0x01702201	INFO			Remote system %(remote_system_name) created the network group.			
0x01702202	MINOR	TRUE		Remote system %(remote_system_name) failed to create the default network group.	Verify and correct connectivity of the data network to your remote system. System will try to create the default network group automatically every hour. Wait another hour to check if the default network group is created. If the issue persists, contact your service provider.	The remote system network group is not available. Replication is not impacted.	
0x01702301	MINOR	TRUE		Remote system %(remote_system_name) MTU %(remote_system_mtu) does not match the local system's MTU %(local_system_mtu) in network group %(network_group_name).	Update the MTU of the remote system %(remote_system_name) and/or local system in network group %(network_group_name) to be the same.	MTU mismatch will cause replication performance issues and may lead to replication session synchronization failures.	
0x01702302	MAJOR	TRUE		Network configuration to remote system %(remote_system_name) in network group %(network_group_name) does not	Update the MTU of the remote system %(remote_system_name) in network group %(network_group_name) and local system to be the same as the network configuration. Validate	MTU size is not supported by the network configuration and will cause replication	KB # 000221338

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				support the MTU size %(local_system_mtu) set on the replication tagged storage network.	that the network path MTU between local and remote system matches the MTU setting on both systems.	performance issues, and may also lead to replication session synchronization failures.	
0x01702303	INFO			MTU size for the remote system %(remote_system_name) in network group %(network_group_name) matches the local system's.			
0x01702401	MAJOR	TRUE		Failed to update recovery snapshot for resource: %(resource_name). Error: %(error_message)	After resolving the issue(s) reported in the error message, the system will automatically attempt to update recovery snapshot.	Without updated recovery snapshots, session recovery time is increased.	KB # 000221338
0x01702402	INFO			Created a recovery snapshot for resource: %(resource_name).			
0x01702501	MAJOR	TRUE		Failed to update the recovery snapshot for resource: %(resource_name). Error: %(error_message)	After resolving the issue(s) reported in the error message, the system will automatically attempt to update the recovery snapshot.	Without updated recovery snapshots, session recovery time is increased.	KB # 000221338
0x01702502	INFO			Created a recovery snapshot for resource: %(resource_name).			
0x01702601	MINOR	TRUE		The total number of replicated volumes, NAS servers, filesystems, and vVols on the appliance has exceeded the recommended limit of %(max_replication_volumes_per_appliance).	Reduce the number of replicated volumes, NAS servers, filesystems, or vVols on this appliance to the recommended limit or below.	Exceeding the recommended limit can lead to performance degradation.	KB # 000221338
0x01702602	INFO			The number of replicated volumes, NAS servers, filesystems, and vVols on the appliance is at			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				or below the recommended limit of %(max_replication_volumes_per_appliance).			
0x01702701	MINOR	TRUE		The total number of replicated volumes, NAS servers, filesystems, and vVols with a five minute RPO on the appliance has exceeded the recommended limit of %(max_replication_five_min_rpo_volumes_per_appliance).	Reduce the number of replicated volumes, NAS servers, filesystems, or vVols with a five minute RPO on this appliance to the recommeneded limit or below.	Exceeding the recommended limit can lead to performance degradation.	KB # 000221338
0x01702702	INFO			The number of replicated volumes, NAS servers, filesystems, and vVols with a five minute RPO on the appliance is at or below the recommended limit of %(max_replication_five_min_rpo_volumes_per_appliance).			
0x01702801	MAJOR	TRUE		The data connection from the local system to the remote system is not highly available. Local nodes %(ps_local_fc_port_non_compliant_detail), or remote nodes %(ps_remote_fc_port_non_compliant_detail) capabilities are not properly enabled.	Check for other hardware related alerts. If the issues persist, contact your service provider for assistance.	The data connection for the replication sessions associated with remote system %(remote_system_name) may have connectivity issues.	
0x01702802	MAJOR	TRUE		The data connection from the local system to the remote system is not highly available. The data connections between local node and remote node %(ps_data_connection_non_compliant_detail_info) are missing.	Ensure the FC zoning to the remote system follows best practices. If the issue persists, contact your service provider for assistance.	The data connection for the replication sessions associated with remote system %(remote_system_name) may have connectivity issues.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01702803	MAJOR			The data connection from the local system to the remote system is not highly available. Local nodes %(ps_local_fc_port_non_compliant_detail), remote nodes %(ps_remote_fc_port_non_compliant_detail) don't have dual mode FC port available for usage. Also, the following connections were missed %(ps_data_connection_non_compliant_detail_info)	Check whether the node used by remote system %(remote_system_name) has FC card installed and/or whether FC port mode are correctly set to dual mode and the FC ports have 'Replication' capability.Contact your service provider for assistance to resolve any incorrect FC port mode issue or FC card hardware issues. Once hardware issue resolved, check and correct the zoning to your remote system %(remote_system_name) as per the zoning best practise. After resolving configuration issues perform the Verify and Update operation to re-establish all data connections to the remote system.	The data connection for the replication sessions associated with remote system %(remote_system_name) is prone to network connectivity issues.	
0x01702804	INFO			The data connection from the local system to the remote system is highly available.			
0x01702805	MAJOR	TRUE		The data connection from the local system to the remote system is not highly available. The data connections between local node and remote node %(ps_data_connection_non_ha_detail_Info) are missing.	Ensure the FC zoning to the remote system follows best practices. If the issue persists, contact your service provider for assistance.	The data connection for the replication sessions associated with remote system %(remote_system_name) may have connectivity issues.	
0x01800101	INFO			All configured DNS servers are available.			
0x01800102	MINOR			The following DNS servers are unavailable: %(addresses).			
0x01800103	MAJOR	TRUE		All configured DNS servers are unavailable.	Ensure that the DNS server IP addresses are correct and reachable via the management network.	Depending on the configuration, any services that use host names could be affected.	KB # 000124926
0x01800201	INFO			All configured NTP servers are available.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01800202	MINOR			The following NTP servers are unavailable: %(addresses).			
0x01800203	MAJOR	TRUE		All configured NTP servers are unavailable.	Ensure that the NTP server IP addresses are correct and reachable via the management network.	Replication sessions may be affected.	KB # 000124926
0x01800301	INFO			VMware vCenter server is available.			
0x01800302	MAJOR	TRUE		Failed to connect to the vCenter %(vcenter_host).	Check the configured vCenter server address and ensure that the vCenter server is available.		KB # 000148693
0x01800401	INFO			Unable to log on to the vCenter server.			
0x01800402	MAJOR	TRUE		Failed to log in to the vCenter %(vcenter_host) as user %(vcenter_username).	Check the specified vCenter credentials.		KB # 000148693
0x01800501	INFO			The vCenter management software is properly configured on the vCenter.			
0x01800502	MINOR			Unable to get running status of vCenter management software.			
0x01800503	MAJOR	TRUE		No vCenter management software found running on the %(vcenter_host) server.	Verify that the vCenter management software is running on the server.		KB # 000148693
0x01800701	INFO			The node management ports are properly cabled.			
0x01800702	MINOR	TRUE		Onboard management port is connected to the data network switch %(physical_switch_id).	The onboard management port needs to be connected to the dedicated management switch.	Management traffic is not separate from data traffic on switch.	KB # 000124928
0x01800801	INFO			Data ports are connected to the data switches.			
0x01800802	MAJOR	TRUE		Data ports are connected to the dedicated management switch: %(connection_scheme).	Check cabling of the node and connect these ports to the data switches.	Performance or connectivity may be degraded or limited.	KB # 000124928

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01800901	INFO			Node ports are properly connected to different switches.			
0x01800902	MAJOR	TRUE		Node ports are connected to the same switch: %(connection_s cheme).	Check cabling of the node and ensure that the ports are connected to different switches to avoid a single point of failure.	A single switch failure may cause loss of connectivity or performance degradation.	KB # 000127816
0x01800A01	INFO			Node port cabling order is correct.			
0x01800A02	MAJOR	TRUE		Order of node port cabling to the data switches is not correct: %(connection_ scheme).	Check cabling of the node to ensure that the ports are connected to different data switches according to the recommended configuration.	Performance may be degraded.	KB # 000124928
0x01800B01	INFO			Appliance port pairs are connected to different data switches.			
0x01800B02	MAJOR	TRUE		Appliance port pairs are connected to the same data switch: %(connection_s cheme).	Check the cabling of the appliance to ensure that data ports of each node are connected to different data switches to avoid a single point of failure.	A single switch failure may cause data unavailability.	KB # 000124928
0x01800C01	INFO			Appliance nodes are connected to switches of the same model.			
0x01800C02	MINOR			Unable to obtain switch model information.			
0x01800C03	MAJOR	TRUE		Nodes are connected to switches of different models: %(physical_sw itch_models).	Use the same switch models with an appliance.	Use of different switch models may result in loss of connectivity or performance degradation.	KB # 000129742
0x01800D01	INFO			Appliance nodes are connected to switches and configured for high availability.			
0x01800D02	MINOR			Unable to obtain high availability information for switches.			
0x01800D03	MAJOR	TRUE		Node %(node_id_a) (%(connection_scheme _a)) and node %(node_id_b) (%(connection_scheme _b)) are not connected	Check cabling and switches to ensure that the nodes are connected according to the recommended configuration.	Connectivity may be affected or performance degraded.	KB # 000129742

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				to switches configured with high availability.			
0x01800E01	INFO			The %(local_port) is connected to port %(physical_switch_port_id) of switch %(physical_switch_id) with MTU satisfying minimal MTU requirements (according to switch information).			
0x01800E02	MAJOR	TRUE		The %(local_port) is connected to port %(physical_switch_port_id) of switch %(physical_switch_id) with an MTU %(current_mtu) that is too small according to switch information received via SSH / SNMP. Minimally required MTU is %(required_mtu).	Modify MTU settings for the port on the switch.	Connectivity and performance may be impacted.	KB # 000124926
0x01800F01	INFO			The %(local_port) is connected to port %(physical_switch_port_id) of switch %(physical_switch_id) with an MTU that satisfies minimal MTU requirements according to switch information received via Cisco Discovery Protocol (CDP).			
0x01800F02	MAJOR	TRUE		The %(local_port) is connected to port %(physical_switch_port_id) of switch %(physical_switch_id) with an MTU %(current_mtu) that is too small according to information received via Cisco Discovery Protocol (CDP).	Change the MTU settings for the port on the switch.	Connectivity and performance may be impacted.	KB # 000124926

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				Minimally required MTU is %(required_mtu).			
0x01801001	INFO			The %(local_port) is connected to port %(physical_switch_port_id) of switch %(physical_switch_id) with an MTU that satisfies the minimal MTU requirements according to information received via Link Layer Discovery Protocol (LLDP).			
0x01801002	MAJOR	TRUE		The %(local_port) is connected to port %(physical_switch_port_id) of switch %(physical_switch_id) with an MTU %(current_mtu) that is too small according to information received via Link Layer Discovery Protocol (LLDP). Minimally required MTU is %(required_mtu).	Change the MTU settings for the port on the switch.	Connectivity and performance may be impacted.	KB # 000124926
0x01801101	INFO			Cross-protocol MTU information is consistent for %(local_port).			
0x01801102	MINOR	TRUE		Cross-protocol MTU information is not consistent for %(local_port).	Check your switch configuration to ensure that MTU information is consistent across the protocols.	None	KB # 000124926
0x01801201	INFO			MTU configuration between data switch ports and appliance data ports is consistent.			
0x01801202	MAJOR	TRUE		MTU mismatch detected between data switch ports: %(connection_scheme).	Ensure that the MTU is configured consistently on the displayed data switch ports.	Performance may be impacted.	KB # 000124926
0x01801301	INFO			MTU configuration between management switch ports and			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				appliance management ports is consistent.			
0x01801302	MAJOR	TRUE		MTU mismatch detected between management switch ports: %(connection_scheme).	Ensure that the MTU is configured consistently on the displayed management switch ports.	Management connectivity may be impacted.	KB # 000124926
0x01801401	INFO			MTU configuration between data switch ports and appliance data ports is consistent across the cluster.			
0x01801402	MAJOR	TRUE		Cluster-wide MTU mismatch detected between data switch ports: %(connection_scheme).	Ensure that the MTU is configured consistently on the displayed data switch ports.	Performance between appliances may be impacted.	KB # 000124926
0x01801501	INFO			MTU configuration between management switch ports and appliance management ports is consistent across the cluster.			
0x01801502	MAJOR	TRUE		Cluster-wide MTU mismatch detected between management switch ports: %(connection_scheme).	Ensure that the MTU is configured consistently on the displayed management switch ports.	Management connectivity may be impacted.	KB # 000124926
0x01801601	INFO			MTU configuration on management switch VLAN interface is correct.			
0x01801602	MAJOR	TRUE		VLAN interface on the management switch %(physical_switch_id) for the management network with VLAN ID %(vlan_id) has an MTU %(current_mtu) that is too small.	Increase the MTU on VLAN interface %(physical_switch_vlan_iface_id) to at least %(required_mtu).	Inconsistent MTU settings across the network can lead to connectivity issues.	KB # 000124926
0x01801701	INFO			MTU configuration on data switch VLAN interface corresponding to the intra-cluster management (ICM) network is correct.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01801702	MAJOR	TRUE		VLAN interface on the data switch %(physical_switch_id) for the intra-cluster management (ICM) with VLAN ID %(vlan_id) has an MTU %(current_mtu) that is too small.	Increase the MTU on VLAN interface %(physical_switch_vlan_iface_id) to at least %(required_mtu).	Inconsistent MTU settings on intra-cluster management VLAN interfaces can lead to loss of internal connectivity between nodes.	KB # 000124926
0x01801801	INFO			MTU configuration on data switch VLAN interface corresponding to the intra-cluster data (ICD) network is correct.			
0x01801802	MAJOR	TRUE		VLAN interface on the data switch %(physical_switch_id) for the intra-cluster data (ICD) with VLAN ID %(vlan_id) has an MTU %(current_mtu) that is too small.	Increase the MTU on VLAN interface %(physical_switch_vlan_iface_id) to at least %(required_mtu).	Inconsistent MTU settings on intra-cluster data network VLAN interfaces can affect internal volume migrations.	KB # 000124926
0x01801901	INFO			MTU configuration on data switch VLAN interface corresponding to the storage network is correct.			
0x01801902	MAJOR	TRUE		VLAN interface on the data switch %(physical_switch_id) for the storage network with VLAN ID %(vlan_id) has an MTU %(current_mtu) that is too small.	Increase the MTU on VLAN interface %(physical_switch_vlan_iface_id) to at least %(required_mtu).	Inconsistent MTU settings on storage network VLAN interfaces can affect host connectivity.	KB # 000124926
0x01801A01	INFO			MTU configuration on data switch VLAN interface corresponding to the vMotion network is correct.			
0x01801A02	MAJOR	TRUE		VLAN interface on the data switch %(physical_switch_id) for the vMotion network with VLAN ID %(vlan_id) has an	Increase the MTU on VLAN interface %(physical_switch_vlan_iface_id) to at least %(required_mtu).	Inconsistent MTU settings on vMotion network VLAN interfaces can affect virtual volume balancing.	KB # 000124926

