



## **kern events**

### **ONTAP 9.14.1 EMS reference**

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# kern events

## kern.cron events

### kern.cron.dstError

**Severity**

ERROR

**Description**

This event is issued when the kernel cron daemon is unable to reschedule an internal process due to an error in handling of daylight savings time.

**Corrective Action**

(None).

**Syslog Message**

Daylight Saving Time change caused %s to be scheduled at an invalid time could not reschedule it, deleting further scheduling

**Parameters**

**owner** (STRING): The name of the process that was supposed to be scheduled

### kern.cron.reschedDst

**Severity**

NOTICE

**Description**

This event is issued when the kernel cron daemon reschedules an event to run at a newly scheduled time as a result of a daylight savings time change.

**Corrective Action**

(None).

**Syslog Message**

Daylight Savings Time change: rescheduling %s to run at %s

**Parameters**

**owner** (STRING): The name of the process that was scheduled

**time** (STRING): The text version of the time string at which the event was scheduled

## kern.log events

### kern.log.rotate

**Severity**

NOTICE

## Description

This event is issued when the system messages log is rotated to a new name. This event will be the first event in the new message file. When in takeover mode, this event is also issued for the partner node.

## Corrective Action

(None).

## Syslog Message

System %s (ID %s) is running %s

## Parameters

**hostname** (STRING): The host name of the appliance.

**serialno** (STRING): The serial number of the host.

**short\_version** (STRING): The short version string of the OnTap kernel, in the form 'NetApp Release NNNN'.

# kern.rc events

## kern.rc.errorMsg

### Severity

NOTICE

### Description

This event is issued when an error printf is issued by the kernel in the context of executing the `/etc/rc` file.

### Corrective Action

(None).

### Syslog Message

%s

### Parameters

**msg** (STRING): The text of the message

## kern.rc.msg

### Severity

NOTICE

### Description

This event is issued when a printf is issued by the kernel in the context of executing the `/etc/rc` file.

### Corrective Action

(None).

### Syslog Message

%s

## Parameters

**msg** (STRING): The text of the message

# kern.shutdown events

## kern.shutdown

### Severity

NOTICE

### Description

This event is issued to indicate a pending shutdown is underway.

### Corrective Action

(None).

### Syslog Message

System shut down because : "%s".

## Parameters

**type** (STRING): The type of shutdown (halt or reboot) that is underway.

## kern.shutdown.cantDeleteEntry

### Severity

ERROR

### Description

This event is issued when we detect that a halt or reboot is about to occur but a registry entry cannot be deleted

### Corrective Action

(None).

### Syslog Message

(None).

## Parameters

**key** (STRING): The registry key

# kern.syslog events

## kern.syslog.drops

### Severity

ERROR

### Description

This event is generated when we detect that syslog messages were dropped before being logged. Syslog messages may be dropped if one or more Data ONTAP subsystems are generating many syslog messages

over short period of time. That can be an indicator that those subsystems are experiencing problems that need to be resolved.

### Corrective Action

Look in the syslog messages file at the messages prior to this message. If they all seem to be coming from a common subsystem, it may indicate that there is a problem with that subsystem. Attempt to resolve the problem with that subsystem.

### Syslog Message

Dropped %d syslog messages starting at %s due to lack of internal log buffers

### Parameters

**numDrops** (INT): The number of messages that have been dropped.

**timestamp** (STRING): A timestamp that indicates the time when the syslog messages started being dropped.

## kern.syslog.msg

### Severity

NOTICE

### Description

This event is generated when a kernel syslog message is detected.

### Corrective Action

(None).

### Syslog Message

%s

### Parameters

**msg** (STRING): The text of the message

**vfilerName** (STRING): The name of the vfiler that generated the message

## kern.syslogd events

### kern.syslogd.error

### Severity

ERROR

### Description

This message occurs when an event is generated to log errors from the syslog daemon.

### Corrective Action

(None).

### Syslog Message

syslog daemon error %s.

## Parameters

**ErrMsg** (STRING): Specific error generated by the syslog daemon.

# kern.timezone events

## kern.timezone.change

### Severity

NOTICE

### Description

This message occurs when the configured time zone changes.

### Corrective Action

(None).

### Syslog Message

(None).

### Parameters

**old\_tz** (STRING): Previous time zone.

**old\_tz\_offset** (INT): Seconds east of UTC of the previous time zone.

**new\_tz** (STRING): New time zone.

**new\_tz\_offset** (INT): Seconds east of UTC of the new time zone.

# kern.uptime events

## kern.uptime.filer

### Severity

NOTICE

### Description

This message occurs to display the uptime status of the controller. Typically, this message is generated once per hour.

### Corrective Action

(None).

### Syslog Message

%s

### Parameters

**msg** (STRING): Text message describing the current status of the controller.

**secs** (LONGINT): Number of seconds since the controller was booted.

**nfsOps** (LONGINT): Number of NFS operations that have been performed.

**cifsOps** (LONGINT): Number of CIFS operations that have been performed.

**httpOps** (LONGINT): Number of HTTP operations that have been performed.

**fcpOps** (LONGINT): Number of FCP operations that have been performed.

**iscsiOps** (LONGINT): Number of iSCSI operations that have been performed.

**nvmeFcOps** (LONGINT): Number of NVMe/FC operations that have been performed.

**nvmeTcpOps** (LONGINT): Number of NVMe/TCP operations that have been performed.

**nvmeRoceOps** (LONGINT): Number of NVMe/RDMA over Converged Ethernet(RoCE) operations that have been performed.

## kern.version events

### kern.version.change

#### Severity

NOTICE

#### Description

This message occurs when you reboot your system with a version of the Data ONTAP® kernel that is different from the one you ran previously.

#### Corrective Action

(None).

#### Syslog Message

Data ONTAP kernel version was changed from %s to %s.

#### Parameters

**oldver** (STRING): Previous version of the Data ONTAP kernel.

**newver** (STRING): Current version of the Data ONTAP kernel.

## kern.vm events

### kern.vm.mmap.return

#### Severity

NOTICE

#### Description

This message occurs when an attempt to create a new mapping in the virtual address space of a process has failed.

#### Corrective Action

(None).

#### Syslog Message

mmap(2) by %s (pid %d) for size %ld failed: %s, limit %ld, error %d.

#### Parameters

**process\_name** (STRING): Name of the process with the failed attempt.

**process\_id** (INT): ID of the process with the failed attempt.

**size** (LONGINT): Size in bytes of the memory map attempt.

**message** (STRING): Details about the failed memory map attempt.

**limit** (LONGINT): Size in bytes of the process's virtual memory limit.

**errno** (INT): The error code returned to the process.



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