



Changing the Configurable Ports available on a Nomadix

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

DNS Redirection:

1. Navigate to Configuration -> DNS
2. Change to a port already not in use between 1030 and 5000
3. Reboot

Domain Name Service (DNS) Settings

Setup AG 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.)



WMI and Telnet:

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 and Reboot to apply the change

Access Control Page 1

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"/>

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

Block Network-side Interfaces

Block Network-side Telnet Access	<input type="checkbox"/> Blocked	
Block Network-side Web Management Access (HTTP)	<input type="checkbox"/> Blocked	Note: This will terminate the current network-side session
Block Network-side Web Management Access (HTTPS)	<input type="checkbox"/> Blocked	
Block Network-side FTP Access	<input type="checkbox"/> Blocked	
Block Network-side SFTP Access	<input type="checkbox"/> Blocked	
Block Network-side SSH Shell Access	<input type="checkbox"/> Blocked	

Block Subscriber-side Interfaces

Block Subscriber-side Telnet Access	<input checked="" type="checkbox"/> Blocked	
Block Subscriber-side Web Management Access (HTTP)	<input checked="" type="checkbox"/> Blocked	Note: This will terminate the current subscriber-side session
Block Subscriber-side Web Management Access (HTTPS)	<input checked="" type="checkbox"/> Blocked	
Block Subscriber-side FTP Access	<input checked="" type="checkbox"/> Blocked	
Block Subscriber-side SFTP Access	<input checked="" type="checkbox"/> Blocked	
Block Subscriber-side SSH Shell Access	<input type="checkbox"/> Blocked	

General Protocol Restrictions and Allowances

Allow SSLv2 and SSLv3 (Note: TLS is always allowed)	<input type="checkbox"/> Enabled	! Important
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Source IP-based Access Control

Access Control	<input type="checkbox"/> Enabled	i
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IP Access Control List Management [Show>>>](#)



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 port 161
- 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)



SNMP:

SNMP Settings

Setup AG remote administration by SNMP

SNMP Daemon	<input checked="" type="checkbox"/> Enabled
SNMP Daemon Listening Port	<input type="text" value="161"/>  Valid port range: 1 - 5000
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