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				MTU %(current_mtu) that is too small.			
0x01801B01	INFO			Native VLAN information is correct for %(local_port).			
0x01801B02	MINOR	TRUE		Native VLAN information is not consistent for %(local_port).	Check your switch configuration to ensure that native VLAN information is consistent across the protocols.	None	KB # 000124928
0x01801C01	INFO			Native VLAN configuration between data switch ports and appliance data ports is consistent.			
0x01801C02	MAJOR	TRUE		Native VLAN mismatch detected between data switch ports: %(connection_scheme).	Ensure that the native VLAN is configured consistently on the displayed data switch ports.	Inconsistent native VLAN settings can lead to internal connectivity issues.	KB # 000124928
0x01801D01	INFO			Native VLAN configuration between management switch ports and appliance management ports is consistent.			
0x01801D02	MAJOR	TRUE		Native VLAN mismatch detected between management switch ports: %(connection_scheme).	Ensure that the native VLAN is configured consistently on the displayed management switch ports.	Management connectivity may be impacted.	KB # 000124928
0x01801E01	INFO			Allowed VLANs configuration is correct for %(local_port) according to switch information received via SSH / SNMP.			
0x01801E02	MAJOR	TRUE		The %(local_port) has no access to VLANs %(missed_vlans) because it is connected to port %(physical_switch_port_id) of switch %(physical_switch_id) with allowed VLANs %(allowed_vlans) according to switch	Check the allowed VLAN settings on port %(physical_switch_port_id) of the switch %(physical_switch_id) and add VLANs %(missed_vlans) to the list of allowed VLANs.	Network connectivity may be impacted.	KB # 000124928

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				information received via SSH / SNMP.			
0x01801F01	INFO			Allowed VLANs configuration is correct for %(local_port) according to information received via Link Layer Discovery Protocol (LLDP).			
0x01801F02	MAJOR	TRUE		The %(local_port) has no access to VLANs %(missed_vlans) because it is connected to port %(physical_switch _port_id) of switch %(physical_swit ch_id) with allowed VLANs %(allowed_vlan s) according to information received via Link Layer Discovery Protocol (LLDP).	Check allowed VLANs settings on port %(physical_switch_port_id) of the switch %(physical_switch_id) and add VLAN(s) %(missed_vlans) to the list of allowed VLANs.	Network connectivity may be impacted.	KB # 000124928
0x01802001	INFO			The %(local_port) speed is configured according to system requirements.			
0x01802002	INFO	TRUE		The %(port_speed_stat us), but the system recommends at least %(required_speed) Gbps ports.	Ensure that the speed is correctly configured on the switch port.	Network performance may be impacted.	KB # 000124928
0x01802003	MAJOR	TRUE		Port %(port_id) speed is less than %(lowest_possible _speed) Gbps, but the system requires at least %(required_speed) Gbps ports.	Ensure that the speed is correctly configured on the switch port.	Network performance may be impacted.	KB # 000124928
0x01802101	INFO			Port %(physical_switch _port_id) of switch %(physical_swit ch_id) speed is configured according to system requirements.			
0x01802102	MINOR	TRUE		The %(port_speed_stat us), but the system requires at	Ensure that the speed is correctly configured on the switch port.	Network performance may be impacted.	KB # 000124928

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				least %(required_speed) Gbps ports.			
0x01802103	MAJOR	TRUE		Port %(port_id) of switch %(physical_switch_id) has a speed which is less than %(lowest_possible_speed) Gbps, but the system requires at least %(required_speed) Gbps ports.	Ensure that the speed is correctly configured on the switch port.	Network performance may be impacted.	KB # 000124928
0x01802104	MAJOR	TRUE		The %(port_speed_status), but the system requires at least %(required_speed) Gbps ports.	Ensure that the speed is correctly configured on the switch port.	Network performance may be impacted.	KB # 000124928
0x01802201	INFO			Switch port speed settings are consistent with the %(local_port) speed settings.			
0x01802202	MINOR			Speed information is not consistent for %(local_port) with the switch port.			KB # 000124928
0x01802301	INFO			Speed configuration between management switch ports and appliance management ports is consistent.			
0x01802302	MINOR	TRUE		Speed configuration is not consistent: %(connection_scheme).	Ensure that the speed is configured consistently on the management switch ports.	Management network performance may be impacted.	KB # 000124928
0x01802401	INFO			Speed configuration between data switch ports and appliance data ports is consistent.			
0x01802402	MAJOR	TRUE		Speed configuration is not consistent: %(connection_scheme).	Ensure that the speed is configured consistently on the data switch ports.	Network performance may be impacted.	KB # 000124928
0x01802501	INFO			Speed configuration on appliance management ports across the cluster is consistent.			
0x01802502	MINOR	TRUE		Speed mismatch detected across the	Ensure that management port speeds are set the same on the management switches.	Management network	KB # 000127816

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				cluster: %(connection_scheme).		performance may be impacted.	
0x01802601	INFO			Speed configuration on the appliance data ports across the cluster is consistent.			
0x01802602	MAJOR	TRUE		Port speed mismatch across cluster: %(connection_scheme).	Ensure that data port speeds are configured consistently on the data switches.	Network performance may be impacted.	KB # 000127816
0x01802701	INFO			Port %(physical_switch_port_id) on switch %(physical_switch_id) is properly configured in trunk/hybrid mode.			
0x01802702	MAJOR	TRUE		Port %(physical_switch_port_id) on switch %(physical_switch_id) is not configured in trunk/hybrid mode.	Configure the port in trunk/hybrid mode to allow VLAN-tagged traffic.	Network connectivity may be impacted.	KB # 000124928
0x01802801	INFO			STP on port %(physical_switch_port_id) of switch %(physical_switch_id) is properly configured in PortFast/EdgePort mode.			
0x01802802	MAJOR	TRUE		STP on port %(physical_switch_port_id) of switch %(physical_switch_id) is not configured in PortFast/EdgePort mode.	Configure STP on the port in PortFast/EdgePort mode to avoid STP convergence delays.	Network performance may be impacted.	KB # 000124928
0x01802901	INFO			Bond LACP status is OK.			
0x01802902	MINOR			No status available for the LACP bond.			
0x01802903	MINOR	TRUE		The Link Aggregation Control Protocol (LACP) bond is in a degraded state.	Ensure that Dynamic Link Aggregation (LAG) is enabled on the data switch and that all aggregated ports are in link up state.	Network performance is degraded.	
0x01802A01	INFO			No address conflicts are found for the %(network_type)			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				network address %(address).			
0x01802A02	MAJOR	TRUE		Address %(address) configured for %(network_type) network is already used by a host with the following interfaces: %(mac_addr esses)	Check the host and remove the conflicting address.		KB # 000127770
0x01803103	MAJOR	TRUE		The following intra-cluster data network addresses are not reachable via ICMP from node network interfaces: %(ping_sch eme).	Check cabling and VLAN configuration within the nodes and switches.	Software upgrade on NAS-enabled appliances may fail. Migration of resources across the cluster may be impacted.	KB # 000124928
0x01803501	INFO			The switch is available using the provided credentials.			
0x01803502	MINOR			Unable to connect to the switch.			
0x01803503	MINOR	TRUE		Unable to connect to the switch with management IP address %(address) using the specified access credentials.	Check the credentials used to access the switch and the connectivity to the switch.	Switch configuration validation may be limited.	KB # 000179606
0x01803601	INFO			An inter-chassis link (ICL) is configured on the switch.			
0x01803602	MAJOR	TRUE		An inter-chassis link (ICL) is not configured on the switch. This may be the result of configuring the switch with SNMP, which does not allow ICL configuration and other info.	If you are using SNMP to communicate with switch - switch to ssh. Ensure that ICL is configured on the switch.	Network high availability may be impacted and performance will be degraded.	KB # 000179606
0x01803701	INFO			A single inter-chassis link (ICL) is configured on the switch.			
0x01803801	INFO			The inter-chassis link (ICL) configuration contains the peer data.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01803802	MAJOR	TRUE		Detected inconsistent inter-chassis link (ICL) configuration. The ICL configuration does not contain the peer data.	Ensure that an ICL link is properly configured between the pair of switches.	Network high availability or performance may be degraded.	KB # 000179606
0x01803901	INFO			The switch has connectivity with its inter-chassis link (ICL) peer.			
0x01803902	MINOR			Unable to obtain information about the connectivity to the peer switch %(physical_switch_id) via an Inter-Chassis link.			
0x01803903	MAJOR	TRUE		The switch does not have connectivity to the peer switch %(physical_switch_id) via an inter-chassis link (ICL).	Ensure that the ICL is properly configured between the pair of switches.	Network high availability or performance may be degraded.	KB # 000179606
0x01803A01	INFO			The switch has no inter-chassis link (ICL) protocol errors.			
0x01803A02	MINOR			Unable to obtain information about inter-chassis link (ICL) protocol status for the switch.			
0x01803A03	MAJOR	TRUE		The switch has inter-chassis link (ICL) protocol errors.	Ensure that an inter-chassis link (ICL) is properly configured between the switches.	Network high availability or performance may be degraded.	KB # 000179606
0x01803B01	INFO			The Distributed Virtual Switch %(dvs_name) is configured in the vCenter.			
0x01803B02	MAJOR	TRUE		Unable to find the Distributed Virtual Switch with the name %(dvs_name) in vCenter.	Ensure that a Distributed Virtual Switch is configured in vCenter based on the information provided during initial configuration or contact your service provider.	Any network-specific operation may be impacted.	KB # 000179607
0x01803C01	INFO			Physical MTU configuration on the Distributed Virtual Switch %(dvs_name) is correct.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01803C02	MINOR			Unable to obtain physical MTU configuration for the Distributed Virtual Switch %(dvs_name).			
0x01803C03	MAJOR	TRUE		Physical MTU on the Distributed Virtual Switch %(dvs_name) has an invalid value %(current_mtu). The required MTU is %(required_mtu).	Change the physical MTU settings on the Distributed Virtual Switch.		KB # 000179607
0x01803D01	INFO			The version of the Distributed Virtual Switch %(dvs_name) matches the system requirements.			
0x01803D02	MINOR			Unable to obtain information on the version of the Distributed Virtual Switch %(dvs_name).			
0x01803D03	MAJOR	TRUE		The version of the Distributed Virtual Switch %(dvs_name) does not match to %(dvs_version) which is required by the system.	Configure the Distributed Virtual Switch in vCenter based on the system requirements described in the Virtualization with PowerStore Guide. Upgrade the Distributed Virtual Switch, if upgrades are available. If the issue persists, contact your service provider.		KB # 000179608
0x01803E01	INFO			The system VM management port group %(pg_name) is configured on the Distributed Virtual Switch %(dvs_name).			
0x01803E02	MAJOR	TRUE		Unable to find a system VM management port group with name %(pg_name) on the Distributed Virtual Switch %(dvs_name).	Configure a system VM management port group on the Distributed Virtual Switch in vCenter based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179609
0x01803F01	INFO			VLAN configuration on the system VM management port			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				group %(pg_name) is correct.			
0x01803F02	MINOR			Unable to obtain information about the VLAN configuration of the system VM management port group %(pg_name) on the Distributed Virtual Switch %(dvs_name).			
0x01803F03	MAJOR	TRUE		The system VM management port group %(pg_name) has an invalid VLAN ID %(vlan_id). The required VLAN ID is %(required_vlan_id).	Configure the VLAN ID in vCenter.		KB # 000179609
0x01804001	INFO			The ESXi host management port group %(pg_name) is configured on the Distributed Virtual Switch %(dvs_name).			
0x01804002	MAJOR	TRUE		Unable to find an ESXi host management port group with name %(pg_name) on the Distributed Virtual Switch %(dvs_name).	Configure an ESXi host management port group on the Distributed Virtual Switch in vCenter based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179609
0x01804101	INFO			VLAN configuration on the ESXi host management port group %(pg_name) is correct.			
0x01804102	MINOR			Unable to obtain information about the VLAN configuration of the ESXi host management port group %(pg_name) on the Distributed Virtual Switch %(dvs_name).			
0x01804103	MAJOR	TRUE		The ESXi host management port group %(pg_name) has an invalid VLAN	Configure the VLAN ID in vCenter.		KB # 000179609

