



ONTAP port usage on a storage system

ONTAP System Manager

NetApp

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ONTAP port usage on a storage system

Overview

A number of well-known ports are reserved for ONTAP communications with specific services. Port conflicts will occur if a port value in your storage network environment is the same as on ONTAP port.

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 |

| Service | Port/Protocol | Description |
|-------------------|-------------------|--|
| 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 |
| 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 |

ONTAP internal ports

The following table lists the TCP ports and UDP ports that are used internally by ONTAP. These ports are used to establish intracluster LIF communication:

| Port/Protocol | Description |
|---------------|--------------------|
| 514 | Syslog |
| 900 | NetApp Cluster RPC |
| 902 | NetApp Cluster RPC |
| 904 | NetApp Cluster RPC |
| 905 | NetApp Cluster RPC |
| 910 | NetApp Cluster RPC |
| 911 | NetApp Cluster RPC |
| 913 | NetApp Cluster RPC |
| 914 | NetApp Cluster RPC |
| 915 | NetApp Cluster RPC |
| 918 | NetApp Cluster RPC |
| 920 | NetApp Cluster RPC |
| 921 | NetApp Cluster RPC |
| 924 | NetApp Cluster RPC |
| 925 | NetApp Cluster RPC |
| 927 | NetApp Cluster RPC |
| 928 | NetApp Cluster RPC |

| Port/Protocol | Description |
|---------------|---------------------------------|
| 929 | NetApp Cluster RPC |
| 931 | NetApp Cluster RPC |
| 932 | NetApp Cluster RPC |
| 933 | NetApp Cluster RPC |
| 934 | NetApp Cluster RPC |
| 935 | NetApp Cluster RPC |
| 936 | NetApp Cluster RPC |
| 937 | NetApp Cluster RPC |
| 939 | NetApp Cluster RPC |
| 940 | NetApp Cluster RPC |
| 951 | NetApp Cluster RPC |
| 954 | NetApp Cluster RPC |
| 955 | NetApp Cluster RPC |
| 956 | NetApp Cluster RPC |
| 958 | NetApp Cluster RPC |
| 961 | NetApp Cluster RPC |
| 963 | NetApp Cluster RPC |
| 964 | NetApp Cluster RPC |
| 966 | NetApp Cluster RPC |
| 967 | NetApp Cluster RPC |
| 5125 | Alternate Control Port for disk |
| 5133 | Alternate Control Port for disk |
| 5144 | Alternate Control Port for disk |
| 65502 | Node scope SSH |
| 65503 | LIF Sharing |
| 7810 | NetApp Cluster RPC |
| 7811 | NetApp Cluster RPC |
| 7812 | NetApp Cluster RPC |
| 7813 | NetApp Cluster RPC |
| 7814 | NetApp Cluster RPC |
| 7815 | NetApp Cluster RPC |
| 7816 | NetApp Cluster RPC |
| 7817 | NetApp Cluster RPC |

| Port/Protocol | Description |
|---------------|---|
| 7818 | NetApp Cluster RPC |
| 7819 | NetApp Cluster RPC |
| 7820 | NetApp Cluster RPC |
| 7821 | NetApp Cluster RPC |
| 7822 | NetApp Cluster RPC |
| 7823 | NetApp Cluster RPC |
| 7824 | NetApp Cluster RPC |
| 8023 | Node Scope TELNET |
| 8514 | Node Scope RSH |
| 9877 | KMIP Client Port (Internal Local Host Only) |

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