



# Verify IPv6 firewall entries

ONTAP 9

aherbin  
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A reversion from any version of ONTAP 9 might result in missing default IPv6 firewall entries for some services in firewall policies. You need to verify that the required firewall entries have been restored to your system.

1. Verify that all firewall policies are correct by comparing them to the default policies: `system services firewall policy show`

The following example shows the default policies:

```
cluster1::*> system services firewall policy show
Policy          Service      Action IP-List
-----
cluster
    dns          allow  0.0.0.0/0
    http         allow  0.0.0.0/0
    https        allow  0.0.0.0/0
    ndmp         allow  0.0.0.0/0
    ntp          allow  0.0.0.0/0
    rsh          allow  0.0.0.0/0
    snmp         allow  0.0.0.0/0
    ssh          allow  0.0.0.0/0
    telnet       allow  0.0.0.0/0
data
    dns          allow  0.0.0.0/0, ::/0
    http         deny   0.0.0.0/0, ::/0
    https        deny   0.0.0.0/0, ::/0
    ndmp         allow  0.0.0.0/0, ::/0
    ntp          deny   0.0.0.0/0, ::/0
    rsh          deny   0.0.0.0/0, ::/0
.
.
.
```

2. Manually add any missing default IPv6 firewall entries by creating a new firewall policy: `system services firewall policy create`

```
cluster1::*> system services firewall policy create -policy newIPv6
               -service ssh -action allow -ip-list ::/0
```

3. Apply the new policy to the LIF to allow access to a network service: `network interface modify`

```
cluster1::*> network interface modify -vserver VS1 -lif LIF1  
-firewall-policy newIPv6
```

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