



Unix clients are unable to write files to an NFS share with NFSv3



https://kb.netapp.com/Advice_and_Troubleshooting/Data_Storage_Software/ONTAP_OS/Unix_clients_...

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Applies to

- ONTAP 9
- NFSv3

Issue

Unix clients are unable to write specific shares to NFS shares, although they can mount, traverse, read and write most files.

Cause

Applications writing to NFS shares may need to set locks on specific files. When using NFSv3, the clients must be able to connect with the storage controller over TCP ports 4045 and 4046, being the Network Lock Manager (NLM).

Solution

The preferred solution is to configure any firewall device in the middle to allow the clients to communicate with the storage controller over TCP ports 4045 and 4046.

Alternatively and as a workaround, the client can mount the volume/Qtree with the nolock options.

Additional Information

[Which Network File System \(NFS\) TCP and NFS UDP ports are used on the storage system?](#)