



## **mgr events**

### **ONTAP 9.14.1 EMS reference**

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# mgr events

## mgr.avail events

### mgr.avail.stat.reset

**Severity**

NOTICE

**Description**

This message is emitted when statistics is reset

**Corrective Action**

(None).

**Syslog Message**

Availability statistics reset

**Parameters**

(None).

## mgr.boot events

### mgr.boot.bios\_backup\_flash

**Severity**

ERROR

**Description**

This message occurs when the system boots from its backup BIOS image because either it failed to boot from its primary BIOS image within the expected timeframe or the image is corrupted.

**Corrective Action**

Power-cycle the system. If the system still does not boot from the primary BIOS image, contact technical support for assistance.

**Syslog Message**

System boot from the primary BIOS flash image failed. system booted from the backup BIOS flash image.

**Parameters**

(None).

### mgr.boot.disk\_done

**Severity**

INFORMATIONAL

**Description**

This message is sent when a system completes disk boot.

**Corrective Action**

(None).

**Syslog Message**

%s boot complete. Last disk update written at %s

**Parameters**

**ver** (STRING): (long) version of the OS which just booted

**last\_write\_time** (STRING): time at which the previous OS last wrote to disk

**mgr.boot.floppy\_25\_7****Severity**

NOTICE

**Description**

This message is sent when a system completes a 25/7 boot.

**Corrective Action**

(None).

**Syslog Message**

%s floppy boot complete (after 25/7).

**Parameters**

**ver** (STRING): (long) version of the OS which just booted

**mgr.boot.floppy\_done****Severity**

INFORMATIONAL

**Description**

This message is sent when a system completes a plain old floppy boot.

**Corrective Action**

(None).

**Syslog Message**

%s floppy boot complete.

**Parameters**

**ver** (STRING): (long) version of the OS which just booted

**mgr.boot.floppy\_media****Severity**

EMERGENCY

**Description**

This message is sent when a system completes a bypass\_media boot.

**Corrective Action**

(None).

**Syslog Message**

%s floppy boot complete (with disk media errors bypassed).

**Parameters**

**ver** (STRING): (long) version of the OS which just booted

**mgr.boot.floppy\_prev\_cp****Severity**

INFORMATIONAL

**Description**

This message is sent when a system completes a prev\_cp boot.

**Corrective Action**

(None).

**Syslog Message**

%s floppy boot complete (after prev\_cp).

**Parameters**

**ver** (STRING): (long) version of the OS which just booted

**mgr.boot.mroot.done****Severity**

INFORMATIONAL

**Description**

This event marks the end of populating the mroot during the boot sequence; this event is generated immediately after the process of populating the mroot has completed.

**Corrective Action**

(None).

**Syslog Message**

(None).

**Parameters**

(None).

**mgr.boot.mroot.start**

**Severity**

INFORMATIONAL

**Description**

This event marks the start of populating the mroot during the boot sequence; this event is generated immediately before the process of populating the mroot begins.

**Corrective Action**

(None).

**Syslog Message**

(None).

**Parameters**

(None).

**mgr.boot.new\_OS2****Severity**

NOTICE

**Description**

This message is sent when a system boots with a different OS version from before, and the previous version is known.

**Corrective Action**

(None).

**Syslog Message**

This system is running a new version of %s (was %s, now %s)

**Parameters**

**osName** (STRING): The flavor of operating system (Data ONTAP or NetCache)

**oldOsVersion** (STRING): The previous OS version

**newOsVersion** (STRING): The new OS version

**mgr.boot.node.unstable****Severity**

ALERT

**Description**

This message occurs when a node does not reach a stable state within 5 minutes after system boot. The system will continue booting while waiting for a stable state. Under a takeover scenario, the node has to be stable for giveback to be completed.

**Corrective Action**

Run the "storage failover show" command for takeover status. If the issue persists, contact NetApp technical support for assistance.

### **Syslog Message**

The node has not reached a stable state within 5 minutes after system boot. Retries are in progress.

### **Parameters**

(None).

## **mgr.boot.oldOFW**

### **Severity**

ERROR

### **Description**

This message occurs when the system firmware is determined to be too old.

### **Corrective Action**

For more information about upgrading your system firmware, check your support provider's web site or knowledgebase.

### **Syslog Message**

The current system firmware version %s is too old. Upgrade to the minimum version %s or later.

### **Parameters**

**currentFW** (STRING): Current system firmware version.

**newFW** (STRING): Desired system firmware version.

## **mgr.boot.pmroot.done**

### **Severity**

INFORMATIONAL

### **Description**

This event marks the end of populating the pmroot during the boot sequence; this event is generated immediately after the process of populating the pmroot has completed.

### **Corrective Action**

(None).

### **Syslog Message**

(None).

### **Parameters**

(None).

## **mgr.boot.pmroot.start**

### **Severity**

INFORMATIONAL

### **Description**

This event marks the start of populating the pmroot during the boot sequence; this event is generated immediately before the process of populating the pmroot begins.

**Corrective Action**

(None).

**Syslog Message**

(None).

**Parameters**

(None).

**mgr.boot.process.hung****Deprecated**

Deprecated as of ONTAP 9.1. Last used in 9.0x.

**Severity**

ALERT

**Description**

This message occurs when a system detects an un-responsive process during system boot. The system will continue booting while waiting for the process to respond.

**Corrective Action**

Contact NetApp technical support to diagnose the issue further.

**Syslog Message**

The %s process is not responding. Error: %s

**Parameters**

**process** (STRING): The process that is hung.

**error** (STRING): An error message about the problem.

**mgr.boot.reason\_abnormal****Severity**

EMERGENCY

**Description**

This message is sent when a system boots for abnormal reasons (panic, watchdog, etc). The message contains the reboot reason.

