pn events

ONTAP EMS reference

NetApp
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pn.driver events

pn.driver.send.latency.high

Severity

NOTICE

Description

This message occurs when the pass-through network layer detects driver send latencies that are too high, indicating a noisy neighbor issue in cloud providers that is causing an I/O latency spike.

Corrective Action

(None).

Syslog Message

Pass-through network layer is reporting an average driver send latency of %d microseconds, which might cause an I/O latency spike.

Parameters

latency (INT): Average driver send latency in microseconds.

pn.mvia events

pn.mvia.driver.rtt.high

Severity

NOTICE

Description

This message occurs when the round-trip-time (RTT) measured in pass-through network layer exceeds predefined threshold.

Corrective Action

(None).

Syslog Message

The Ping RTT %d microseconds exceeded the predefined Ping RTT threshold %d microseconds. Average Ping RTT: %d microseconds. ARP RTT: %d microseconds.

Parameters

ping_rtt (INT): Ping RTT in microseconds.
ping_rtt_threshold (INT): The ping RTT threshold.
ping_rtt_avg (INT): Lifetime average of ping RTT.
arp_rtt (INT): Address Resolution Protocol (ARP) RTT in microseconds.

pn.mvia.freeq.empty

Severity

NOTICE

Description

This message occurs when the pass-through network layer depletes its supply of buffers for sending traffic, which could cause an Interconnect timeout.

Corrective Action

(None).

Syslog Message

Pass-through network layer free queue empty for %d msecs, which might cause Interconnect timeout.

Parameters

time (INT): Duration of depletion in msecs.

pn.mvia.nic.reset

Severity

NOTICE

Description

This message occurs when the passthrough network layer detects network interface card (NIC) state change caused by an NIC reset.

Corrective Action

(None).

Syslog Message

Passthrough network layer detected NIC %s has changed its operational state. New state: %s.

Parameters

nic_name (STRING): NIC name.
nic_state_change (STRING): NIC state change.

pn.mvia.send.starvation

Severity

NOTICE

Description

This message occurs when the pass-through network layer takes too long to execute the logic for sending traffic, which could cause an Interconnect timeout.

Corrective Action

(None).

Syslog Message

Pass-through network layer "send" thread not run for %d msecs, which might cause Interconnect timeout.

Parameters

time (INT): How long the pass-through network layer has not executed the logic for sending traffic.

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