upgrademgr events

ONTAP EMS reference

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upgrademgr events

upgrademgr.bm events

upgrademgr.bm.update.started

Severity

NOTICE

Description

This message occurs when the upgrade manager starts to update boot media of the node with the target ONTAP image. If a later version of BIOS or LOADER is installed on the boot media compared to what is available in the target ONTAP image, the upgrade manager will not copy BIOS and LOADER firmware from the target ONTAP image to the boot media.

Corrective Action

(None).

Syslog Message

Starting update of target ONTAP image to the boot media. Target ONTAP BIOS/LOADER version: %s/%s, boot media BIOS/LOADER version: %s/%s, forced update from bundle: %s, overwrite boot media: %s"

Parameters

target_ontap_bios_version (STRING): BIOS version in the target ONTAP image.
target_ontap_loader_version (STRING): LOADER version in the target ONTAP image.
bootmedia_bios_version (STRING): BIOS version on the boot media.
bootmedia_loader_version (STRING): LOADER version on the boot media.
force_update_from_bundle (STRING): Force update of BIOS and LOADER firmware using the versions bundled in the target ONTAP image. Values are "yes" or "no".
overwrite_bootmedia (STRING): Based on the version check of BIOS and LOADER on the boot media and target ONTAP image and force_update_from_bundle parameter, boot media is overwritten using the versions bundled in the image. Values are "yes" or "no".

upgrademgr.cmd events

upgrademgr.cmd.invoke.done

Severity

NOTICE

Description

This message occurs when the execution of the commands listed in the support file has completed.

Corrective Action

(None).

Syslog Message

The commands are invoked from the support file: %s

Parameters

command (STRING): Commands that are invoked from the support file when the automated nondisruptive upgrade (ANDU) has completed.

upgrademgr.cmd.invoke.start

Severity

NOTICE

Description

This message occurs when the support file is invoked by an automated nondisruptive upgrade (ANDU).

Corrective Action

(None).

Syslog Message

The commands are invoked from the support file: %s

Parameters

command (STRING): Commands that are invoked from the support file when the ANDU has started.

upgrademgr.fw events

upgrademgr.fw.monitor.end

Severity

NOTICE

Description

This message occurs when an automated nondisruptive upgrade (ANDU) completes the firmware update monitoring job.

Corrective Action

(None).

Syslog Message

ANDU firmware update monitoring job completed. Status: %s.

Parameters

status (STRING): Status of overall firmware monitoring job.

upgrademgr.fw.monitor.start

Severity

NOTICE

Description

This message occurs when an automated nondisruptive upgrade (ANDU) starts a firmware update monitoring job.

Corrective Action

(None).

Syslog Message

ANDU firmware update monitoring job started.

Parameters

(None).

upgrademgr.fw.unsupported

Severity

NOTICE

Description

This message occurs when an automated nondisruptive upgrade (ANDU) runs on a platform that does not have SP/BMC API support.

Corrective Action

(None).

Syslog Message

ANDU firmware update monitoring job skipped because "%s"

Parameters

reason (STRING): ANDU firmware monitoring is not supported on this platform.

upgrademgr.fw.update.fail

Severity

ERROR

Description

This message occurs when an automatic non-disruptive upgrade (ANDU) operation is paused due to a firmware update failure. The issue has to be resolved before the ANDU operation can continue.

Corrective Action

Contact NetApp technical support.

Syslog Message

ANDU firmware update failed for firmware component: %s. Status: %s.

Parameters

firmware_name (STRING): Firmware component whose update has failed.
status (STRING): Category of failure for the firmware component whose update has failed.

upgrademgr.lifmigrate events

upgrademgr.LIFmigrate.end

Severity

NOTICE

Description

This message occurs when an ONTAP automated nondisruptive upgrade (ANDU) of ONTAP finishes the data LIF migration or failover stage.

Corrective Action

(None).

Syslog Message

ANDU in "%s" mode finishes the LIF migration. Result: %s.

Parameters

mode (STRING): ONTAP ANDU is selecting nodes based on the "batch" or "rolling" upgrade mode.
result (STRING): Result of the LIF migrations - "Success" or "Failure".

upgrademgr.LIFmigrate.sfo

Severity

NOTICE

Description

This message occurs during an ONTAP automated nondisruptive upgrade (ANDU) of ONTAP in batch mode when a LIF migrated to the storage failover (SFO) partner rather than a destination node in another batch. This migration occurs because the selected destination node does not have network ports in the required broadcast domains.

Corrective Action

(None).

Syslog Message

LIF "%s" from node "%s" is migrated to SFO partner node "%s".

Parameters

lif_name (STRING): LIF being migrated.
source_node (STRING): Starting node of the LIF being migrated.
target_node (STRING): Target node of the LIF being migrated.

upgrademgr.LIFmigrate.start

Severity

NOTICE

Description

This message occurs when an ONTAP automated nondisruptive upgrade (ANDU) of ONTAP starts the data LIF migration or failover stage.

Corrective Action

(None).

Syslog Message

ANDU in "%s" mode starts data LIF migrations.

