How to Monitor Prometheus with Nagios XI 2024

Purpose

This document describes how to monitor Windows and Linux systems running Prometheus Data Exporters with Nagios XI. The Prometheus Wizard was introduced in Nagios XI 2024R1.4.4.

Installing the Prometheus Data Exporters

In order to monitor Prometheus data in Nagios XI, you will need to install either a Windows or Linux data exporter on the target host.

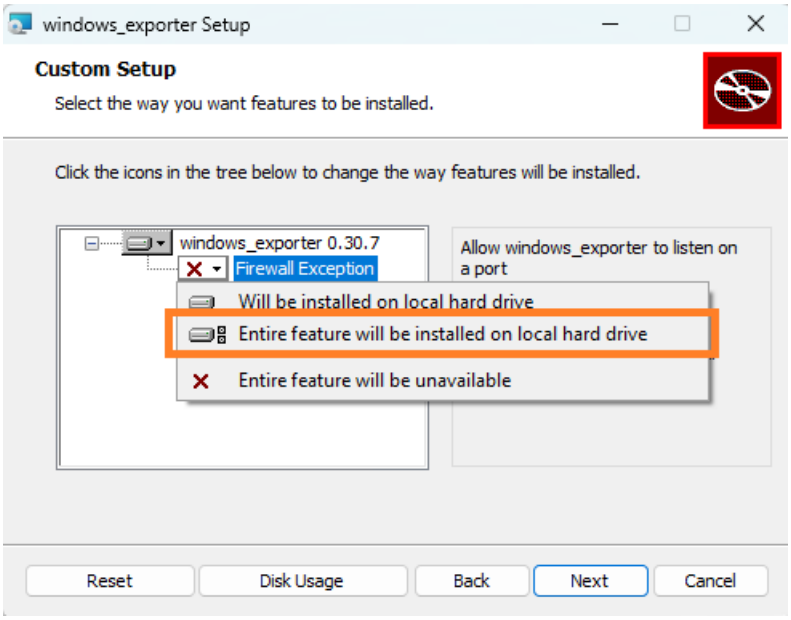
Installing the Windows Exporter from Prometheus Community GitHub onto a Windows Host

1. Download the latest version from GitHub.

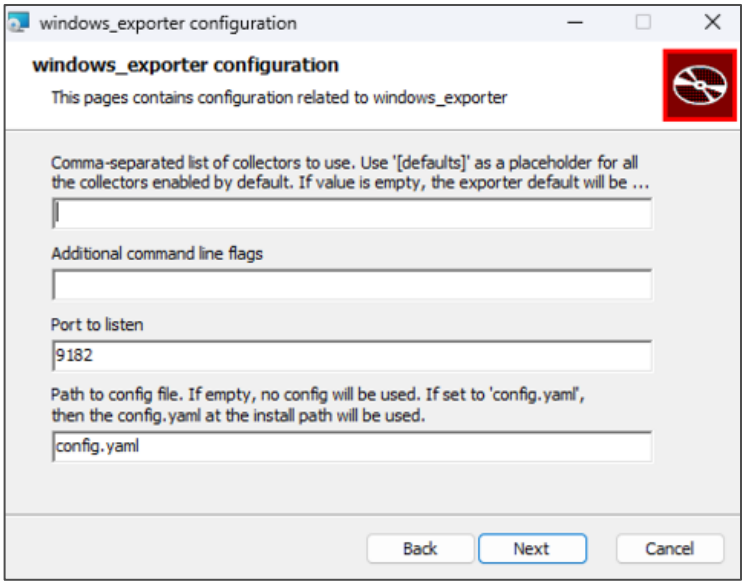
- Go to https://github.com/prometheus-community/windows_exporter/releases
- Look for the latest release and download the `amd64.msi` file

2. Run the installer.

3. In the initial **Custom Setup** section, choose *Entire feature will be installed on local hard drive* under **Firewall Exception**. This will add an inbound permission for the Exporter listening port.