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				ID %(vlan_id). The required VLAN ID is %(required_vlan_id).			
0x01804201	INFO			The vMotion port group %(pg_name) is configured on the Distributed Virtual Switch %(dvs_name).			
0x01804202	MAJOR	TRUE		Unable to find the vMotion port group with name %(pg_name) on the Distributed Virtual Switch %(dvs_name).	Configure a vMotion port group on the Distributed Virtual Switch in vCenter based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179610
0x01804301	INFO			VLAN configuration on the vMotion port group %(pg_name) is correct.			
0x01804302	MINOR			Unable to obtain information about the VLAN configuration of the vMotion port group %(pg_name) on the Distributed Virtual Switch %(dvs_name).			
0x01804303	MAJOR	TRUE		The vMotion port group %(pg_name) has an invalid VLAN ID %(vlan_id). The required VLAN ID is %(required_vlan_id).	Configure the VLAN ID in vCenter.		KB # 000179610
0x01804401	INFO			The storage initiator port group %(pg_name) is configured on the Distributed Virtual Switch %(dvs_name).			
0x01804402	MAJOR	TRUE		Unable to find a storage initiator port group with name %(pg_name) on the Distributed Virtual Switch %(dvs_name).	Configure a storage initiator port group on the Distributed Virtual Switch in the vCenter based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179610
0x01804501	INFO			VLAN configuration on the storage initiator port group %(pg_name) is correct.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01804502	MINOR			Unable to obtain information about the VLAN configuration of the storage initiator port group %(pg_name) on the Distributed Virtual Switch %(dvs_name).			
0x01804503	MAJOR	TRUE		The storage initiator port group %(pg_name) has an invalid VLAN ID %(vlan_id). The required VLAN ID is %(required_vlan_id).	Configure the VLAN ID in vCenter.		KB # 000179610
0x01804601	INFO			The storage initiator port group %(pg_name) is configured on the Distributed Virtual Switch %(dvs_name).			
0x01804602	MAJOR	TRUE		Unable to find a storage initiator port group with name %(pg_name) on the Distributed Virtual Switch %(dvs_name).	Configure a storage initiator port group on the Distributed Virtual Switch in vCenter based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179610
0x01804701	INFO			VLAN configuration on the storage initiator port group %(pg_name) is correct.			
0x01804702	MINOR			Unable to obtain information about the VLAN configuration of the storage initiator port group %(pg_name) on the Distributed Virtual Switch %(dvs_name).			
0x01804703	MAJOR	TRUE		The storage initiator port group %(pg_name) has an invalid VLAN ID %(vlan_id). The required VLAN ID is %(required_vlan_id).	Configure the VLAN ID in vCenter.		KB # 000179610
0x01804801	INFO			The storage target port group %(pg_name) is configured on the Distributed Virtual Switch %(dvs_name).			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01804802	MAJOR	TRUE		Unable to find a storage target port group with name %(pg_name) on the Distributed Virtual Switch %(dvs_name).	Configure a storage target port group on the Distributed Virtual Switch in vCenter based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179610
0x01804901	INFO			VLAN configuration on the storage target port group %(pg_name) is correct.			
0x01804902	MINOR			Unable to obtain information about the VLAN configuration of the storage target port group %(pg_name) on the Distributed Virtual Switch %(dvs_name).			
0x01804903	MAJOR	TRUE		The storage target port group %(pg_name) has an invalid VLAN ID %(vlan_id). The required VLAN ID is %(required_vlan_id).	Configure the VLAN ID in vCenter.		KB # 000179610
0x01804A01	INFO			The storage target port group %(pg_name) is configured on the Distributed Virtual Switch %(dvs_name).			
0x01804A02	MAJOR	TRUE		Unable to find a storage target port group with name %(pg_name) on the Distributed Virtual Switch %(dvs_name).	Configure a storage target port group on the Distributed Virtual Switch in vCenter based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179610
0x01804B01	INFO			VLAN configuration on the storage target port group %(pg_name) is correct.			
0x01804B02	MINOR			Unable to obtain information about the VLAN configuration of the storage target port group %(pg_name) on the Distributed Virtual Switch %(dvs_name).			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01804B03	MAJOR	TRUE		The storage target port group %(pg_name) has an invalid VLAN ID %(vlan_id). The required VLAN ID is %(required_vlan_id).	Configure the VLAN ID in vCenter.		KB # 000179610
0x01804C01	INFO			The storage target port group %(pg_name) is configured on the Distributed Virtual Switch %(dvs_name).			
0x01804C02	MAJOR	TRUE		Unable to find a storage target port group with name %(pg_name) on the Distributed Virtual Switch %(dvs_name).	Configure a storage target port group on the Distributed Virtual Switch in vCenter based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179610
0x01804D01	INFO			VLAN configuration on the storage target port group %(pg_name) is correct.			
0x01804D02	MINOR			Unable to obtain information about the VLAN configuration of the storage target port group %(pg_name) on the Distributed Virtual Switch %(dvs_name).			
0x01804D03	MAJOR	TRUE		The storage target port group %(pg_name) has an invalid VLAN ID %(vlan_id). The required VLAN ID is %(required_vlan_id).	Configure the VLAN ID in vCenter.		KB # 000179610
0x01804E01	INFO			The storage target port group %(pg_name) is configured on the distributed virtual switch %(dvs_name).			
0x01804E02	MAJOR	TRUE		Unable to find a storage target port group with name %(pg_name) on the Distributed Virtual Switch %(dvs_name).	Configure a storage target port group on the Distributed Virtual Switch in vCenter based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179610

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01804F01	INFO			VLAN configuration on the storage target port group %(pg_name) is correct.			
0x01804F02	MINOR			Unable to obtain information about VLAN configuration of the storage target port group %(pg_name) on the Distributed Virtual Switch %(dvs_name).			
0x01804F03	MAJOR	TRUE		The storage target port group %(pg_name) has an invalid VLAN ID %(vlan_id). The required VLAN ID is %(required_vlan_id).	Configure the VLAN ID in vCenter.		KB # 000179610
0x01805001	INFO			The management VMkernel adapter %(vmk_name) is configured on the ESXi host %(host_name).			
0x01805002	MAJOR	TRUE		Unable to find a management VMkernel adapter %(vmk_name) on the ESXi host %(host_name).	Configure a management VMkernel adapter on the ESXi host based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179611
0x01805101	INFO			IP configuration on the management VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is correct.			
0x01805102	MINOR			Unable to obtain information about the IP configuration of the management VMkernel adapter %(vmk_name) configured on the ESXi host %(host_name).			
0x01805103	MAJOR	TRUE		The management VMkernel adapter %(vmk_name) of the ESXi host %(host_name) has	Configure VMkernel adapter IP settings as shown.		KB # 000179612

