



## **vnvram events**

### ONTAP EMS reference

NetApp  
May 13, 2026

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# vnvram events

## vnvram.dma events

### vnvram.dma.long.wait

**Severity**

ALERT

**Description**

This message occurs when a vNVRAM flush operation on an ONTAP-v system is taking too much time. This can indicate back-end storage issues or an internal error. The system might also reboot.

**Corrective Action**

If the problem persists, check for back-end storage issues with the system disk.

**Syslog Message**

vNVRAM flush taking over %d seconds.

**Parameters**

`vnvr_wait_sec` (INT): Time in seconds for the vNVRAM flush operation.

## vnvram.flush events

### vnvram.flush.ems

**Severity**

NOTICE

**Description**

This message occurs when the write to the backing storage device for the EMS region of VNV RAM (virtual NVRAM) takes longer than 500 msec.

**Corrective Action**

(None).

**Syslog Message**

EMS region write to VNV RAM persistent storage took %d seconds.

**Parameters**

`vnvr_write_time` (LONGINT): Time in seconds taken for the EMS region write to persistent storage.

## vnvram.flushed events

### vnvram.flushed

**Severity**

NOTICE

## Description

This message occurs when the VNV RAM contents of any ONTAP-based virtual appliance that is not using full-mode VNV RAM, are written to the backing storage device. The writes would have occurred during either a clean or dirty shutdown.

## Corrective Action

(None).

## Syslog Message

Write to VNV RAM persistent storage is complete (%s) elapsed %d ms.

## Parameters

**vnvr\_reg** (STRING): Section of NVRAM that was written to the backing device.  
**flush\_time\_ms** (INT): Time taken to write the NVRAM section.

# vnvram.jswap events

## vnvram.jswap

### Severity

NOTICE

### Description

This message occurs whenever a journal swap event takes place.

### Corrective Action

(None).

### Syslog Message

%s journal swap to mode (%s) - %s: elapsed %d ms.

### Parameters

**jswap\_request\_type** (STRING): This was a dynamic request or manual swap request.  
**jswap\_type** (STRING): The type of journal swap (ephemeral memory or ephemeral disk).  
**jswap\_result** (STRING): The result of the journal swap operation.  
**jswap\_time\_ms** (INT): Time taken to write the NVRAM section.

## vnvram.jswap.failure

### Severity

ERROR

### Description

This message occurs whenever a NVLog journal swap fails.

### Corrective Action

(None).

### Syslog Message

%s NVLog journal swap (%s) - Failure: %s.

## Parameters

**jswap\_request\_type** (STRING): This was a dynamic, manual, or internal swap request.

**jswap\_type** (STRING): The type of NVLog journal swap operation being attempted.

**jswap\_reason** (STRING): The reason for the failure in the NVLog journal swap.

## vnvram.jswap.long

### Severity

ERROR

### Description

This message occurs when the NVLOG journal swap operation takes too long.

### Corrective Action

(None).

### Syslog Message

NVLog journal swap (%s) took too long: elapsed: %d sec.

## Parameters

**reason** (STRING): Reason for message.

**elapsed\_sec** (INT): Time elapsed in seconds.

## vnvram.jswap.mode

### Severity

NOTICE

### Description

This message occurs whenever the NVLog journal swap mode is updated.

### Corrective Action

(None).

### Syslog Message

NVLog journal swap mode set to %s.

## Parameters

**jswap\_mode** (STRING): The NVLog journal swap mode.

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