4. Click all the options that say **Next** or **Proceed** in the installer. You do not need to change or add any other information for the Nagios XI Prometheus Wizard to work, you can simply keep the defaults.



5. After installation, you can confirm it is up and running by going to the URL:

```
http://<HOST_IP>:9182/metrics
```

The page will look like this:

With the above steps completed, your Windows system is now properly configured for monitoring, and you're ready to move on to Using the Prometheus Wizard.

Installing the Linux Exporter

1. Download the latest version from the command line

- Go to https://prometheus.io/download/#node_exporter
- Right click the Linux download link and select **Copy Link** to get exactly what you need to enter in the below `wget` command.
- On your Linux host, open the terminal
- Run the following command, replacing the URL with the one you fetched (note this is a single command) :

```
wget https://github.com/prometheus/node_exporter/releases/download/v<VERSION>/node_exporter-<VERSION>.<OS>-<ARCH>.tar.gz
```

2. Run Node Explorer

- Run the following commands:

```
tar xvfz node_exporter-*.*-amd64.tar.gz

cd node_exporter-*.*-amd64

./node_exporter
```

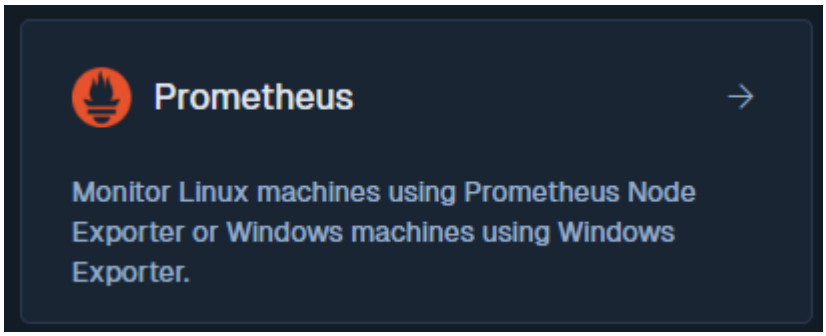
With these above steps completed, your Linux host is ready for monitoring and you're ready to move on to using the Prometheus Configuration Wizard.

Using the Prometheus Configuration Wizard

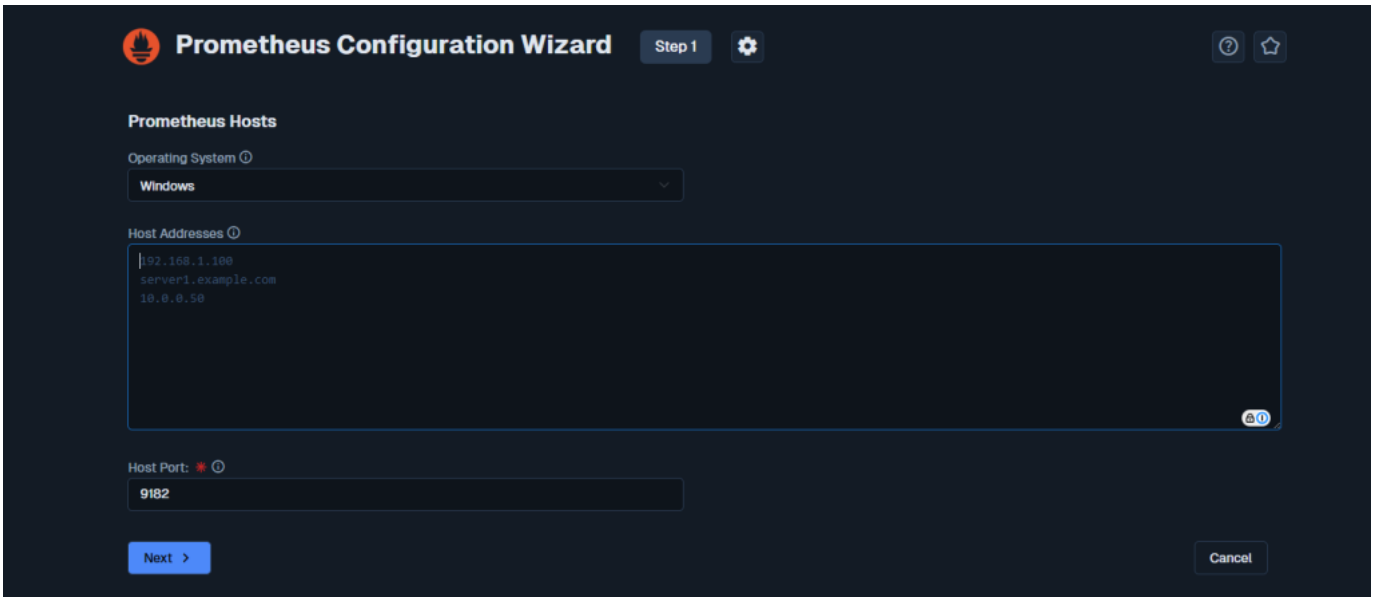
As long as you are running Nagios XI 2024R1.4.4+, you will automatically have the Prometheus wizard. If you are running an older version of Nagios XI, you will need to upgrade to access the wizard.

