



What is a NFS op with the ONTAP operating system?



https://kb.netapp.com/Advice_and_Troubleshooting/Data_Storage_Systems/FAS_Systems/What_is_a...

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Applies to

- ONTAP 9
- Data ONTAP 8
- Data ONTAP 7-Mode
- NFS version 3

Answer

- A single Network File System operation (NFS op) is the combination of a NFS request from a client, and a NFS reply to the request from a server.
- In many cases, a single NFS call will generate several NFS operations.

Example:

If an NFS client were to lookup a directory named /home/netapp , two NFS ops may be generated to determine if the /home/netapp directory already exists:

1. NFS client performs a lookup of /home ; then the NFS server responds with the results.
 2. NFS client performs a lookup of /home/netapp ; then the NFS server responds with the results.
- The list of NFS ops available to the client, and the number of calls per op can be viewed with the following command:

```
MyMac:~ nfsstat
```

Getattr	Setattr	Lookup	Readlink	Read	Write
515	10	62	0	110	107
Create	Remove	Rename	Link	Symlink	Mkdir
20	9	0	0	0	4
Rmdir	Readdir	RdirPlus	Access	Mknod	Fsstat
0	55	24	17	0	77
Fsinfo	PathConf	Commit			
88	5	24			

- Refer to your own nfsstat manual page for additional information.

Additional Information

- For more information, see the [NFS Version 3 Protocol Specification](#)