

The Industry Standard in IT Infrastructure Monitoring

Purpose

This document describes how to setup your WatchGuard device and your Nagios XI server to allow for quick and easy monitoring of your WatchGuard device.

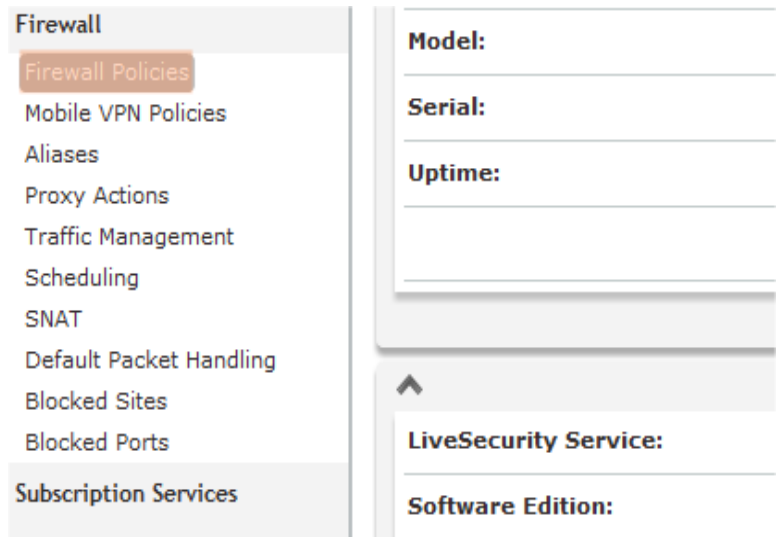
Target Audience

This document is intended for use by Nagios XI Administrators who have WatchGuard devices in their networks and want to monitor them.

Configure WatchGuard Device

First task that must be accomplished is the configuration of your WatchGuard device. The WatchGuard wizard utilizes SNMP to monitor the device so first we must enable SNMP on the WatchGuard device. Login to your WatchGuard device's web interface with admin privileges. If already have the WatchGuard device configured for SNMP feel free to skim this section.

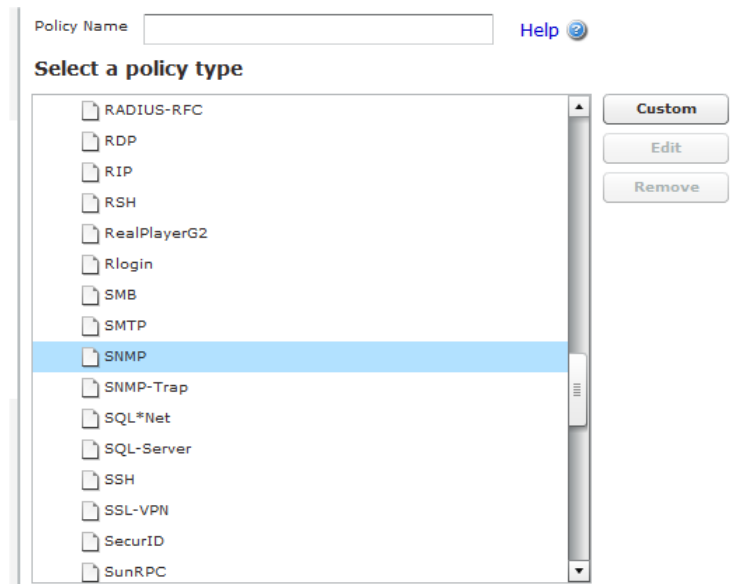
Select the "Firewall Policies" from the "Firewall" menu.



