



# Network Ports

## ONTAP 9

aherbin  
April 28, 2021

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# Network Ports

The following table lists the TCP ports and UDP ports that are used by ONTAP.

| Service      | Port/Protocol | Description                            |
|--------------|---------------|--|
| ssh          | 22/TCP        | Secure shell login                     |
| telnet       | 23/TCP        | Remote login                           |
| DNS          | 53/TCP        | Load Balanced DNS                      |
| http         | 80/TCP        | Hyper Text Transfer Protocol           |
| rpcbind      | 111/TCP       | Remote procedure call                  |
| rpcbind      | 111/UDP       | Remote procedure call                  |
| ntp          | 123/UDP       | Network Time Protocol                  |
| msrpc        | 135/UDP       | MSRPC                                  |
| netbios-ssn  | 139/TCP       | NetBIOS service session                |
| snmp         | 161/UDP       | Simple network management protocol     |
| https        | 443/TCP       | HTTP over TLS                          |
| microsoft-ds | 445/TCP       | Microsoft-ds                           |
| mount        | 635/TCP       | NFS mount                              |
| mount        | 635/UDP       | NFS Mount                              |
| named        | 953/UDP       | Name daemon                            |
| nfs          | 2049/UDP      | NFS Server daemon                      |
| nfs          | 2049/TCP      | NFS Server daemon                      |
| nrv          | 2050/TCP      | NetApp Remote Volume protocol          |
| iscsi        | 3260/TCP      | iSCSI target port                      |
| lockd        | 4045/TCP      | NFS lock daemon                        |
| lockd        | 4045/UDP      | NFS lock daemon                        |
| NFS          | 4046/TCP      | Network Status Monitor                 |
| NSM          | 4046/UDP      | Network Status Monitor                 |
| rquotad      | 4049/UDP      | NFS rquotad protocol                   |
| krb524       | 4444/UDP      | Kerberos 524                           |
| mdns         | 5353/UDP      | Multicast DNS                          |
| HTTPS        | 5986/UDP      | HTTPS Port - Listening binary protocol |
| https        | 8443/TCP      | 7MTT GUI Tool through https            |

| Service           | Port/Protocol     | Description                      |
|-------------------|-------------------|----------------------------------|
| ndmp              | 10000/TCP         | Network Data Management Protocol |
| Cluster peering   | 11104/TCP         | Cluster peering                  |
| Cluster peering   | 11105/TCP         | Cluster peering                  |
| NDMP              | 18600 - 18699/TCP | NDMP                             |
| cifs witness port | 40001/TCP         | cifs witness port                |
| tls               | 50000/TCP         | Transport layer security         |
| iscsi             | 65200/TCP         | ISCSI port                       |

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