ONTAP port usage on a storage system

ONTAP 9

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.

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
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
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
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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