Parameters

mode (STRING): ONTAP ANDU selects nodes to migrate or failover data LIFs based on the "batch" or "rolling" upgrade mode.

upgrademgr.node events

upgrademgr.node.slowboot

Severity

NOTICE

Description

This message occurs when a cluster node takes more than 30 minutes to reach giveback ready state during automated nondisruptive upgrade.

Corrective Action

(None).

Syslog Message

Slow boot observed for node "%s" (duration: %d minutes).

Parameters

node (STRING): Name of node for which slow boot is observed.
duration (INT): Duration in minutes taken by the node to reach giveback ready state.

upgrademgr.node.slowWFG

Severity

NOTICE

Description

This message occurs when a cluster node has not reached "waiting for giveback" state within 30 minutes after a takeover during automated nondisruptive upgrade (ANDU).

Corrective Action

(None).

Syslog Message

Node "%s" is taking a long time to boot (elapsed time: %d minutes).

Parameters

node (STRING): Name of the node for which a slow boot operation is observed.
duration (INT): Duration in minutes waiting for the node to reach "waiting for giveback" state.

upgrademgr.node.updateDone

Severity

INFORMATIONAL

Description

This message occurs when an update of node is completed successfully.

Corrective Action

(None).

Syslog Message

(None).

Parameters

node (STRING): Node that successfully completed the update.

upgrademgr.package events

upgrademgr.package.imported

Severity

INFORMATIONAL

Description

This message occurs when a Data ONTAP® package is successfully imported into the cluster and processed by the upgrade manager’s package handler.

Corrective Action

(None).

Syslog Message

A Data ONTAP package "%s" with version "%s" was successfully imported into the package repository.

Parameters

package (STRING): Name of the imported package.
version (STRING): Version of the imported package.

upgrademgr.two events

upgrademgr.two.stage.started

Severity

NOTICE

Description

This message occurs when a two-stage version update starts on the cluster where the target release is two versions later than the current version. The cluster is upgraded to intermediate version first, and then upgraded to the target version.

Corrective Action

(None).

Syslog Message

Started two-stage Data ONTAP upgrade to target version "%s". Intermediate version: "%s".

Parameters

targetversion (STRING): Target Data ONTAP release version.
intermediateversion (STRING): Intermediate Data ONTAP release version.

upgrademgr.upc events

upgrademgr.upc.skip

Severity

NOTICE

Description

This message appears when the update preparedness job skips all update preparedness checks because an automated nondisruptive upgrade (ANDU) is currently in progress.

Corrective Action

(None).

Syslog Message

Skipping this upgrade preparedness check job execution cycle because a cluster upgrade is currently in progress.

Parameters

(None).

upgrademgr.update events

upgrademgr.update.cancelled

Severity

INFORMATIONAL

Description

This message occurs when the automated update of the cluster is canceled by the operator.

Corrective Action

(None).

Syslog Message

The automated update of the cluster has been canceled by the operator.

Parameters

(None).

upgrademgr.update.completed

Severity

INFORMATIONAL

Description

This message occurs when the automated update of the cluster is complete.

Corrective Action

(None).

Syslog Message

The automated update of the cluster is complete.

Parameters

(None).

upgrademgr.update.pausedErr

Severity

ERROR

Description

This message occurs when the automated update of the cluster is paused as a result of an error.

Corrective Action

Correct the cause of the error and then resume the update to continue the automated update of the cluster.

Syslog Message

The automated update of the cluster has been paused due to the following reason: %s

Parameters

pausedSummary (STRING): Summary of the event causing the paused update.

upgrademgr.update.pausedUser

Severity

INFORMATIONAL

Description

This message occurs when the automated update of the cluster is paused as a result of an operator request.

Corrective Action

Issue the "cluster image resume-update" command to continue the automated update of the cluster.

Syslog Message

The automated update of the cluster has been paused due to a request by the operator.

Parameters

(None).

upgrademgr.update.resumed

Severity

INFORMATIONAL

Description

This message occurs when the automated update of the cluster is resumed from the paused state.

Corrective Action

(None).

Syslog Message

The automated update of the cluster has been resumed by the operator.

Parameters

(None).

upgrademgr.update.started

Severity

NOTICE

Description

This message occurs when the upgrade manager begins an automated update of the cluster. By default, nodes that are already upgraded to the target version are skipped, except for MetroCluster configurations.

Corrective Action

(None).

Syslog Message

An automated update of the cluster has been started on nodes:%s. Skipped nodes:%s.

Parameters

nodestoUpgrade (STRING): Nodes that will be upgraded
nodesSkipped (STRING): Nodes that will be skipped, or "none" if all nodes need an upgrade, or "disabled - MetroCluster" if the cluster is a MetroCluster configuration, or "disabled" if the "-skip-nodes-at-target-version" parameter is set to false.

upgrademgr.update.timedOut

Severity

NOTICE

Description

This message occurs when the automated update of the cluster has not progressed for the last 5 hours.

Corrective Action

(None).

Syslog Message

The automated update of the cluster has not progressed for the last 5 hours. Reason: %s

Parameters

timeoutSummary (STRING): Summary of the event causing the update timeout.

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