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				an invalid IP configuration: %(address)/%(prefix). The required IP settings are: %(required_address)/%(required_prefix).			
0x01805201	INFO			The management VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is connected to the ESXi host management port group %(pg_name) of the Distributed Virtual Switch %(dvs_name).			
0x01805202	MINOR			Unable to obtain information about port group configuration of the management VMkernel adapter %(vmk_name) configured on the ESXi host %(host_name).			
0x01805203	MAJOR	TRUE		The management VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is connected to an invalid port group %(pg_name).	Connect the management VMkernel adapter to the management port group %(required_pg_name) on the Distributed Virtual Switch %(dvs_name).		KB # 000179612
0x01805301	INFO			The vMotion VMkernel adapter %(vmk_name) is configured on the ESXi host %(host_name).			
0x01805302	MAJOR	TRUE		Unable to find a vMotion VMkernel adapter %(vmk_name) on the ESXi host %(host_name).	Configure a vMotion VMkernel adapter on the ESXi host based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179612
0x01805401	INFO			IP configuration on the vMotion VMkernel adapter %(vmk_name) of the ESXi			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				host %(host_name) is correct.			
0x01805402	MINOR			Unable to obtain information about the IP configuration of the vMotion VMkernel adapter %(vmk_name) configured on the ESXi host %(host_name).			
0x01805403	MAJOR	TRUE		The vMotion VMkernel adapter %(vmk_name) of the ESXi host %(host_name) has an invalid IP configuration: %(address)/%(prefix). The required IP settings are: %(required_address)/%(required_prefix).	Configure VMkernel adapter IP settings as shown.		KB # 000179612
0x01805501	INFO			The vMotion VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is connected to the vMotion port group %(pg_name) of the Distributed Virtual Switch %(dvs_name).			
0x01805502	MINOR			Unable to obtain information about the port group configuration of the vMotion VMkernel adapter %(vmk_name) configured on the ESXi host %(host_name).			
0x01805503	MAJOR	TRUE		The vMotion VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is connected to an invalid port group %(pg_name).	Connect the vMotion VMkernel adapter to the vMotion port group %(required_pg_name) on the Distributed Virtual Switch %(dvs_name).		KB # 000179612
0x01805601	INFO			The storage initiator VMkernel adapter %(vmk_name) is configured on the			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				ESXi host %(host_name).			
0x01805602	MAJOR	TRUE		Unable to find a storage initiator VMkernel adapter %(vmk_name) on the ESXi host %(host_name).	Configure a storage initiator VMkernel adapter on the ESXi host based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179612
0x01805701	INFO			IP configuration on the storage initiator VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is correct.			
0x01805702	MINOR			Unable to obtain information about the IP configuration of the storage initiator VMkernel adapter %(vmk_name) configured on the ESXi host %(host_name).			
0x01805703	MAJOR	TRUE		The storage initiator VMkernel adapter %(vmk_name) of the ESXi host %(host_name) has an invalid IP configuration: %(address)/%(prefix), default gateway - %(gateway). The required IP settings are: default gateway - %(required_gateway) and one of the following IP addresses - %(required_addresses_with_prefix)).	Configure VMkernel adapter IP settings as shown.		KB # 000179612
0x01805801	INFO			The storage initiator VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is connected to the storage initiator port			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				group %(pg_name) of the Distributed Virtual Switch %(dvs_name).			
0x01805802	MINOR			Unable to obtain information about port group configuration of the storage initiator VMkernel adapter %(vmk_name) configured on the ESXi host %(host_name).			
0x01805803	MAJOR	TRUE		The storage initiator VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is connected to an invalid port group %(pg_name).	Connect the storage initiator VMkernel adapter to the storage initiator port group %(required_pg_name) on the Distributed Virtual Switch %(dvs_name).		KB # 000179612
0x01805901	INFO			The storage initiator VMkernel adapter %(vmk_name) is configured on the ESXi host %(host_name).			
0x01805902	MAJOR	TRUE		Unable to find a storage initiator VMkernel adapter %(vmk_name) on the ESXi host %(host_name).	Configure a storage initiator VMkernel adapter on the ESXi host based on the system requirements described in the Virtualization with PowerStore Guide. If the issue persists, contact your service provider.		KB # 000179612
0x01805A01	INFO			IP configuration on the storage initiator VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is correct.			
0x01805A02	MINOR			Unable to obtain information about IP configuration of the storage initiator VMkernel adapter %(vmk_name) configured on the ESXi host %(host_name).			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01805A03	MAJOR	TRUE		The storage initiator VMkernel adapter %(vmk_name) of the ESXi host %(host_name) has an invalid IP configuration: %(address)/%(prefix), default gateway - %(gateway). The required IP settings are: default gateway - %(required_gateway) and one of the following IP addresses - %(required_addresses_with_prefix)).	Configure VMkernel adapter IP settings as shown.		KB # 000179612
0x01805B01	INFO			The storage initiator VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is connected to the storage initiator port group %(pg_name) of the Distributed Virtual Switch %(dvs_name).			
0x01805B02	MINOR			Unable to obtain information about port group configuration of the storage initiator VMkernel adapter %(vmk_name) configured on the ESXi host %(host_name).			
0x01805B03	MAJOR	TRUE		The storage initiator VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is connected to invalid port group %(pg_name).	Connect the storage initiator VMkernel adapter to the storage initiator port group %(required_pg_name) on the Distributed Virtual Switch %(dvs_name).		KB # 000188115
0x01805C01	INFO			The default TCP/IP stack gateway is properly configured on the ESXi host %(host_name).			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01805C02	MAJOR	TRUE		The default TCP/IP stack gateway %(gateway) on the ESXi host %(host_name) is invalid. The required gateway is %(required_gateway).	Configure default TCP/IP stack gateway on the ESXi host as shown.		KB # 000179613
0x01805D01	INFO			The vMotion TCP/IP stack gateway is properly configured on the ESXi host %(host_name).			
0x01805D02	MAJOR	TRUE		The vMotion TCP/IP stack gateway %(gateway) on the ESXi host %(host_name) is invalid. The required gateway is %(required_gateway).	Configure vMotion TCP/IP stack gateway on the ESXi host as shown.		KB # 000179613
0x01806401	INFO			MTU configuration on the management VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is correct.			
0x01806402	MINOR	TRUE		Unable to obtain information about MTU configuration of the management VMkernel adapter %(vmk_name) configured on the ESXi host %(host_name).	Ensure that your vCenter is healthy and reachable from the management network.	Management functionality with vCenter may be impacted.	
0x01806403	MAJOR	TRUE	TRUE	The management VMkernel adapter %(vmk_name) of the ESXi host %(host_name) has an invalid MTU %(current_mtu).	Configure VMkernel adapter with the required MTU %(required_mtu).	Management functionality with vCenter may be impacted.	KB # 000179614
0x01806501	INFO			MTU configuration on the vMotion VMkernel adapter %(vmk_name) of the ESXi			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				host %(host_name) is correct.			
0x01806502	MINOR	TRUE		Unable to obtain information about MTU configuration of the vMotion VMkernel adapter %(vmk_name) configured on the ESXi host %(host_name).	Ensure that your vCenter is healthy and reachable from the management network.	Management functionality with vCenter may be impacted.	
0x01806503	MAJOR	TRUE		The vMotion VMkernel adapter %(vmk_name) of the ESXi host %(host_name) has an invalid MTU %(current_mtu).	Configure VMkernel adapter with the required MTU %(required_mtu).	Virtual volume migration may be impacted.	KB # 000179615
0x01806601	INFO			MTU configuration on the storage initiator VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is correct.			
0x01806602	MINOR	TRUE		Unable to obtain information about MTU configuration of the storage initiator VMkernel adapter %(vmk_name) configured on the ESXi host %(host_name).	Ensure that your vCenter is healthy and reachable from the management network.	Management functionality with vCenter may be impacted.	
0x01806603	MAJOR	TRUE		The storage initiator VMkernel adapter %(vmk_name) of the ESXi host %(host_name) has an invalid MTU %(current_mtu).	Configure VMkernel adapter with the required MTU %(required_mtu).	Virtual volume high availability and performance may be impacted.	KB # 000179615
0x01806701	INFO			MTU configuration on the storage initiator VMkernel adapter %(vmk_name) of the ESXi host %(host_name) is correct.			
0x01806702	MINOR			Unable to obtain information about MTU configuration of the storage initiator	Ensure that your vCenter is healthy and reachable from the management network.	Management functionality with vCenter may be impacted.	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				VMkernel adapter %(vmk_name) configured on the ESXi host %(host_name).			
0x01806703	MAJOR	TRUE		The storage initiator VMkernel adapter %(vmk_name) of the ESXi host %(host_name) has an invalid MTU %(current_mtu).	Configure VMkernel adapter with the required MTU %(required_mtu).	Virtual volume high availability and performance may be impacted.	KB # 000179615
0x01806801	INFO			Management ports are properly connected to different management switches.			
0x01806802	MINOR	TRUE		Management ports are connected to the same management switch %(physical_switch_id).	For high availability, connect the management ports to two management switches. Cable both nodes to the same management switch only if two switches are not available.	Management availability may be impacted in case of high availability event.	
0x01806901	INFO			Speed configuration between data switch ports and node data ports is consistent.			
0x01806902	MAJOR	TRUE		Speed mismatch detected: %(connection_scheme).	Ensure that the speed is configured consistently on the data switch ports.	Network performance may be degraded.	KB # 000124928
0x01806A01	INFO			Native VLAN configuration between data switch ports and appliance data ports is consistent across the cluster.			
0x01806A02	MAJOR	TRUE		Cluster-wide native VLAN mismatch detected between data switch ports: %(connection_scheme).	Ensure that the native VLAN is configured consistently on the displayed data switch ports.	Appliance connectivity may be degraded.	KB # 000124928
0x01806B01	INFO			Native VLAN configuration between management switch ports and appliance management ports is consistent across the cluster.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01806B02	MAJOR	TRUE		Cluster-wide native VLAN mismatch detected between management switch ports: %(connection_scheme).	Ensure that the native VLAN is configured consistently on the displayed management switch ports.	Management connectivity may be degraded.	KB # 000124928
0x01806C01	INFO			NTP servers meet the system requirements for time difference.			
0x01806C02	MAJOR	TRUE		NTP servers exceed the system requirements for time difference: %(diff_scheme).	Contact your network administrator to validate configuration and availability of NTP servers. Time difference between the NTP servers should be less than %(required_diff) seconds.	Replication may be affected.	KB # 000179616
0x01806D01	INFO			Time difference between the node and the NTP servers meets the system requirements.			
0x01806D02	MINOR	TRUE		Time difference between the node and the following NTP servers exceeds system requirements: %(diff_scheme).	If NTP server time difference does not automatically update over time, use the 'svc_ntp_ctl' service script to force node time synchronization.	Replication may be affected.	
0x01806D03	MAJOR	TRUE		Time difference between the node and the following NTP servers significantly exceeds system requirements: %(diff_scheme).	Use the 'svc_ntp_ctl' service script to force node time synchronization with the NTP servers to ensure that time difference between the node and the NTP servers is less than %(required_diff) seconds.	Replication sessions may be degraded.	KB # 000132575
0x01806E01	INFO			Management network addresses are reachable via ICMP from %(address).			
0x01806E02	MAJOR			The following management addresses are not reachable via ICMP from %(address): %(addresses).	Check network cabling and switch VLAN configuration for the appliances.	Management connectivity may be impacted.	KB # 000182005
0x01806F01	INFO			Path MTU discovery between management network addresses and %(address)			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				detected consistent MTU sizes.			
0x01806F02	INFO			Unable to verify MTU size because some management network IP addresses are not reachable via ICMP from %(address).			
0x01806F03	MAJOR			During path MTU discovery insufficient MTU size found on the path between management network addresses %(addresses) and %(address).	Check the port MTU sizes of management switches and ensure that they correspond to the management network MTU %(required_mtu).	Management connectivity may be impacted, including Storage Providers.	KB # 000182005
0x01807001	INFO			Storage network addresses are reachable via ICMP from %(address).			
0x01807002	MAJOR			The following storage addresses are not reachable via ICMP from %(address): %(addresses).	Check network cabling and switch VLAN configuration for the appliances.	Storage network connectivity may be impacted.	KB # 000182005
0x01807101	INFO			Path MTU discovery between storage network addresses and %(address) detected consistent MTU sizes.			
0x01807102	MINOR			Unable to verify MTU size because some storage network IP addresses are not reachable via ICMP from %(address).			
0x01807103	MAJOR			During path MTU discovery insufficient MTU size found on the path between storage network addresses %(addresses) and %(address).	Check the port MTU sizes of data switches and ensure that they correspond to the storage network MTU %(required_mtu).	Storage network connectivity or performance may be impacted.	KB # 000182005
0x01807201	INFO			Intra-cluster management network addresses are reachable via ICMP from %(address).			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01807202	MAJOR			The following intra-cluster management addresses are not reachable via ICMP from %(address): %(addresses).	Check network cabling and data switch VLAN configuration for the appliances.	Intra-cluster management network connectivity may be impacted.	KB # 000182006
0x01807301	INFO			Path MTU discovery between intra-cluster management network addresses and %(address) detected consistent MTU sizes.			
0x01807302	MINOR			Unable to verify MTU size because some intra-cluster management network IP addresses are not reachable via ICMP from %(address).			
0x01807303	MAJOR			During path MTU discovery insufficient MTU size found on the path between intra-cluster management network addresses %(addresses) and %(address).	Check the port MTU sizes of data switches and ensure that they correspond to the storage network MTU %(required_mtu).	Intra-cluster management network connectivity or performance may be impacted.	KB # 000182006
0x01807401	INFO			Intra-cluster data network addresses are reachable via ICMP from %(address).			
0x01807402	MAJOR			The following intra-cluster data addresses are not reachable via ICMP from %(address): %(addresses).	Check network cabling and data switch VLAN configuration for the appliances.	Intra-cluster data network connectivity may be impacted.	KB # 000182006
0x01807501	INFO			Path MTU discovery between intra-cluster data network addresses and %(address) detected consistent MTU sizes.			
0x01807502	MINOR			Unable to verify MTU size because some intra-cluster data			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				network IP addresses are not reachable via ICMP from %(address).			
0x01807503	MAJOR			During path MTU discovery insufficient MTU size found on the path between intra-cluster data network addresses %(addresses) and %(address).	Check the port MTU sizes of data switches and ensure that they correspond to the intra-cluster network MTU %(required_mtu).	Intra-cluster data network connectivity or performance may be impacted.	KB # 000182006
0x01807601	INFO			vMotion network addresses are reachable via ICMP from %(address).			
0x01807602	MAJOR			The following vMotion addresses are not reachable via ICMP from %(address): %(addresses).	Check network cabling and data switch VLAN configuration for the appliances.	vMotion network connectivity may be impacted.	KB # 000182007
0x01807701	INFO			Path MTU discovery between vMotion network addresses and %(address) detected consistent MTU sizes.			
0x01807702	MINOR			Unable to verify MTU size because some vMotion network IP addresses are not reachable via ICMP from %(address).			
0x01807703	MAJOR			During path MTU discovery insufficient MTU size found on the path between vMotion network addresses %(addresses) and %(address).	Check the port MTU sizes of data switches and ensure that they correspond to the vMotion network MTU %(required_mtu).	vMotion network connectivity or performance may be impacted.	KB # 000182007
0x01807801	INFO			Network ICMP connectivity and MTU sizes are consistent.			
0x01807802	MAJOR	TRUE		Network ICMP connectivity issues with %(count) addresses.	Check cabling and VLAN configuration within the nodes and switches. For more detailed diagnostics check events for particular network addresses using timestamp filtering.	Network connectivity may be limited.	KB # 000182008

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01807803	MAJOR	TRUE		Network MTU size issues with %(count) addresses.	Check the port MTU sizes of switches and ensure that they correspond to the network MTU %(required_mtu). For more detailed diagnostics check events for particular network addresses using timestamp filtering.	Network connectivity may be limited.	KB # 000182008
0x01807804	MAJOR	TRUE		Network ICMP connectivity and MTU size issues with %(count) addresses.	Check cabling, VLAN and MTU configuration within cluster nodes and switches. Check the port MTU sizes of switches and ensure that they correspond to the network MTU %(required_mtu). For more detailed diagnostics check events for particular network addresses using timestamp filtering.	Network connectivity may be limited.	KB # 000182008
0x01807805	MAJOR	TRUE		Intra-cluster data network addresses are not reachable via ICMP from %(count) addresses.	Check cabling and VLAN configuration within the nodes and switches. For more detailed diagnostics, check PowerStore events for specific network addresses.	Software upgrade on NAS-enabled appliances may fail. Migration of resources across the cluster may be impacted.	KB # 000191123
0x01807806	MAJOR	TRUE		Network MTU sizes are not consistent for %(count) addresses.	Check the port MTU sizes of switches and ensure that they correspond to the network MTU %(required_mtu). For more detailed diagnostics, check PowerStore events for specific network addresses.	Network connectivity and performance may be impacted. Software upgrade on NAS-enabled appliances may fail. Migration of resources across the cluster may be impacted.	KB # 000191123
0x01807807	MAJOR	TRUE		Intra-cluster data network addresses are not reachable via ICMP and network MTU sizes are not consistent for %(count) addresses.	Check cabling, VLAN and MTU configuration within cluster nodes and switches. Ensure that the switch port MTU sizes correspond to the network MTU %(required_mtu). For more detailed diagnostics, check PowerStore events for specific network addresses.	Network connectivity and performance may be impacted. Software upgrade on NAS-enabled appliances may fail. Migration of resources across the cluster may be impacted.	KB # 000191123
0x01807901	INFO			Cluster is optimized for best performance.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01807902	MAJOR	TRUE		Cluster is not optimized for best performance: Storage network %(network_name) MTU is set to %(current_mtu). Additional iSCSI targets have not been configured on appliances: %(iscsi_target_appliance_names).	1) Ensure that storage network %(network_name) MTU is set to %(required_mtu). 2) Ensure that virtual port vFEPort2 is mapped to storage network %(network_name) on the displayed appliances. 3) Ensure that the ESXi host queue depth is aligned with the number of configured iSCSI targets on the displayed appliances.	Appliances that have not been optimized may experience iSCSI performance degradation.	KB # 000110933
0x01807903	MAJOR	TRUE		Cluster is not optimized for best performance: Storage network %(network_name) MTU is set to %(current_mtu).	1) Ensure that storage network %(network_name) MTU is set to %(required_mtu). 2) Ensure that virtual port vFEPort2 is mapped to storage network %(network_name) on the displayed appliances.	Appliances that have not been optimized may experience iSCSI performance degradation.	
0x01807A01	INFO			All ports of the bond are in link up state and Link Aggregation Control Protocol (LACP) configuration is correct.			
0x01807A02	MAJOR	TRUE		One or more bond ports are in link down state or Link Aggregation Control Protocol (LACP) is in degraded state.	Ensure that bond ports are properly cabled to the data switches and Link Aggregation Control Protocol (LACP) is properly configured.	Network performance may be degraded.	KB # 000197305
0x01807A03	MAJOR	TRUE		All of the bond ports are down.	Ensure bond ports are properly cabled and data switch ports are up.	Network connectivity is limited.	KB # 000197305
0x01807B01	INFO			All ports of the Fail-Safe Network (FSN) are up.			
0x01807B02	MINOR	TRUE		Secondary port of the Fail-Safe Network (FSN) is in link down state.	Ensure Fail-Safe Network (FSN) ports are properly cabled and data switch ports are up.	Network high availability is limited.	KB # 000197305
0x01807B03	MAJOR	TRUE		Primary port of the Fail-Safe Network (FSN) is in link down state.	Ensure Fail-Safe Network (FSN) ports are properly cabled and data switch ports are up.	The network performance and high availability may be degraded.	KB # 000197305
0x01807B04	INFO			Fail-Safe Network (FSN) is failing back to the primary port.			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01807B05	MAJOR	TRUE		All ports of the Fail-Safe Network (FSN) are in link down state.	Ensure Fail-Safe Network (FSN) ports are properly cabled and data switch ports are up.	Network connectivity is limited.	KB # 000197305
0x01807B06	INFO			Active port of Fail-Safe Network (FSN) has changed.			
0x01807C01	MAJOR	TRUE		SSH connectivity to ESXi internal host has failed.	Enable SSH and verify that it works.	System won't be able to report hardware or connectivity issues, if node is rebooted in this state it won't be able to fully boot back up.	KB # 000207911
0x01807C02	INFO			SSH connectivity to ESXi internal host is working.			
0x01807D01	INFO			The discovery of partner ports available for the File Mobility network has succeeded.			
0x01807D02	MAJOR	TRUE		The discovery of partner ports available for the File Mobility network has failed.	Contact your service provider.	The Asyncronous File Replication will not be available.	
0x01807E01	INFO			The cloud port %(cloud_port_id) that corresponds to the virtual Ethernet port is attached to an instance.			
0x01807E02	MAJOR	TRUE		The cloud port %(cloud_port_id) that corresponds to the virtual Ethernet port is detached from an instance.	Attach the affected cloud port back to the instance.	Services that are configured on the affected virtual Ethernet port will not be available.	
0x01807F01	INFO			Discovery IP address is configured.			
0x01807F02	MINOR	TRUE		Discovery IP address is not configured.	Check whether the switches are preventing the discovery IP address from being configured. Resolve the switch issue, reboot the appliance, and verify this alert has been cleared.	If Discovery IP address is not configured, appliance discovery and adding new appliance will not work.	
0x01808001	INFO			Eth port down.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01808002	INFO			Eth port changed.			
0x01808101	INFO			The configured NTP servers authentication is valid.			
0x01808102	MINOR			Failed to use authentication against the following NTP servers: %(addresses).			
0x01808103	MAJOR	TRUE		Failed to use authentication against the following NTP servers: %(addresses).	Ensure that the NTP server IP address and key id are correct.	Replication sessions may be affected.	KB # 000242466
0x01A00101	INFO			Management data space usage is within the specified limits for appliance %(appl_id).			
0x01A00102	INFO			Management data space usage is within the specified limits, but the free space is close to the low threshold condition for appliance %(appl_id).			
0x01A00103	MINOR	TRUE	TRUE	Management data space usage is at or above %(space_usage) percent and the free space is low for appliance %(appl_id).	Contact your service provider for assistance.	System management could be impacted if management data continues to grow.	KB # 000132219
0x01A00104	MAJOR	TRUE	TRUE	Management data space usage is at or above %(space_usage) percent and the free space is extremely low for appliance %(appl_id).	Contact your service provider for assistance.	System management will be impacted if the management data continues to grow.	KB # 000132219
0x01A00105	CRITICAL	TRUE	TRUE	Management data space usage is at or above %(space_usage) percent and the free space is critical for appliance %(appl_id).	Contact your service provider for assistance.	Cluster management is disabled.	KB # 000132219
0x01A00201	INFO			Management operations are enabled.			
0x01A00202	CRITICAL	TRUE	TRUE	Management operations are disabled.	Contact your service provider for assistance.	Cluster management is unavailable.	KB # 000132219