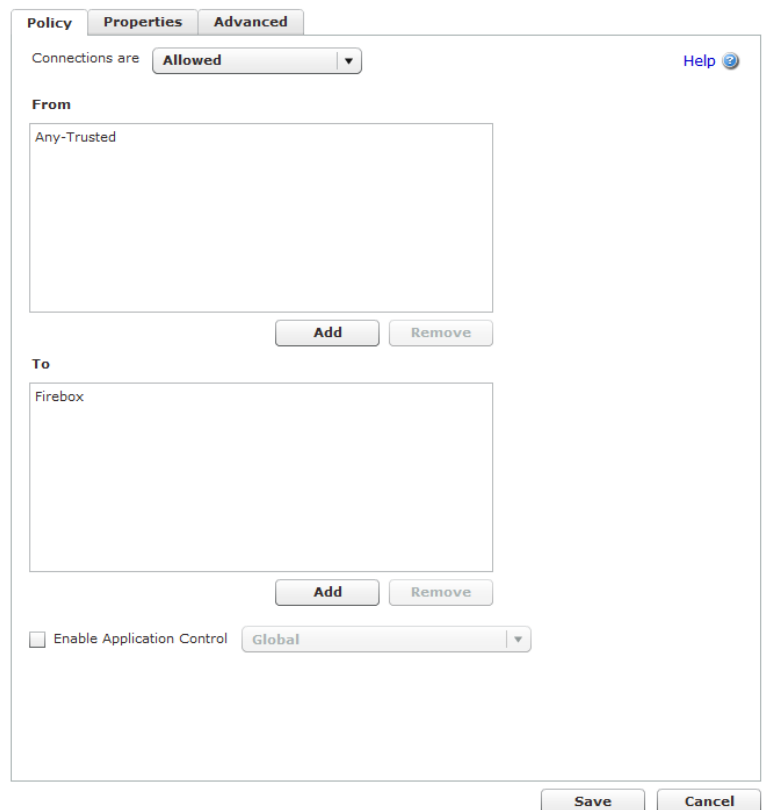
Select the green addition button



Under the “Packet Filters” folder find “SNMP” and select it. Once selected click the “Add Policy” button at the bottom.



Once at the next screen, you'll need to tell the WatchGuard which interface it can trust SNMP traffic on. For this example we switch the To: field to be only the Firebox. This way only the WatchGuard device can receive SNMP traffic.



Once configured be sure to click “Save”.

Once you've save that, navigate to the “SNMP” link under the “System” left menu header.

- System
- System
- Feature Key
- NTP
- SNMP**
- Managed Device

Once clicked, it will bring you to the SNMP configuration screen.

Be sure to specify you Community String and set an SNMP Management Station to that of your Nagios XI server by entering the IP of your Nagios XI server in the text field next to the add button and clicking “Add”.

Once satisfied with the input, click Save.

Now you're done with the WatchGuard configuration.

SNMP Settings

Version: v1/v2c

Community String: private

User Name: []

Authentication Protocol: MD5

Password: []

Confirm: []

Privacy Protocol: None

Password: []

Confirm: []

SNMP TRAPS

Version: v1Trap

SNMP Management Stations

IP Address
192.168.5.74
192.168.5.190

[] [Add] [Remove]

[Save] [Reset]

Running The Configuration Wizard

Nagios XI comes equipped with a Configuration Wizard for WatchGuard devices. To begin using the WatchGuard wizard navigate via the top menu bar to **Configure > Run a configuring wizard**, and select the **WatchGuard** wizard. In the following screenshot you can see how the search field allows you to quickly find a wizard.

Nagios XI Home Views Dashboards Reports **Configure** Tools Help Admin

Configuration Wizards - Select a Wizard

Show: WatchGuard

WatchGuard
Monitor a WatchGuard device.

On Step 1 you will be asked to supply the **address** of the WatchGuard device you want to monitor.

You will have to provide the appropriate **SNMP Settings**.

There are some additional options for the port monitoring which can be defined as required.

Click **Next** to proceed to step 2.

Configuration Wizard: WatchGuard - Step 1

WatchGuard Information

IP Address:
The IP address of the WatchGuard device you'd like to monitor.

Port:
The access port of the WatchGuard device

SNMPv1 SNMPv2c SNMPv3

SNMP Community:
The SNMP community string required used to to query the WatchGuard device.

Monitoring Options

Monitor Using:
Select the port naming scheme that should be used.

Scan Interfaces: Scan the WatchGuard device to auto-detect interfaces that can be monitored for link up/down status and bandwidth usage. The scanning process may take several seconds to complete.

Value Defaults

Input Rate: <input type="text" value="50"/> %	Input Rate: <input type="text" value="80"/> %
Output Rate: <input type="text" value="50"/> %	Output Rate: <input type="text" value="80"/> %

Default Port Speed: bytes/second

On Step 2 of the Wizard you need to provide a Host Name.

Configuration Wizard: WatchGuard - Step 2

WatchGuard device Details

WatchGuard Address:

Host Name:
The name you'd like to have associated with this WatchGuard device.

