



NetVanta 2000 Series Technical Note

How to configure the NetVanta 2000 Series WAN / X1 Interface with Dynamic / DHCP IP address



This document is applicable to NetVanta 2600 series, 2700 series, and 2800 series units.

Feature/Application:

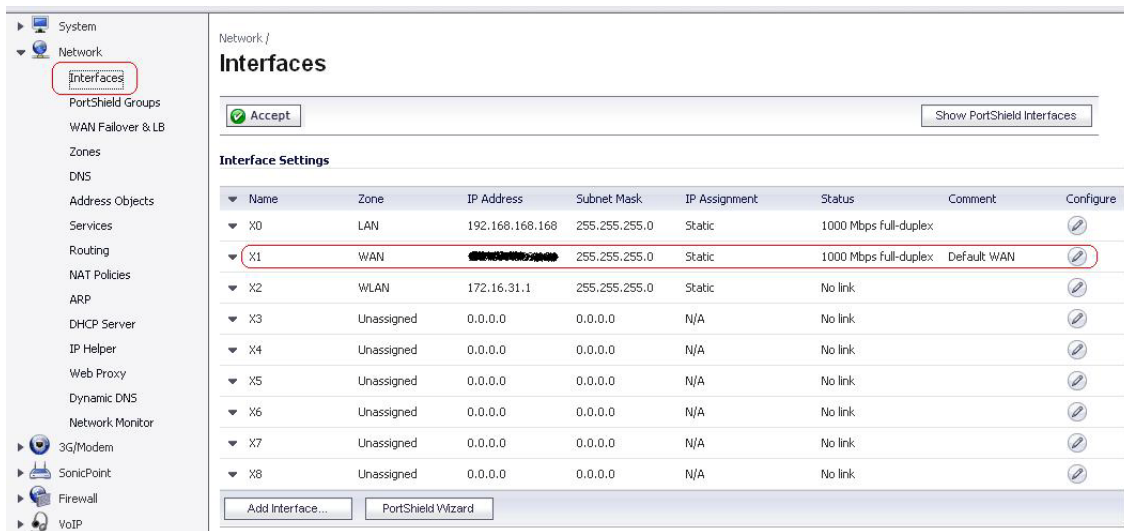
Configuring the NetVanta 2000 Series WAN interface (X1 by default) with Dynamic / DHCP IP address provided by the ISP. (Other WAN configuration: Static IP, PPPoE, PPTP or L2TP)

Procedure:

DHCP mode: Use this mode if the ISP is assigning a Dynamic IP address every time. To configure this mode:

1. Click the **Network > Interfaces** tab.
2. Click **Configure** for the WAN interface (X1 by default) , the Edit Interface window is displayed.

Procedure:



3. Under IP address, choose **DHCP** from the drop down menu.

4. Click **OK** and check to see if the settings have been updated.

5. Check whether you are getting a valid IP on the X1 interface

SONICWALL Network Security Appliance

General Advanced

Interface 'X1' Settings

Zone: WAN

IP Assignment: DHCP

Host Name:

Comment: Default WAN

Management: ☒ HTTP ☒ HTTPS ☒ Ping ☒ SNMP ☒ SSH

User Login: ☐ HTTP ☐ HTTPS

☐ Add rule to enable redirect from HTTP to HTTPS

☐ Request renew of previous IP on startup

IP Address: 0.0.0.0

Subnet Mask: 0.0.0.0

Gateway (Router) Address: 0.0.0.0

DNS Server 1: 0.0.0.0

DNS Server 2: 0.0.0.0

DNS Server 3: 0.0.0.0

Lease Expires:

Renew Release Refresh

Ready

OK Cancel Help

6. Click the **Release** button followed by the **Renew** button on the bottom of the page.

7. Click **OK** to update your configurations

How to test the connectivity:

1. On the NetVanta 2000 Series unit, Click **System > Diagnostics**. Choose Ping in the “Diagnostic utility” drop down in the Sonic OS Standard and Enhanced firmware. (In 6.x firmware Click Tools > Diagnostics).
2. Ping your ISP’s Default Gateway or any IP that is pingable on the Internet (e.g. 4.2.2.2).
3. Also try to ping a website (eg: www.google.com) to ensure that the DNS resolution is working.

Troubleshooting

1. On the NetVanta 2000 Series unit, under **Network > Interfaces** tab Check whether you are getting a valid IP address for X1
2. If you are not getting an IP address on the interface , try doing power recycle of the entire network by unplugging the power cable of the NetVanta 2000 Series unit and the modem .After 30 seconds plug in back the power cable of the modem first and after getting solid lights on the modem plug in back the power cable of the NetVanta 2000 Series unit.
3. Login to the NetVanta 2000 Series unit and check whether you are getting a valid IP on the WAN interface now. If not try clicking the renew button.