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01A00301	INFO			Metrics/Backup database space usage is within the specified limits for appliance %(appl_id).			
0x01A00302	INFO			Metrics/Backup database space usage is within specified limits, but the free space is close to the low threshold condition for appliance %(appl_id).			
0x01A00303	MINOR	TRUE	TRUE	Metrics/Backup database space usage is at or above %(space_usage) percent and the free space is low for appliance %(appl_id).	Contact your service provider for assistance.	Non-essential database functions, such as metrics, could be impacted across the cluster if the disk usage continues to grow.	KB # 000128499
0x01A00304	MAJOR	TRUE	TRUE	Database extended space is at or above %(space_usage) percent used and free space is considered extremely low for appliance %(appl_id).	Please contact your service provider	Non essential database functions like metrics will be impacted across the cluster if disk usage continues to grow.	KB # 000128499
0x01A00305	CRITICAL	TRUE	TRUE	Database extended space is at or over %(space_usage) percent used and free space is considered critical for appliance %(appl_id). Metrics collection and any other non-essential management activity will be shutdown across the cluster to prevent corruption.	Please contact your service provider	Metrics collection and any other non-essential database activity is shutdown to prevent corruption.	KB # 000128499
0x01A00401	INFO			Database non-essential functions are operating normally.			
0x01A00402	CRITICAL	TRUE	TRUE	Metrics collection and any other non-essential database activity is being shutdown to	Please contact your service provider	Metrics collection and any other non-essential database activity is shutdown	KB # 000128499

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				prevent any corruption due to space issues.		to prevent corruption.	
0x01A00501	INFO			The internal metrics database volume is operating normally.			
0x01A00502	MAJOR	TRUE	TRUE	The performance history database requires maintenance from your service provider.	Contact your service provider for assistance.	Performance history collection is temporarily disabled across the cluster until your service provider completes the maintenance. Gaps in performance history during this time period will remain, even after maintenance is completed.	KB # 000200710
0x01A00601	INFO			Limit metrics collection retention to the VSA minimum space policy.			
0x01A00701	INFO			The internal metrics database volume is operating normally for appliance %(appl_id).			
0x01A00702	MAJOR	TRUE	TRUE	The performance history database for appliance %(appl_id) requires maintenance.	Contact your service provider for assistance.	Performance history collection is temporarily disabled for appliance %(appl_id). Collection may be impacted across the cluster until maintenance is completed. Gaps in performance history during this time period will remain, even after maintenance is completed.	KB # 000200710
0x01A00801	INFO			Volume usage by the cluster database for appliance %(appl_id) is normal.			
0x01A00802	INFO			Volume usage by the cluster database for			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				appliance %(appl_id) total:%(total_percentage) data:%(data_percentage) temp:%(tmp_percentage) wal:%(wal_percentage) cmds:%(cmd_size) reindex:%(reindex_needed)"			
0x01A00901	INFO			Volume usage by the appliance database for appliance %(appl_id) is normal.			
0x01A00902	INFO			Volume usage by the appliance database for appliance %(appl_id) total:%(total_percentage) data:%(data_percentage) temp:%(tmp_percentage) wal:%(wal_percentage) cmds:%(cmd_size) reindex:%(reindex_needed)"			
0x01B00101	MAJOR	TRUE		Refreshing the volume group %(volume_group_name) failed.	Restore the volume group from the backup snapshot (%(backup_snapset_name)). If an error caused the refresh to fail, resolve the error and try refreshing again. If the error persists contact support.	The data across all the volumes in the group may not be consistent.	KB # 000179617
0x01B00102	INFO			The volume group %(volume_group_name) was refreshed successfully.			
0x01B00201	MAJOR	TRUE		Restoring the volume group %(volume_group_name) failed.	Restore the volume group from the backup snapshot (%(backup_snapset_name)). If an error caused the restore to fail, resolve the error and try restoring again.	The data across all the volumes in the group may not be consistent.	KB # 000179617

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
					If the error persists contact support.		
0x01B00202	INFO			The volume group %(volume_group_name) was restored successfully.			
0x01C00101	CRITICAL	TRUE	TRUE	Appliance %(appliance_id) is running out of storage space. File (NAS) data and management will become unavailable if the appliance reaches 100% capacity.	Delete unwanted storage or add enough storage to the appliance %(appliance_id) so that the consumed capacity is below 95% threshold.	File (NAS) data and management will become unavailable if the appliance reaches 100% capacity.	KB # 000129825
0x01C00102	INFO			The consumed storage space of appliance %(appliance_id) is below 96% capacity.			
0x01C00203	CRITICAL	TRUE	TRUE	NAS appliance %(appliance_id) has exceeded the storage capacity threshold. NAS Server(s) and File System(s) entering Read only mode. Manually pause all the active NAS server replication session(s) if any.	Delete unwanted storage or add more storage to the appliance. Manually pause all the active NAS server replication session(s) if any. Manually resume "Paused" File Import sessions after the situation clears.	NAS data is available only for Read operations. All Active File Import sessions are Paused.	KB # 000175272
0x01C00204	INFO			NAS appliance %(appliance_id) data is available for Read and Write operations.			
0x01C00301	CRITICAL	TRUE	TRUE	Unable to place the NAS Server %(nas_server_name) into Read Only mode. Client Write operations will continue to consume more physical storage capacity.	Delete unwanted storage or add more storage to the appliance.	NAS appliance may run out of storage space and data may become unavailable.	KB # 000179618
0x01C00302	CRITICAL	TRUE	TRUE	Failed to set NAS Server %(nas_server_n	Contact your service provider for assistance.	NAS server data is not available for	KB # 000179618