Under the Services section you are provided with a list of the different monitoring metrics available for a WatchGuard device.

If you do not want to monitor a specific metric simply **un-check** the box for that option.

Services

Specify which services you'd like to monitor for the WatchGuard device.

- Ping**
Monitors the WatchGuard device with an ICMP ping. Useful for watching network latency.
- CPU Usage**
Monitors the Watchguards CPU usage.
⚠️ % 🚫 %
- Active Connections**
Checks the active connections that the WatchGuard device is servicing.
⚠️ 🚫
- Total Sent Packets**
Checks the total number of packets sent by the WatchGuard device.
⚠️ packets/sec 🚫 packets/sec
- Total Received Packets**
Checks the total number of packets received by the WatchGuard device.
⚠️ packets/sec 🚫 packets/sec
- Stream Requests**
Checks the total number of stream requests received by the WatchGuard device.
⚠️ requests/sec 🚫 requests/sec
- Stream Requests Dropped**
Checks the total number of stream requests dropped by the WatchGuard device.
⚠️ drops/sec 🚫 drops/sec
- Total Bytes Sent**
Checks the total number of bytes sent by the WatchGuard device.
⚠️ Kbps 🚫 Kbps
- Total Received Bytes**
Checks the total number of bytes received by the WatchGuard device.
⚠️ Kbps 🚫 Kbps

More options continued on the next page.

At the bottom of the screen is the Bandwidth and Port Status section. Here is where you can specify which ports you would like to monitor, what the warning/critical thresholds are.

Bandwidth and Port Status

Select the ports for which you'd like to monitor bandwidth and port status. You may specify an optional port name to be associated with specific ports.

Port Check / Uncheck	Port Name	Max Speed	Service Description	Bandwidth Check / Uncheck	Port Status Check / Uncheck
<input checked="" type="checkbox"/> Port 2	eth0	100.00 Mbps	Port 2	<input checked="" type="checkbox"/> Rate In:Rate Out: Rate In:Rate Out: Warning: 500 500 Critical: 800 800 Mbps	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Port 3	eth1	100.00 Mbps	Port 3	<input checked="" type="checkbox"/> Rate In:Rate Out: Rate In:Rate Out: Warning: 50 50 Critical: 80 80 Mbps	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Port 4	eth2	100.00 Mbps	Port 4	<input checked="" type="checkbox"/> Rate In:Rate Out: Rate In:Rate Out: Warning: 50 50 Critical: 80 80 Mbps	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Port 5	eth3	100.00 Mbps	Port 5	<input checked="" type="checkbox"/> Rate In:Rate Out: Rate In:Rate Out: Warning: 50 50 Critical: 80 80 Mbps	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Port 6	eth4	100.00 Mbps	Port 6	<input checked="" type="checkbox"/> Rate In:Rate Out: Rate In:Rate Out: Warning: 50 50 Critical: 80 80 Mbps	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Port 7	eth5	100.00 Mbps	Port 7	<input checked="" type="checkbox"/> Rate In:Rate Out: Rate In:Rate Out: Warning: 50 50 Critical: 80 80 Mbps	<input checked="" type="checkbox"/>

[← Back](#) [Next >](#)

The Port column allows you to de-select any ports that aren't being used on the WatchGuard device.

You can rename each port to be more descriptive than the default of *Port x*.

If you are not concerned with the bandwidth monitoring you can un-check the box for that port in the **Bandwidth** column. In this column you also define the warning and critical thresholds for the in/out rate.

If you are not concerned with the port status (Administratively Down/Up/Down) you can un-check the box for that port in the **Port Status** column.

Once you've finished selecting all the items you wish to monitor click **Next** and then complete the wizard by choosing the required options in Step 3 – Step 5.

To finish up, click on **Finish** in the final step of the wizard. This will create the new hosts and services and begin monitoring.

Once the wizard applies the configuration, click the **View status details for xxxxx** link to see the new host and services that were created.

This completes configuring Nagios XI to monitor a WatchGuard device.

Finishing Up

That's it! If you followed all the steps in these instructions, you should now be monitoring your WatchGuard device.

If you have additional questions or other support related questions, please visit us at our Nagios Support Forums:

<https://support.nagios.com/forum>