



Changing the Configurable Ports available on a Nomadix Gateway

Purpose: Illustrate what steps are taken to configure ports to be used for DNS redirection, HTTP/HTTPS Web Management Interface (WMI), Telnet, SSH/SFTP and SNMP.

DNS Redirection:

1. Navigate to Configuration -> DNS
2. Change to a port already not in use between 1024 and 5000

Domain Name Service (DNS) Settings

Setup NSE presence in DNS

Host Name

Proxy UDP DNS Port

DNS Redirection Port Fixed Floating

DNSSEC Support Enabled

Note: Ports must be different and between 1024 and 5000.

(Floating port will be chosen randomly between 5001 and 65535.)

Telnet, Web Management and SSH/SFTP:

1. Navigate to Network Info -> Sockets, check to make sure port is not listed
2. Navigate to Configuration -> Access Control and change the port number(s)
3. Click on Save then Reboot to apply the change

Access Control

Configurable Ports Note: Make sure that the ports are not allocated already

| | |
|---------------|----------------------------------|
| Telnet Port | <input type="text" value="23"/> |
| HTTP Port | <input type="text" value="80"/> |
| HTTPS Port | <input type="text" value="443"/> |
| SSH/SFTP Port | <input type="text" value="22"/> |

NOTE: Port number changes require a reboot to be put into operational effect.



The following port numbers cannot be used:

- FTP port 21
- SSH port 22
- Telnet port 23 (WMI, DNS)
- SMTP port 25
- DHCP server port 67
- DHCP client port 68
- HTTP port 80 (Telnet, DNS)
- HTTPS port 443 (Telnet, DNS)
- NTP port 123
- NTP port 301
- SNMP trap port 162
- HTTPS port 443
- IKE port 500
- Syslog port 514
- DNS port 1025 (WMI, Telnet)
- DNS port 1026 (WMI, Telnet)
- DNS port 1027 (WMI, Telnet)
- DNS port 1028 (WMI, Telnet)
- DNS port 1029 (WMI, Telnet)
- Port 1111
- Port 1112
- RADIUS ports 1645, 1812
- RADIUS Acct ports 1646, 1813
- L2TP port 1701
- ICC port 2111
- Splash Page port 3111
- IPSec port 4500
- DAT'd ports
- Configured DNS ports (WMI, Telnet)
- Configured Passthrough port
- Configured RADIUS proxy port
- Configured Static Mapping port(s)



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SNMP: Change the SNMP Daemon Listening Port

SNMP Settings

Setup NSE remote administration by SNMP

| | |
|--------------------------------|---|
| SNMP Daemon | <input checked="" type="checkbox"/> Enabled |
| SNMP Daemon Listening Port | <input type="text" value="161"/> ⓘ |
| System Contact | <input type="text"/> |
| System Location | <input type="text"/> |
| Get (Read) Community | <input type="text" value="*****"/> |
| Set (Write) Community | <input type="text" value="*****"/> |
| Trap Community | <input type="text" value="public"/> |
| Trap Recipient IP | <input type="text" value="0.0.0.0"/> |
| DAT Trap Interval (15-600) sec | <input type="text" value="60"/> |
| Ethernet Link Traps | <input type="checkbox"/> Enabled |

Valid port range: 1 - 5000