vnvram events

ONTAP EMS reference

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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 VNVRAM (virtual NVRAM) takes longer than 500 msec.

Corrective Action

(None).

Syslog Message

EMS region write to VNVRAM 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 VNVRAM contents of any ONTAP-based virtual appliance that is not using full-mode VNVRAM, 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 VNVRAM 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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