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				ame) back to Read/Write mode.		client write operations.	
0x01C00303	INFO			The NAS Server %(nas_server_name) was successfully placed into Read Only mode.			
0x01C00401	MAJOR	TRUE		A scheduled file system %(file_system_name) snapshot has failed with error: %(error_message_key).	Contact your service provider if this issue persists.	Data protection may be impacted.	KB # 000179619
0x01C00402	INFO			Scheduled file system %(file_system_name) snapshot has completed successfully.			
0x01C00403	MAJOR	TRUE		A scheduled file system %(file_system_name) secure snapshot has failed with error: %(error_message_key).	Assign a protection policy that includes only non-secure snapshot rules.	The secure snapshot rule will not create any snapshots for the file system, so local protection will be degraded.	KB # 000221483
0x01C00501	CRITICAL	TRUE		File import session %(file_import_session_id) cannot be created because the import session limit has been reached.	Create a new session to run later, or re-schedule the existing session.	File import session cannot be created.	
0x01C00502	CRITICAL	TRUE		File import session id %(file_import_session_id) cannot transition from queued to in progress state.	Create a new session to run later, or re-schedule the existing session.	File import session will not start.	
0x01C00503	INFO			File import session id %(file_import_session_id) is scheduled.			
0x01C00504	INFO			File import session id %(file_import_session_id) is queued.			
0x01C00505	INFO			File import session id %(file_import_session_id) is in progress.			
0x01C00506	INFO			Scheduled job for file import session id %(file_import_session_id) is cancelled.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01C00507	INFO			Queued job for file import session id %(file_import_session_id) is cancelled.			
0x01C00508	MAJOR	TRUE		File import session %(file_import_session_id) cannot be queued because the system is in read only mode.	Resolve the existing alerts, and then retry the operation.	File import cannot be performed.	KB # 000197300
0x01C00601	CRITICAL			Could not pause file import session id %(file_import_session_id).	Review system alerts and take appropriate action. If the issue persists, contact your service provider.	File import session will fail with I/O errors.	KB # 000197300
0x01C00701	MAJOR	TRUE		Modifications to some of the publishing pools for the NAS server %(nas_server) failed.	Disable and then re-enable Events Publishing on the affected NAS server.	NAS server will not be able to send events to the publishing pools.	KB # 000197308
0x01C00702	INFO			Publishing pool(s) for NAS server %(nas_server) were modified successfully.			
0x01C00801	MAJOR	TRUE		Unable to create one or more publishing pools for the NAS server %(nas_server).	Disable and then re-enable Events Publishing on the affected NAS server.	NAS server will not be able to send events to the affected publishing pool(s).	KB # 000197308
0x01C00802	INFO			Publishing pool(s) for NAS server %(nas_server) were created.			
0x01C00901	MAJOR	TRUE		Unable to delete one or more publishing pools for the NAS server %(nas_server).	Disable and then re-enable Events Publishing on the affected NAS server.	NAS server may be sending events to the affected publishing pool(s).	KB # 000197308
0x01C00902	INFO			Publishing pool(s) for NAS server %(nas_server) were deleted.			
0x01C00A01	MAJOR	TRUE		Unable to modify events publisher for NAS server %(nas_server).	Disable and then re-enable Events Publishing on the affected NAS server.	NAS server will not be able to send events to the publishing pool(s).	KB # 000197308
0x01C00A02	INFO			Events publisher for NAS			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				server %(nas_server) was modified.			
0x01C00B01	MINOR	TRUE	TRUE	NAS management on node %(node_name) for volume %(volume_name e) is unavailable due to an internal fault.	Contact your service provider for assistance.	NAS servers and file systems I/O should not be affected if failed over to the peer node.	KB # 000197306
0x01C00B02	INFO			NAS management on node %(node_name) is operational.			
0x01C00C01	CRITICAL	TRUE	TRUE	NAS services are unavailable due to a fault on %(volume_name).	Contact your service provider for assistance.	All NAS servers and file systems are unavailable.	KB # 000197306
0x01C00C02	INFO			NAS services are restored.			
0x01C00D01	CRITICAL	TRUE	TRUE	NAS database and services are unavailable due to a fault on %(volume_name).	Contact your service provider for assistance.	All NAS servers and file systems are unavailable.	KB # 000197306
0x01C00D02	INFO			NAS services are restored.			
0x01C00E01	CRITICAL	TRUE		File system %(file_system_ name) is unavailable due to an internal fault.	Contact your service provider for assistance.	File system is unavailable.	KB # 000197306
0x01C00E02	INFO			File system %(file_system_ name) is recovered.			
0x01C00F01	MAJOR	TRUE		File import session %(file_import_s ession_id) failed to synchronize resources.	The system will automatically retry to synchronize. If the issue persists, contact your service provider.	Some or all imported NAS resources will not be visible on the system.	KB # 000197307
0x01C00F02	INFO			File import session id %(file_import_sessio n_id) is synchronized.			
0x01C01001	CRITICAL	TRUE	TRUE	Failed to set trickle write flag on internal root and/or config volume of NAS server.	Contact your service provider.	NAS Server might go down or panic affecting IO's when system enters out of storage space.	KB # 000200711
0x01C01002	INFO			Trickle write flag is successfully set on internal root and config volume of NAS server.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01C01101	CRITICAL	TRUE	TRUE	Failed to set trickle write flag on one or more internal NAS system volume.	Contact your service provider.	NAS management functionality would be impacted or NAS node might crash when system enters out of storage space.	KB # 000200711
0x01C01102	INFO			Trickle write flag is successfully set on internal NAS system volumes.			
0x01C01201	MAJOR	TRUE		Remote system with id %(remote_system) failed during discovery operation.	Verify the source remote system subcomponents health and their connectivity. Then perform discover operation again.	Some or all Importable NAS Servers shall not be visible on the system.	
0x01C01202	INFO			Remote System file discovery operation with id %(remote_system) is successful			
0x01C01301	INFO			The file interface is healthy.			
0x01C01302	MAJOR	TRUE	TRUE	The file interface is degraded due to %(object_name) is degraded.	Ensure that the bond/fsn ports are properly cabled to the data switches and Link Aggregation Control Protocol (LACP) is configured correctly.	File interface performance may be degraded.	KB # 000200709
0x01C01303	CRITICAL	TRUE	TRUE	The file interface is down due to %(object_name) is down.	Ensure that the bond/fsn ports are properly cabled to the data switches.	The file interface is down .	KB # 000200709
0x01C01304	MINOR	TRUE	TRUE	The file interface has been affected due to %(object_name) is down.	Ensure that the bond/fsn ports are properly cabled to the data switches.	Nas Server movement can be impacted due to file interface may down.	KB # 000200709
0x01C01305	MINOR	TRUE	TRUE	The file interface has been affected due to %(object_name) is degraded.	Ensure that the bond/fsn ports are properly cabled to the data switches.	Nas Server movement can be impacted due to file interface may down.	
0x01C01401	INFO			Successfully updated file system volume type.			
0x01C01402	MINOR	TRUE		Unable to update volume %(volume_id) type to tvol.	System will auto repair. If issue persists, then please contact support.	IO performance may be impacted.	
0x01C01501	INFO			Successfully removed the previous mapping.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01C01502	MINOR	TRUE		Failed to remove previous mapping of a file system volume %(volume_id).	System will auto repair. If issue persists, then please contact support.	IO performance may be impacted.	
0x01C01601	MINOR	TRUE		It is not allowed to modify the replication session for the session Id : %(id).	Update the rule in the policy. The rule for the policy must agree with the replication type, asynchronous or synchronous.	Replication rule will not be enabled for nas server session.	KB # 000221483
0x01C01602	INFO			Replication session %(id) can be modified.			
0x01C01701	MAJOR			The synchronous replication session associated with %(name) was not synchronized when DR failover was performed.	Not applicable.	Data loss has occurred because the replication session was not synchronized when the session failed over.	
0x01C01801	MAJOR			The synchronous replication session associated with %(name) had %(count) file systems that were not synchronized when DR failover was performed.	Not applicable.	Data loss has occurred because not all file system sessions were synchronized when the replication session failed over.	
0x01C01901	CRITICAL	TRUE	TRUE	RPO data sync scheduler enable failed for nas server replication session with id: %(id).	Application retries the operation in the background.	Data sync is not enabled for the replication session.	
0x01C01902	INFO			RPO data sync scheduler enable passed for nas server replication session with id: %(id).			
0x01C01A01	CRITICAL	TRUE	TRUE	Multiple SSD drives in NAS appliance %(appliance_id) have excessive wear. NAS Server(s) and file system(s) entering read-only mode.	Manually pause all of the active NAS server replication sessions(s) if any. Contact your service provider for assistance. Manually resume paused file import sessions after the situation is resolved.	NAS data is available only for read operations. All active file import sessions are paused.	KB # 000221483
0x01C01A02	INFO			NAS appliance %(appliance_id) data is available for			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				read and write operations.			
0x01C01B01	MINOR	TRUE		Could not assign protection policy %(protection_policy_id) to the NAS server imported via the file import session %(file_import_session_id)	Please assign the protection policy manually. If the issue persists, contact your service provider.	The imported NAS server does not have a protection policy assigned to it.	KB # 000197300
0x01C01B02	INFO			Successfully assigned protection policy %(protection_policy_id) to the Nas server.			
0x01C01C01	MINOR	TRUE		Policy with the same name already exists on the system : %(policy_name).	Please modify the file QOS policy name at the source nas server and retry.	File QoS policy will be applied to the replicated destination, there will be an inconsistency in configuration.	
0x01C01C02	MINOR	TRUE		File QOS rule with the same name already exists on the system : %(rule_name).	Please modify the file QOS rule name at the source nas server and retry.	File QoS rule will be applied to the replicated destination, there will be an inconsistency in configuration.	
0x01D00101	CRITICAL	TRUE	TRUE	All volumes in the volume family are offline due to metadata inconsistencies.	Contact your service provider.	Cluster read and write operations on the offline volumes will fail and management operations will be restricted.	KB # 000182001
0x01D00102	INFO			The volume is online.			
0x01D00201	CRITICAL		TRUE	An internal volume is offline due to metadata inconsistencies.	Contact your service provider.	Cluster read and write operations on the offline volume will fail and management operations will be restricted.	KB # 000182001
0x01D00202	INFO			The volume is online.			
0x01D00301	CRITICAL		TRUE	All volumes in the family enter offline	Bring down the appliance on which the volumes reside and run the recovery script.	Cluster I/O errors may be encountered on the	KB # 000200702

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				mode due to corruption of critical metadata.		offline volumes and all management operations will be restricted.	
0x01D00302	INFO			Critical metadata is recovered, volumes exit offline mode.			
0x01D00401	MAJOR	TRUE		Multipath settings for the volume may be out-of-date.	Contact your service provider if the alert persists.	IO performance of the volume may be impacted.	KB # 000207912
0x01D00402	INFO			Multipath settings for the volume are up-to-date			
0x01E00101	CRITICAL	TRUE	TRUE	All volumes in the virtual volume family are offline due to metadata inconsistencies.	Contact your service provider.	Cluster read and write operations on the offline virtual volumes will fail and management operations will be restricted.	KB # 000182001
0x01E00102	INFO			The virtual volume is online.			
0x01E00201	MAJOR	TRUE	TRUE	vVol rebind throttling request for command %(requester _id) failed with error: %(status)	Resend the request command. If the problem persists, contact your service provider.	vVol migrations may be impacted.	KB # 000182009
0x01E00301	MAJOR	TRUE	TRUE	vVol rebind throttling release for command %(requester _id) failed with error: %(status)	Resend the release command. If the problem persists, contact your service provider.	vVol migrations may be impacted.	KB # 000182009
0x01E00401	MAJOR	TRUE	TRUE	vVol rebind throttling request for command %(requester _id) failed with error: %(status)	Resend the request command. If the problem persists, contact your service provider.	vVol migrations may be impacted.	KB # 000207906
0x01E00402	INFO			vVol rebind throttling request for command %(requester _id) completed successfully			
0x01E00501	MAJOR	TRUE	TRUE	Released vVol rebind throttling command %(requester _id) failing with error: %(status)	Resend the release command. If the problem persists, contact your service provider.	vVol migrations may be impacted.	KB # 207906

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x01E00502	INFO			Released vVol rebind throttling command %(requester _id) successfully			
0x01E00601	MAJOR	TRUE	TRUE	NVMe vVol cutover path throttling request for command %(requester _id) failed with error: %(status)	Resend the request command. If the problem persists, contact your service provider.	vVol migrations may be impacted.	KB # 207906
0x01E00602	INFO			NVMe vVol cutover throttling request for command %(requester _id) completed successfully			
0x01E00701	MAJOR	TRUE	TRUE	Released NVMe vVol path throttling command %(requester _id) failing with error: %(status)	Resend the release command. If the problem persists, contact your service provider.	vVol migrations may be impacted.	KB # 000207906
0x01E00702	INFO			Released NVMe vVol path throttling command %(requester _id) successfully			
0x01E00801	MAJOR	TRUE		Replicated vVol %(vvol_name) %(vvol_naa_name) has read/write snapshots.	Replicated read/write vVol snapshots are no longer supported at this OS version. Unassign the protection policy for the vVol or remove the read/write snapshots.	All virtual machine snapshots may no longer be available after being failed over.	KB # 000221427
0x01E00802	INFO			All read/write vVol snapshots have been deleted or protection policies for the virtual volume were removed.			
0x02000101	MAJOR	TRUE		Refreshing the volume group %(volume_group _name) failed.	Restore the volume group from the backup snapshot (%(backup_snapset_name)) in order to restore the volume group to a consistent state. If an error caused the refresh to fail, resolve the error and try refreshing again. If the error persists, contact your service provider.	The data across all the volumes in the group may not be consistent.	KB # 000182010
0x02000102	INFO			The volume group %(volume_group			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				_name) was refreshed successfully.			
0x02000201	MAJOR	TRUE		Restoring the volume group %(volume_group _name) failed.	Restore the volume group from the backup snapshot (%(backup_snapset_name)) in order to restore the volume group to a consistent state. If an error caused the restore to fail, resolve the error and try restoring again. If the error persists, contact your service provider.	The data across all the volumes in the group may not be consistent.	KB # 000182010
0x02000202	INFO			The volume group %(volume_group _name) was restored successfully.			
0x02000301	MAJOR	TRUE		Refreshing the volume %(volume_nam e) failed due to error: %(error_messag e).	Check and resolve related alerts, then retry refreshing. If the refresh continues to fail, consider restoring the volume from the backup snapshot (%(backup_snapshot_name)).	The volume may be inconsistent until refreshing is successful.	KB # 000182010
0x02000302	MAJOR	TRUE		Refreshing the volume %(volume_nam e) failed due to error: %(error_messag e).	Check and resolve related alerts, then retry refreshing. If the error persists, contact your service provider for assistance.	The volume may be inconsistent until refreshing is successful.	KB # 207905
0x02000303	INFO			The volume %(volume_nam e) was refreshed successfully.			
0x02000401	MAJOR	TRUE		Restoring the volume %(volume_nam e) failed due to error: %(error_messag e).	Check and resolve related alerts, then retry restoring. If the restore continues to fail, consider restoring the volume from the backup snapshot (%(backup_snapshot_name)).	The volume may be inconsistent until successfully restored.	KB # 000182010
0x02000402	MAJOR	TRUE		Restoring the volume %(volume_nam e) failed due to error: %(error_messag e).	Check and resolve related alerts, then retry restoring. If the error persists, contact your service provider for assistance.	The volume may be inconsistent until successfully restored.	KB # 207905
0x02000403	INFO			The volume %(volume_nam			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				e) was successfully restored.			
0x02200101	INFO			The VASA provider status in the vCenter changed to "Online".			
0x02200102	CRITICAL	TRUE	TRUE	The VASA provider status in the vCenter changed to "Offline".	Ensure that there are no system errors in the Storage System, there are no issues on the vCenter Server side, no connectivity issues between Storage Array and vCenter and no certificate-related problems.	The system is unable to process VASA requests. Management operations on the vVol-based VMs are impacted.	KB # 000182011
0x02200103	MAJOR	TRUE		Failed to register the VASA provider in vCenter.	Check that PowerStore credentials used for VASA provider configuration are correct. Ensure that there are no issues on the vCenter Server side, no connectivity issues between Storage Array and vCenter and no certificate-related problems. The operation can be retried manually.	The system is unable to process VASA requests. Management operations on vVol-based VMs might be impacted.	KB # 000182011
0x02200104	INFO			The VASA provider was unregistered in vCenter.			
0x02200105	MAJOR	TRUE		VASA provider status is unavailable.	Check connectivity to vCenter and verify that the certificate is valid and trusted. If the certificate is invalid, in PowerStore Manager go to Compute > vCenter Server Connection and Update Configuration to accept the new vCenter SSL certificate.	VM inventory views and snapshot operations will be impacted. Management operations on vVol-based VMs may be impacted.	
0x02200201	INFO			The SSL connection to the vCenter %(vcenter_address) is ok.			
0x02200202	MAJOR	TRUE		Failed to connect to the vCenter %(vcenter_address) due to an SSL certificate mismatch.	In PowerStore Manager, go to Compute > vCenter Server Connection and Update Configuration to accept the new vCenter SSL certificate.	Connections to this vCenter are no longer active. VM inventory views and snapshot	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						operations will be impacted. Management operations on vVol-based VMs may be impacted.	
0x02200203	MINOR	TRUE		The certificate for vCenter %(vcenter_address) has expired as of %(expiration_date).	Renew the certificate in vCenter. Then, in PowerStore Manager, go to Compute > vCenter Server Connection and Update Configuration to accept the new vCenter SSL certificate.	This certificate will continue to be used.	
0x02200301	INFO			The SSL connection to the vCenter %(vcenter_address) is secure.			
0x02200302	MAJOR	TRUE		The SSL connection to vCenter %(vcenter_address) is not secure and requires certificate validation.	In PowerStore Manager, go to Compute > vCenter Server Connection, select Update Configuration, verify that the vCenter Certificate is valid, then complete the validation steps.	The current SSL connection to vCenter is enabled, but with a certificate that has not yet been validated. Certificate validation is important in order to guarantee a secure connection between PowerStore and vCenter.	
0x02200303	CRITICAL	TRUE	TRUE	The vCenter server certificate with id %(certId) and address %(vcenterAddress) expires on %(certExpiryDate).	Refresh the certificate from the vCenter and then update this renewed certificate in PowerStore by performing "Update configuration" action on the "vCenter Server Connection" page.	Security will be impacted, as the system continues to trust the expired certificate.	KB # 000242464
0x02200304	MINOR	TRUE		The vCenter server certificate with ID %(certId) and address %(vcenterAddress) expires on %(certExpiryDate).	Refresh certificate from the vCenter and then update this renewed certificate in PowerStore by performing "Update configuration" action on the "vCenter Server Connection" Page.	Security will be impacted once the certificate expires.	KB # 000242464
0x02200305	MAJOR	TRUE		The vCenter server certificate with ID %(certId) and address %(vcenterAddr	Refresh certificate from the vCenter and then update this renewed certificate in PowerStore by performing "Update configuration"	Security will be impacted once the certificate expires.	KB # 000242464

