



# Possible causes for high NFS latency



https://kb.netapp.com/Advice\_and\_Troubleshooting/Data\_Storage\_Software/ONTAP\_OS/Possible\_cau...

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## **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

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### **Description**

This document describes troubleshooting topics for low performance from NFS resources

#### **Procedure**

Network loss will cause retransmission of packets, an or complete failure to transmit

packets, resulting in longer then expected operations

Network issues

NAS protocols experience latency due to long round trip times

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.

**ONTAP** slowness

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.

Linux may experience slowness if there are more files than 100,000 in a directory

Client issues

Slowness on NFS clients with little or no latency from ONTAP

Bursty write append workloads impacting write latency on AFF

Additional Information
N/A