1. Go to **Configure > Configuration Wizards**.

2. Find and select **Prometheus**.

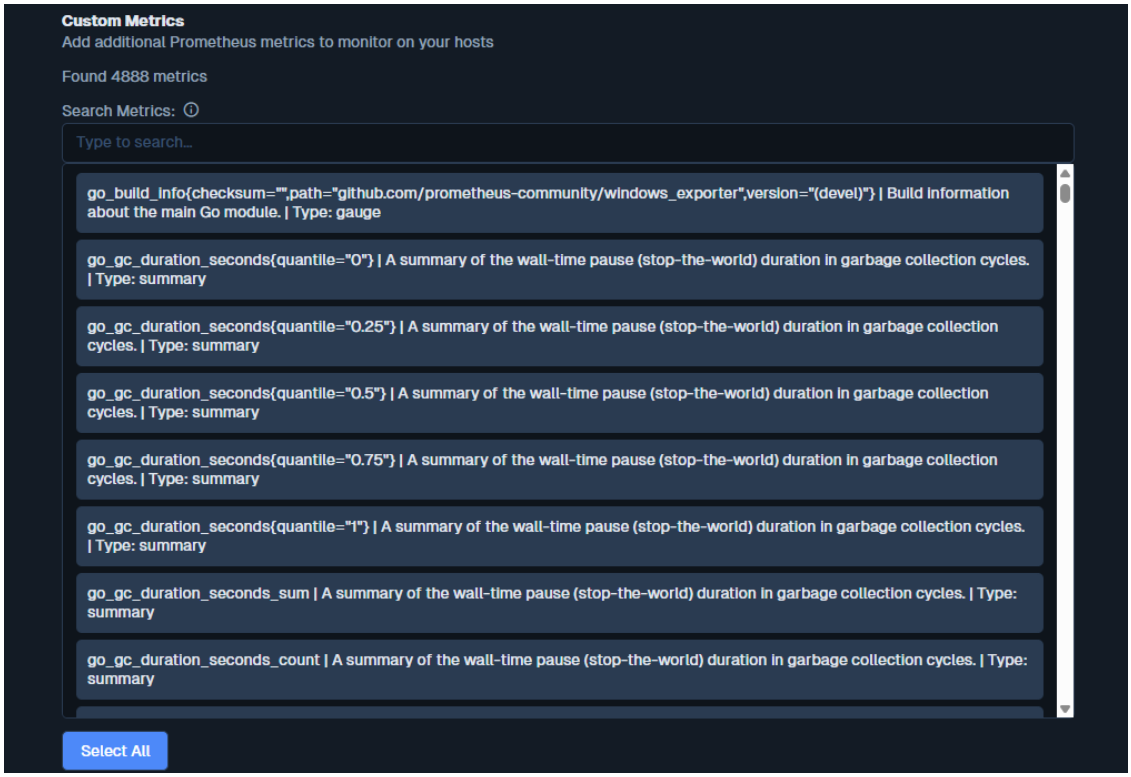


3. Enter the **Host IP Address**(es) you wish to monitor.
4. Select the **Operating System** (Windows or Linux)
5. The wizard will automatically select the default **Host Port** for both Windows and Linux. Unless you chose a custom port when you installed the Exporter, this does not need to be changed.