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				ess) expires on %(certExpiryDate).	action on the "vCenter Server Connection" Page.		
0x02200306	CRITICAL	TRUE	TRUE	The vCenter server certificate with ID %(certId) and address %(vcenterAddress) expires on %(certExpiryDate).	Refresh certificate from the vCenter and then update this renewed certificate in PowerStore by performing "Update configuration" action on the "vCenter Server Connection" Page.	Security will be impacted once the certificate expires.	KB # 000242464
0x02300101	INFO			The host configuration in PowerStore is consistent with the hosts configuration in vCenter.			
0x02300102	MAJOR	TRUE		The host configuration in PowerStore differs from the hosts %(vsphere_host_names) configured in vCenter.	Ensure host configuration on the PowerStore is consistent with the host configurations on vCenter.	VMware integration and vVol workflow issues may occur.	KB # 000182012
0x02300201	MINOR	TRUE		ESXi versions do not match on appliance internal hosts.	Update internal ESXi hosts in the appliance to run the same version.	Unexpected behavior may occur during system workflow.	
0x02300202	INFO			Appliance internal ESXi hosts run the same version.			
0x02300301	MINOR	TRUE		Appliances run different internal ESXi host versions.	Update internal ESXi hosts in the cluster to run the same version.	Unexpected behavior may occur during system workflow.	
0x02300302	INFO			All internal ESXi hosts in the cluster run the same version.			
0x02300401	MAJOR	TRUE		Appliance ESXi host network backup has failed.	Perform a manual backup of the ESXi host network using svc_repair --backup.	ESXi network restoration may be impacted if a current backup is not available.	KB # 000197411
0x02300501	MINOR	TRUE		ESXi internal host license will expire in %(days_until_expire) days on %(expiration_date).	Apply a permanent license to the ESXi host in vCenter.	Certain VMware features may be limited once the license expires.	
0x02300502	INFO			ESXi internal host is permanently licensed.			
0x02300503	INFO			ESXi internal host is running a ROBO license that expires			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				in %(days_until_expire) days at %(expiration_date).			
0x02300504	MINOR	TRUE		ESXi internal host is using an unsupported license.	Apply supported license to the ESXi host in vCenter.	Certain VMware features may be limited.	
0x02300601	MAJOR	TRUE		Appliance detected host partial connectivity. Please ensure host is properly connected to both nodes of the appliance.	The host must be properly connected to both nodes on the appliance.	When a host is in this state, a node failure could cause a data unavailable condition.	KB # 000221341
0x02300602	INFO			Host connectivity to appliance restored.	None.	None.	
0x02400101	MAJOR	TRUE		Unable to establish a connection with the remote syslog server Address:%(address_info) Port:%(port_number).	Verify the health of the server and network connectivity between PowerStore and the remote syslog server.	Logging to the affected server will not occur.	KB # 000182013
0x02400102	INFO			Connection established with remote syslog server Address:%(address_info) Port:%(port_number).			
0x02400103	INFO			Remote syslog server Address:%(address_info) Port:%(port_number) has been removed.			
0x02400104	INFO			Remote syslog server Address:%(address_info) Port:%(port_number) has been administratively disabled.			
0x02500101	INFO			Affinity configuration on the vCenter could not be performed.			
0x02600101	MINOR	TRUE		The number of volumes on this appliance has exceeded the minor usage threshold of %(alert_threshold) percent.	Delete volumes on this appliance.	If additional space is consumed and the quota is exhausted, no new volumes can be created.	KB # 000197412
0x02600102	MAJOR	TRUE		The number of volumes on this appliance has	Delete volumes on this appliance.	If additional space is consumed and the	KB # 000197412

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				exceeded the major usage threshold of %(alert_threshold) percent.		quota is exhausted, no new volumes can be created.	
0x02600103	INFO			The number of volumes on this appliance are below threshold values.			
0x02600104	CRITICAL	TRUE		The number of volumes on this appliance has exceeded the threshold of %(alert_threshold) percent.	Migrate volumes to another appliance, or delete volumes.	No new volumes can be created.	
0x02600201	MINOR	TRUE		The number of objects with fast metrics enabled has fifty or more objects out of a total threshold of one hundred objects per appliance.	No action required. Consider enabling additional fast metrics only on critical objects.	No system impact.	KB # 000221339
0x02600202	MAJOR	TRUE		The number of objects with fast metrics enabled on this appliance has reached the threshold of one hundred objects.	Reduce the number of objects with fast metrics enabled.	No additional fast metrics can be enabled on this appliance.	KB # 000221339
0x02600203	INFO			The number of fast metrics volumes enabled on this appliance is below the threshold.			
0x02600204	MINOR	TRUE		The number of fast metrics volumes enabled has reached 90 or more out of a total threshold of 100 per appliance.	Enable fast metrics only on select volumes, not to exceed 100 per appliance.	Enabling fast metrics on more than 100 volumes will not be allowed on this appliance.	
0x02600301	MINOR	TRUE		The combined number of volumes and virtual volumes in the cluster has exceeded the major threshold of %(alert_threshold) percent. The system	Delete any unwanted volumes or virtual volumes.	If additional space is consumed the system may experience performance issues.	KB # 000200717

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				will continue to operate normally, however contact your service provider for further assistance before creating new volumes or virtual volumes.			
0x02600302	MAJOR	TRUE		The combined number of volumes and virtual volumes in the cluster has exceeded the major threshold of %(alert_threshold) percent. The system will continue to operate normally, however contact your service provider for further assistance before creating new volumes or virtual volumes.	Delete any unwanted volumes or virtual volumes.	If additional space is consumed the system may experience performance issues.	KB # 000200707
0x02600303	INFO			The system is now under the recommended total number of volumes and virtual volumes.			
0x02600304	CRITICAL	TRUE		The number of volumes and virtual volumes in the cluster has exceeded the threshold of %(alert_threshold) percent.	Delete any unwanted volumes or virtual volumes.	No new volumes or virtual volumes can be created.	
0x02600401	MINOR	TRUE		The number of virtual volumes on this appliance has exceeded the usage threshold of %(alert_threshold) percent.	Consider removing virtual volumes or migrating to another appliance to maintain a threshold under %(alert_threshold) percent.	Once the virtual volume limit is reached, no new virtual volumes can be created.	KB # 000221340
0x02600402	MAJOR	TRUE		The number of virtual volumes on this appliance has exceeded the usage threshold of %(alert_threshold) percent.	Consider removing virtual volumes or migrating to another appliance to maintain a threshold under %(alert_threshold) percent.	Once the virtual volume limit is reached, no new virtual volumes can be created.	KB # 000221340
0x02600403	INFO			The number of virtual volumes on this			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				appliance is below threshold values.			
0x02600404	CRITICAL	TRUE		The number of virtual volumes on this appliance has exceeded the usage threshold of %(alert_threshold) percent.	Remove virtual volumes or migrate to another appliance.	No new virtual volumes can be created.	
0x02600501	MINOR	TRUE		The number of storage containers in this cluster has exceeded the threshold of %(alert_threshold) percent.	Delete storage containers on this cluster.	Once the storage container limit is reached, no new storage containers can be created.	
0x02600502	MAJOR	TRUE		The number of storage containers in this cluster has exceeded the threshold of %(alert_threshold) percent.	Delete storage containers on this cluster.	Once the storage container limit is reached, no new storage containers can be created.	
0x02600503	INFO			The number of storage containers in this cluster is below threshold values.			
0x02600504	CRITICAL	TRUE		The number of storage containers in the cluster has exceeded the threshold of %(alert_threshold) percent.	Delete storage containers on this cluster.	No new storage containers can be created.	
0x02600601	MINOR	TRUE		The number of snapshots in this cluster has exceeded the threshold of %(alert_threshold) percent.	Delete snapshots on this cluster.	Once the snapshot limit is reached, no new snapshots can be created.	
0x02600602	MAJOR	TRUE		The number of snapshots in this cluster has exceeded the threshold of %(alert_threshold) percent.	Delete snapshots on this cluster.	Once the snapshot limit is reached, no new snapshots can be created.	
0x02600603	INFO			The number of snapshots in this cluster is below threshold values.			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x02600604	CRITICAL	TRUE		The number of snapshots in the cluster has exceeded the threshold of %(alert_threshold) percent.	Delete snapshots on this cluster.	No new snapshots can be created.	
0x02600701	MINOR	TRUE		The number of virtual volume snapshots and fast clones on this appliance has exceeded the threshold of %(alert_threshold) percent.	Delete virtual volume snapshots on this appliance or migrate virtual volume to another appliance.	Once the virtual volume snapshot limit is reached, no new virtual volume snapshots can be created.	
0x02600702	MAJOR	TRUE		The number of virtual volume snapshots and fast clones on this appliance has exceeded the threshold of %(alert_threshold) percent.	Delete virtual volume snapshots on this appliance or migrate virtual volume to another appliance.	Once the virtual volume snapshot limit is reached, no new virtual volume snapshots can be created.	
0x02600703	INFO			The number of virtual volume snapshots and fast clones on this appliance is below threshold values.			
0x02600704	CRITICAL	TRUE		The number of virtual volume snapshots and fast clones on this appliance has exceeded the threshold of %(alert_threshold) percent.	Delete virtual volume snapshots on this appliance or migrate virtual volume to another appliance.	No new virtual volume snapshots can be created.	
0x02800101	INFO			Successfully created the internal server certificate for %(resource_name).			
0x02800102	MAJOR	TRUE		Failed to create the internal server certificate for %(resource_name).	Complete the NDU operation, then contact your service provider for assistance, or search for a KB article for resolution.	Internal communication may be impacted.	
0x02800201	MINOR	TRUE		The %(service) certificate with ID %(id) %(optionalMsg) expires on %(expiryDate).	%(repairFlow)	%(systemImpact)	KB # 000242461
0x02800202	MAJOR	TRUE		The %(service) certificate with ID %(id) %(optionalMsg	%(repairFlow)	%(systemImpact)	KB # 000242461

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				) expires on %(expiryDate).			
0x02800203	CRITICAL	TRUE	TRUE	The %(service) certificate with ID %(id) %(optionalMsg) expires on %(expiryDate).	%(repairFlow)	%(systemImpact)	KB # 000242461
0x02800204	CRITICAL	TRUE	TRUE	The %(service) certificate with ID %(id) %(optionalMsg) has expired on %(expiryDate).	%(repairFlow)	%(systemImpact)	KB # 000242461
0x02800205	MAJOR	TRUE		Some PowerStore Internal certificate has failed to auto-renew. The current certificate expires on %(expiryDate).	%(repairFlow)	%(systemImpact)	KB # 000242461
0x02800206	CRITICAL	TRUE	TRUE	Some PowerStore Internal certificate has failed to auto-renew. The current certificate expires on %(expiryDate).	%(repairFlow)	%(systemImpact)	KB # 000242461
0x02800207	INFO			The %(service) certificate with ID %(id) %(optionalMsg) has been renewed.			
0x02800208	INFO			The %(service) certificate with ID %(id) %(optionalMsg) has been deleted.			
0x02A00101	CRITICAL	TRUE		NAS service installation has failed.	Retry NAS feature enablement.	You will not be able to provision NAS-based storage resources because the NAS service is not available.	
0x02A00102	INFO			NAS installed successfully.			
0x02A00103	INFO			NAS configuration removed.			
0x02B00101	INFO			Control Path configuration on node %(node_id) of appliance %(appliance_id)			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				(%(dell_service_tag)) is healthy.			
0x02B00102	CRITICAL	TRUE		Control Path configuration on node %(node_id) of appliance %(appliance_id) (%(dell_service_tag)) has been tampered with.	Contact your service provider.	Control Path configuration is compromised.	KB # 000197309
0x02B00103	CRITICAL	TRUE		Intrusion detection scan for Control Path on node %(node_id) of appliance %(appliance_id) (%(dell_service_tag)) failed.	Contact your service provider.	Unable to detect whether the system has been compromised.	KB # 000197309
0x02B00201	INFO			Service configuration on node %(node_id) of appliance %(appliance_id) (%(dell_service_tag)) is healthy.			
0x02B00202	CRITICAL	TRUE		Service configuration on node %(node_id) of appliance %(appliance_id) (%(dell_service_tag)) has been tampered with.	Contact your service provider.	Service configuration is compromised.	KB # 000197309
0x02B00203	CRITICAL	TRUE		Intrusion detection scan for Service configuration on node %(node_id) of appliance %(appliance_id) (%(dell_service_tag)) failed.	Contact your service provider.	Unable to detect whether the system has been compromised.	KB # 000197309
0x02B00301	INFO			Base System Controller configuration on node %(node_id) of appliance %(appliance_id) (%(dell_service_tag)) is healthy.			
0x02B00302	CRITICAL	TRUE		Base System Controller configuration on node %(node_id) of	Contact your service provider.	Base System Controller	KB # 000197309

