



NetVanta 2000 Series Technical Note

How to configure the NetVanta 2000 Series WAN / X1 Interface with Static 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 **Static IP** address provided by the ISP. (Other WAN configuration: DHCP, PPPoE, PPTP or L2TP)

Example:

In this article we are using the following IP addresses provided by the ISP:

WAN IP: 204.180.153.105

Subnet Mask: 255.255.255.0

Default Gateway: 204.180.153.1

DNS Server 1: 4.2.2.1

DNS Server 2: 4.2.2.2

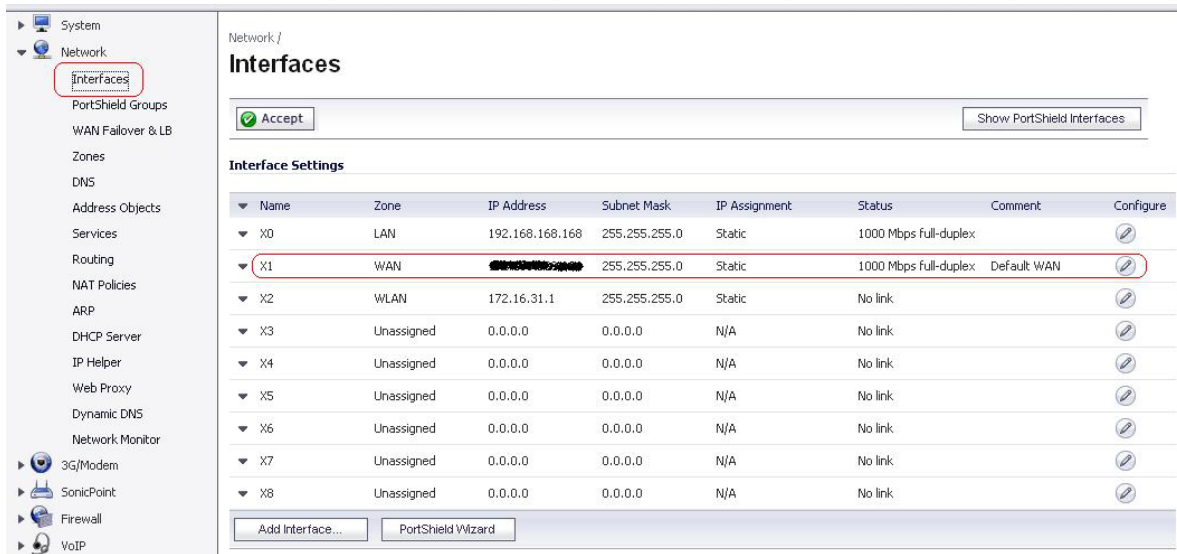
Procedure:

Static Mode: This mode is used if the ISP has assigned a static IP address. To configure this mode, follow these steps:

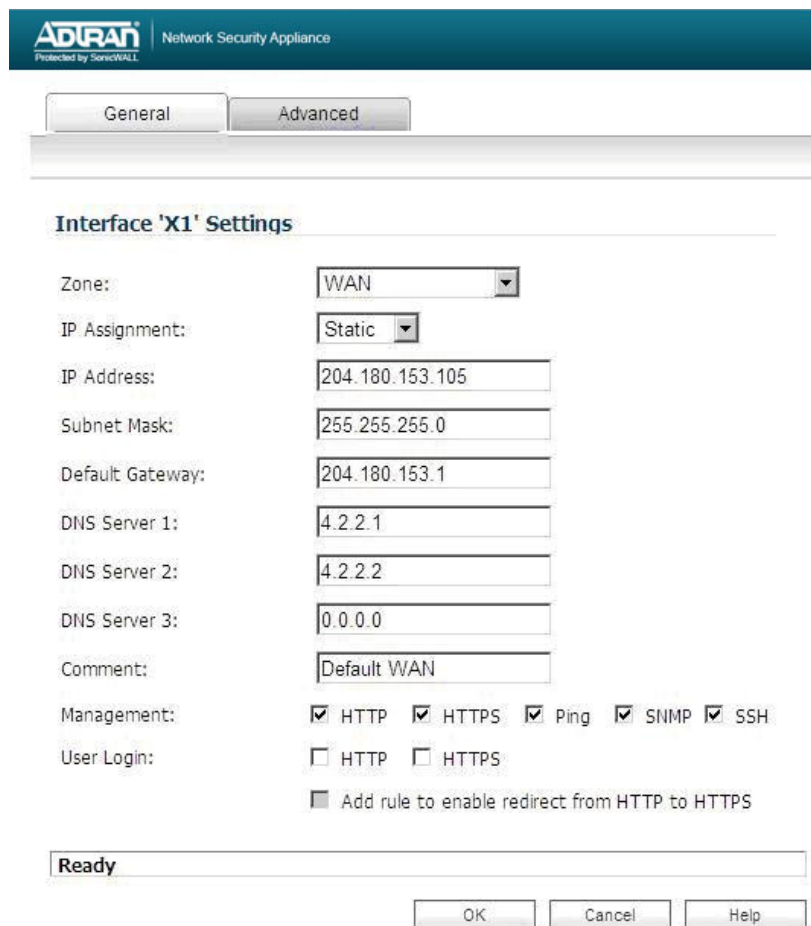
1. Login to the NetVanta 2000 Series Management Interface. (If you are configuring the NetVanta 2000 Series for the first time, the default Lan IP is <http://192.168.168.168>)
2. Click the **Network > Interfaces** tab.

Procedure:

3. Click **Configure** for the WAN interface (X1 by default.), the **Edit Interface** window is displayed.



4. Under IP address, choose **static** from the drop down menu. Enter the static **IP address** and **Subnet Mask** given by the ISP.



5. Enter the **Default Gateway** given by the ISP.
6. Under the **DNS server settings**, enter the **DNS server IP** address given by the ISP.
7. Click **OK** and check to see if the settings have been updated.

How to test the connectivity:

1. On the NetVanta 2000 Series, click **System > Diagnostics**. Choose **Ping** in the “**Diagnostic utility**” drop-down menu in SonicOS 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

* Try doing a power-cycle of the NetVanta 2000 Series 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.