**Corrective Action**

(None).

**Syslog Message**

%s

**Parameters**

**reboot\_reason** (STRING): reboot reason



## **mgr.boot.reason\_ok**

### **Severity**

NOTICE

### **Description**

This message is sent when a system boots for normal reasons (halt/reboot command, etc). The message contains the reboot reason.

### **Corrective Action**

(None).

### **Syslog Message**

%s

### **Parameters**

**reboot\_reason** (STRING): reboot reason

## **mgr.boot.unequalDist**

### **Severity**

ERROR

### **Description**

This message occurs during system initialization when the local system finds that the number of disks that it can use to create a partitioned root aggregate is different than on the partner node.

### **Corrective Action**

To create a system with an equal number of automatically partitioned disks on the local and partner systems: 1. Make sure that any failed disks in the internal shelf are replaced. 2. Remove ownership from all disks. The system automatically assigns one half of the disks to the local system and the other half to the partner node. To remove disk ownership, boot into maintenance mode and manually remove ownership by using the "disk remove\_ownership" command.

### **Syslog Message**

Warning: Unequal number of disks will be used for auto-partitioning of the root aggregate on the local system and HA partner. The local system will use %d disks but the HA partner will use %d disks. To correct this situation, boot both controllers into maintenance mode and remove the ownership of all disks.

### **Parameters**

**n\_local** (INT): Number of partitionable disks that are used by the local system.

**n\_partner** (INT): Number of partitionable disks that are used by the partner system.

## **mgr.module events**

### **mgr.module.address**

### **Severity**

NOTICE

## Description

This occurs to inform you of where kernel modules were loaded in memory. This information helps NetApp technical support interpret the data in any mgr.stack.frameaddr events.

## Corrective Action

(None).

## Syslog Message

Module %s loaded from 0x%llx - 0x%llx.

## Parameters

**module\_name** (STRING): Name of the module.  
**module\_start** (PTR): Starting address of the module.  
**module\_end** (PTR): Ending address of the module.

# mgr.partner events

## mgr.partner.stack.saved

### Severity

NOTICE

### Description

This event is generated after a successful cluster takeover caused by a partner panic, and indicates partner stack trace information was collected from the time of the panic. Partner stack trace information is saved in the node status area of the cluster mailbox disk

### Corrective Action

Generally when a panic occurs, if autosupport is configured a NetApp case is automatically created, case E-mail notifications are sent, and a point of contact at your site is contacted by NetApp technical support. If autosupport is not configured or if you are not sure a case was automatically created, contact NetApp technical support.

### Syslog Message

Cluster takeover has saved partner panic stack trace information for logging.

### Parameters

(None).

# mgr.stack events

## mgr.stack.at

### Severity

NOTICE

### Description

This message contains the panic string.

**Corrective Action**

(None).

**Syslog Message**

Panic occurred at: %s

**Parameters**

**time** (STRING): The time string

**mgr.stack.checkpoint****Severity**

NOTICE

**Description**

Logs the last checkpoint dumpcore crossed before failing.

**Corrective Action**

(None).

**Syslog Message**

Dumpcore failure: At checkpoint %d

**Parameters**

**checkpoint** (INT): (None).

**mgr.stack.frame****Severity**

NOTICE

**Description**

The stack frame: frame number, functionname, base, offset.

**Corrective Action**

(None).

**Syslog Message**

Stack frame %2d: %s(0x%llx) + 0x%x

**Parameters**

**frame** (INT): The frame number

**sym** (STRING): The symbolic name

**base** (PTR): The base address

**offset** (INTHEX): The offset

**mgr.stack.frameaddr****Severity**

NOTICE

**Description**

The stack frame: frame number, (no function name), base, offset.

**Corrective Action**

(None).

**Syslog Message**

Stack frame %2d: 0x%llx + 0x%x

**Parameters**

**frame** (INT): The frame number

**base** (PTR): The base address

**offset** (INTHEX): The offset

**mgr.stack.framebase****Severity**

NOTICE

**Description**

The stack frame: frame number, base address.

**Corrective Action**

(None).

**Syslog Message**

Stack frame %2d: 0x%llx

**Parameters**

**frame** (INT): The frame number

**base** (PTR): The base address

**mgr.stack.longrun.proc****Severity**

NOTICE

**Description**

The name of the process that hogged the cpu too long.

**Corrective Action**

(None).

**Syslog Message**

Long running process: %s

**Parameters**

**name** (STRING): The name of the process

## **mgr.stack.noFrames**

### **Severity**

NOTICE

### **Description**

This message is emitted when no stack frames are available. This is normal on platforms which do not support stack tracing, or when the prior release did not support stack trace.

### **Corrective Action**

(None).

### **Syslog Message**

No stack frames available

### **Parameters**

(None).

## **mgr.stack.proc**

### **Severity**

NOTICE

### **Description**

The name of the process that we took the panic in.

### **Corrective Action**

(None).

### **Syslog Message**

Panic in process: %s

### **Parameters**

**name** (STRING): The name of the process

## **mgr.stack.saved**

### **Severity**

NOTICE

### **Description**

This message indicates that we've saved panic information in the NV RAM.

### **Corrective Action**

(None).

### **Syslog Message**

Reboot with saved panic information in log file

### **Parameters**

(None).

## **mgr.stack.string**

### **Severity**

NOTICE

### **Description**

This message contains the panic string.

### **Corrective Action**

(None).

### **Syslog Message**

Panic string: %s

### **Parameters**

**string** (STRING): The panic string

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