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				appliance %(appliance _id) (%(dell_service_tag)) has been tampered with.		configuration is compromised.	
0x02B00303	CRITICAL	TRUE		Intrusion detection scan for Base System Controller on node %(node_id) of appliance %(appliance _id) (%(dell_service_tag)) failed.	Contact your service provider.	Unable to detect whether the system has been compromised.	KB # 000197309
0x02B00401	INFO			File storage configuration on node %(node_id) of appliance %(appliance _id) (%(dell_service_tag)) is healthy.			
0x02B00402	CRITICAL	TRUE		File storage configuration on node %(node_id) of appliance %(appliance _id) (%(dell_service_tag)) has been tampered with.	Contact your service provider.	File storage configuration is compromised.	KB # 000197309
0x02B00403	CRITICAL	TRUE		Intrusion detection scan for file storage on node %(node_id) of appliance %(appliance _id) (%(dell_service_tag)) failed.	Contact your service provider.	Unable to detect whether the system has been compromised.	KB # 000197309
0x02B00501	INFO			Operating system configuration on node %(node_id) of appliance %(appliance _id) (%(dell_service_tag)) is healthy.			
0x02B00502	CRITICAL	TRUE		Operating system configuration on node %(node_id) of appliance %(appliance _id) (%(dell_service_tag))	Contact your service provider.	Operating system configuration is compromised.	KB # 000197309

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				has been tampered with.			
0x02B00503	CRITICAL	TRUE		Intrusion detection scan for operating system on node %(node_id) of appliance %(appliance _id) (%(dell_service_tag)) failed.	Contact your service provider.	Unable to detect whether the system has been compromised.	KB # 000197309
0x02C00101	MINOR	TRUE		SSH enabled.		Allows remote SSH access to your appliance.	
0x02C00102	INFO			SSH disabled.			
0x02C00201	MAJOR	TRUE		Security compliance modification has started on %(appliance_id).	Do not perform management operations on the cluster. Refer to the Security Configuration Guide for detailed information about the effects of Security Compliance modifications.	Cluster and appliance management operations are severely restricted.	KB # 000197418
0x02C00202	INFO			Security compliance modification completed on %(appliance_id).			
0x02C00203	CRITICAL	TRUE		Security compliance modification failed on %(appliance_id) due to %(compliance_modif ication_error_reason).	View the system alerts and resolve any outstanding issues. Refer to the related Knowledge Base article for detailed guidance. If issue persists, contact your service provider.	Cluster and appliance management operations are severely restricted. Security posture of the cluster may be inconsistent.	KB # 000197418
0x02C00301	MAJOR	TRUE		Local user "%(local_user)" has been set to bypass Multi Factor Authentication.	If needed, re-enable Multi Factor Authentication service for this local user.	A local user will not be authenticated with an Multi Factor Authentication service.	KB # 207904
0x02C00302	INFO			Local user "%(local_user)" has been reset to use Multi Factor Authentication.			
0x02C00401	MAJOR	TRUE		Failed to connect to RSA Authentication Manager for SecurID service.	Use a privileged account (without SecurID) to access the cluster and correct any SecurID and/or network configurations. Re-apply SecurID configuration to restart service.	All users without privilege to bypass SecurID will not be able to log in.	KB # 207904
0x02C00402	INFO			Successfully connected to RSA Authentication Manager.			

Alert and Event Messages

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x02C00501	MAJOR	TRUE		Multi Factor Authentication is disabled on the cluster.	If needed, enable Multi Factor Authentication on the cluster.	The cluster is more susceptible to security compromises.	KB # 000207952
0x02C00502	INFO			Multi Factor Authentication is enabled on the cluster.			
0x02C00601	CRITICAL	TRUE		CAC/PIV is not fully enabled on the cluster.	Complete the CAC/PIV enablement on the cluster from PowerStore Manager.	CAC/PIV is not fully configured.	KB # 000247122
0x02C00602	INFO			CAC/PIV is fully enabled on the cluster.			
0x02C00603	INFO			CAC/PIV has been removed from the cluster.			
0x02C00701	MAJOR	TRUE		Could not connect with SSO OIDC service %(oidc_name), client id %(client_id).	Use a non SSO method to log in and correct any OIDC configuration or network configuration issues.	User cannot log in through SSO.	
0x02C00702	INFO			Successfully connected to OIDC service %(oidc_name), client id %(client_id).			
0x02C00703	INFO			Successfully deleted OIDC service %(oidc_name), client id %(client_id).			
0x02C00704	INFO			Successfully disabled OIDC service %(oidc_name), client id %(client_id).			
0x02C00801	MAJOR	TRUE		Could not update the SSO preferred IP address as part of cluster IP change.	Use a non SSO method to log in and correct any OIDC configuration or network configuration issues.	User cannot log in through SSO.	
0x02C00802	INFO			Successfully updated the SSO preferred IP address.			
0x02C00901	MAJOR	TRUE		An SSO OIDC configuration internal error occurred.	Delete the SSO OIDC configuration. Create a new OIDC configuration. If the issue persists, contact your service provider.	User cannot log in through SSO.	
0x02C00902	INFO			SSO OIDC configuration check succeeded.			
0x02D00101	INFO			Successfully imported the			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				certificate %(certificate _import_message).			
0x02D00102	MINOR	TRUE		Certificate import for %(service) failed.	Retry importing the certificate.	No system impact.	
0x02D00103	CRITICAL	TRUE		Certificate import failed %(certificate_imp ort_message).	Verify health and connectivity to the remote system, then retry importing the certificate.	Connectivity to the remote system may be impacted.	KB # 000197413
0x03000102	INFO	TRUE		Follow the instructions in the Power control procedures appendix of the PowerStore Installation and Service Guide to power off Node %(node) on Appliance %(appliance). Do not pull the node until the node has been powered off.	To continue the upgrade process for this node, follow the instructions in the Power control procedures appendix of the PowerStore Installation and Service Guide for powering off the node.	Once the Node is powered off the appliance will be running in a degraded mode.	KB # 000200706
0x03000103	MINOR			%(hardware_upgrade_t ype) hardware upgrade on the appliance has failed to start due to: %(reason).	Check the system for errors, resolve, then retry the hardware upgrade.	Hardware upgrade cannot proceed.	
0x03000104	INFO	TRUE		Appliance %(appliance) , Node %(node) has been stopped. Do not pull the node until the node has powered off.	Do not pull the node until the node has been powered off. Then follow the instructions in the Data-in-place upgrades chapter of the PowerStore Installation and Service Guide to upgrade this node.	The appliance is running in a degraded mode.	
0x03000105	INFO	TRUE		%(hardware_upgrade_t ype) hardware upgrade of Node %(node) on Appliance %(appliance) completed successfully.	Please wait before upgrading the second node. The system will raise an alert when it is safe to continue.	Appliance hardware upgrade process is partially complete.	KB # 000200706
0x03000106	INFO			Hardware upgrade on the appliance has completed.			
0x03000107	MAJOR	TRUE	TRUE	%(hardware_upgrade_t ype) hardware upgrade has failed to complete.	Check for hardware-related alerts and take appropriate action. If the commit operation does not complete automatically, contact your service provider.	System cannot utilize the additional resources supported by the upgraded %(target_ type) nodes.	KB # 000207953
0x03000109	INFO	TRUE		Manual appliance power down is required.	Follow instructions as specified in Dell PowerStore Power Down and Reboot Procedures Guide.	Once the appliance is powered off, all storage and virtual capabilities of this	

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
						appliance will no longer be available.	
0x0300010A	MAJOR	TRUE		%(hardware_upgrade_type) hardware upgrade has failed. %(reason)	(1) Check for hardware-related alerts and take appropriate action. (2) Check if the correct type of node has been inserted and detected by the software. If an unexpected node model was inserted, power off the node and replace it with the correct type of node. (3) If the issue persists, follow the Data in place upgrades chapter of the Dell PowerStore Installation and Service Guide or contact your service provider.	Data availability and performance may be degraded.	KB # 207903
0x0300010B	INFO			%(hardware_upgrade_type) hardware upgrade rollback on the appliance has completed and the %(source_type) nodes are back in service.			
0x0300010C	MAJOR	TRUE		%(hardware_upgrade_type) hardware upgrade rollback of the appliance has failed.	The hardware upgrade rollback will fail to complete unless both source nodes are inserted in the appliance. If both source nodes are inserted, check for hardware-related alerts and take appropriate action. If the issue persists, contact your service provider.	System is in a degraded state.	KB # 207903
0x0300010E	MAJOR	TRUE		Appliance is not ready to upgrade the second node. The system is verifying the health of the appliance to determine when it is safe to continue the upgrade.	Check for hardware-related alerts and take appropriate action. If this event remains active for more than 10 minutes (40 minutes on an appliance with NAS servers), check for other alerts and resolve. If the issue persists, contact your service provider.	System has not completed the upgrade.	KB # 000207953
0x0300010F	INFO	TRUE		Appliance %(appliance), Node %(node) is initializing.			
0x03100101	INFO			Suspend the running command			
0x03100102	INFO			Abort the running command			

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x03300101	MAJOR	TRUE		Complete connection loss detected for witness service with name %(witness_name).	Verify the state and network connectivity of the witness, and restore to operation.	If an associated metro session fractures, the metro session's role (preferred or non-preferred) will determine which side of the metro session remains host accessible.	KB # 207902
0x03300102	MINOR	TRUE		Partial connection loss detected for witness service with name %(witness_name).	Verify the state and network connectivity of the witness, and restore to operation.	If an associated metro session fractures, the metro session's role (preferred or non-preferred) will determine which side of the metro session remains host accessible.	KB # 000207902
0x03300103	MAJOR	TRUE		Appliance connection loss detected for witness service with name %(witness_name). Disconnected appliances: %(disconnected_appliances)	Verify the state and network connectivity of the witness, and restore to operation.	For resources that reside on the disconnected appliances, if the metro session fractures, the session's role (preferred or non-preferred) will determine which side of the session remains host accessible.	KB # 207902
0x03300104	INFO			Connection established to witness service with name %(witness_name).			
0x03500101	INFO			Backup operation on %(resource_name) completed successfully.			
0x03500102	INFO			Backup operation on %(resource_name) was cancelled.			
0x03500103	MAJOR	TRUE		Backup operation on %(resource_name) failed.	Verify storage network connectivity. Refer to remote backup session status for more details.	The volume/volume group is not protected.	KB # 207901

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
0x03500201	INFO			Retrieve operation on %(resource_name) completed successfully.			
0x03500202	INFO			Retrieve operation on %(resource_name) was cancelled.			
0x03500203	MAJOR	TRUE		Retrieve operation on %(resource_name) failed.	Verify storage network connectivity. Refer to remote retrieve session status for more details.	The retrieval of remote snapshot did not complete.	KB # 207901
0x03500301	INFO			Remote %(type) session created successfully for %(resource_name).			
0x03500302	INFO			Failed to create remote %(type) session for %(resource_name).			
0x03500401	INFO			Remote %(type) session for resource %(resource_name) was deleted.			
0x03500402	MAJOR	TRUE		Failed to delete remote %(type) session for resource %(resource_name).	Check the the remote session state, active remote sessions cannot be deleted. Verify storage network connectivity to the remote system and retry.	Further Backup/Instant Access session for the resource will not be created until the session gets deleted.	KB # 207901
0x03500501	INFO			Remote snapshot %(remote_snapshot_name) for %(resource_name) was backed up successfully.			
0x03500502	INFO			Remote snapshot %(resource_name) was deleted/expired.			
0x03500503	MAJOR	TRUE		Failed to delete/expire remote snapshot %(resource_name).	Verify storage network connectivity to the remote system and retry.	No system impact.	KB # 207901
0x03500601	INFO			Cleanup of remote %(type) session on %(resource_name) completed.			
0x03500602	MAJOR	TRUE		Cleanup of remote %(type) session on %(resource_name)	Verify storage network connectivity with remote system and retry. Refer	No operation on the session will be allowed until the	KB # 207901

Event code	Severity	Alert raised	Call home	Message	Repair flow	System impact	KB article ID
				has failed %(count) times.	to remote snapshot session status for more details.	session status moves to an idle/completed/failed state.	
0x03500701	INFO			Instant Access for remote snapshot %(resource_name) is available.			
0x03500702	MAJOR	TRUE		Instant Access of remote snapshot %(resource_name) failed.	Verify storage network connectivity with remote system. Refer to remote session status for more details.	The remote snapshot of volume/volume group is inaccessible.	KB # 207901
0x03600101	INFO			Kubernetes cluster %(k8s_cluster_name) connection status changed to "Connected".			
0x03600102	MAJOR	TRUE		Failed to establish connection with Kubernetes cluster %(k8s_cluster_name).	Ensure that there are no system errors in the Storage System, there are correct Kubernetes credentials provided to the Storage System, no connectivity issues between Storage Array and Kubernetes cluster and no certificate-related problems.	The system is unable to track resources used by Kubernetes cluster.	
0x03700101	INFO			%(pd_ok_description)			
0x03700102	MINOR	TRUE		%(pd_minor_description)	%(pd_minor_repair_flow)	%(pd_minor_system_impact)	KB # 000193518
0x03700103	MAJOR	TRUE		%(pd_major_description)	%(pd_major_repair_flow)	%(pd_major_system_impact)	KB # 000193518
0x03700104	CRITICAL	TRUE	TRUE	%(pd_critical_description)	%(pd_critical_repair_flow)	%(pd_critical_system_impact)	KB # 000193518
0x03700105	MAJOR	TRUE	TRUE	%(pd_major_description)	%(pd_major_repair_flow)	%(pd_major_system_impact)	
Note: The messages marked with asterisk (*) are taken from the base event.							