NetApp Knowledge Base

Possible causes for high NFS latency

Applies to

- ONTAP 9
- Data ONTAP 7-Mode

Issue

- NFS resource not performing as quickly as expected
- Applications on a LInux host are timing out

Description

This document describes troubleshooting topics for low performance from NFS resources

Procedure

Network issues

[Network loss will cause retransmission of packets, an or complete failure to transmit packets, resulting in longer then expected operations](#)

[NAS protocols experience latency due to long round trip times](#)

ONTAP slowness

[Node hosting the LIF experiencing high workload](#)

Reference [NFS resource not performing as quickly as expected due to high workload on LIF](#) for troubleshooting steps.

[There is high Network Processing latency due to connections on a single TCP socket](#)

[How to troubleshoot performance issues in ONTAP 9](#)

[How to troubleshoot performance issues in Data ONTAP 8 7-mode](#)

Offbox issues

[Check for slow fpolicy or EAGAIN errors.](#)

[Check for LDAP issues.](#)

Client issues

[Linux may experience slowness if there are more files than 100,000 in a directory](#)

[Slowness on NFS clients with little or no latency from ONTAP](#)

[Bursty write append workloads impacting write latency on AFF](#)

Additional Information

N/A