6. By default, the wizard will be set up to perform services for the CPU usage, memory usage and the disk usage.

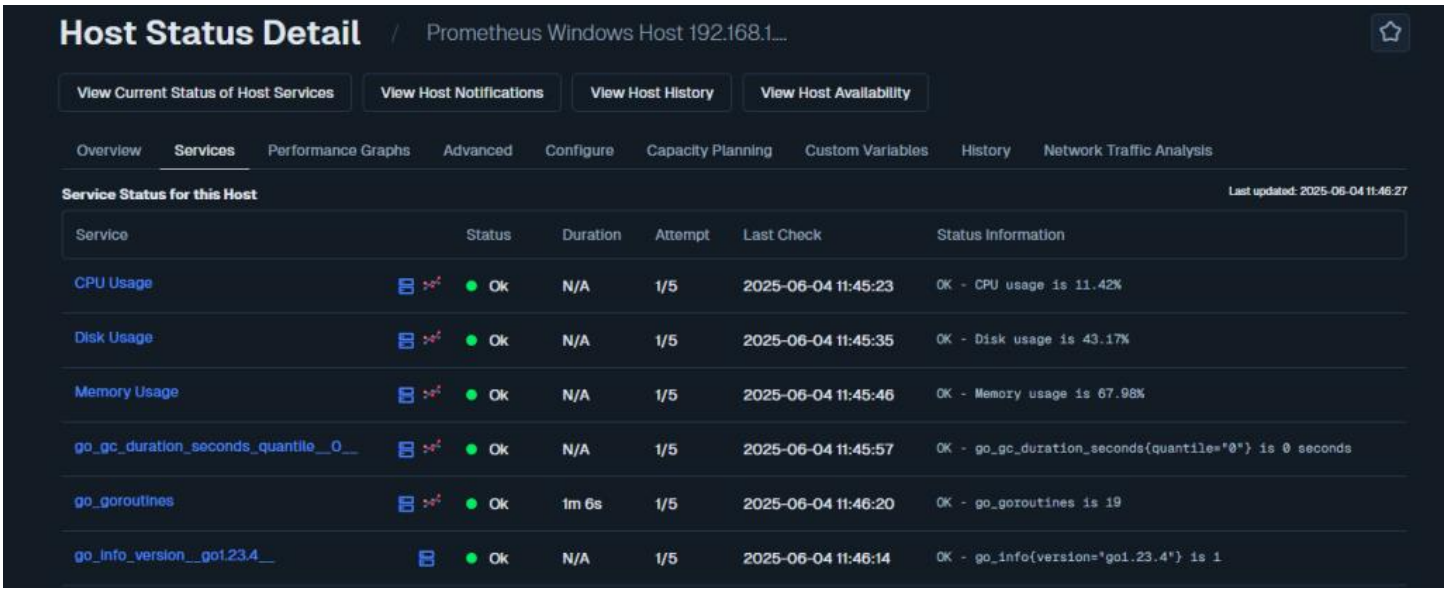
7. You can add more services that the exporter grabs by scrolling a little lower, should you wish to also monitor any of these services simply click them or hit select all, then add thresholds below the Custom Metrics list.



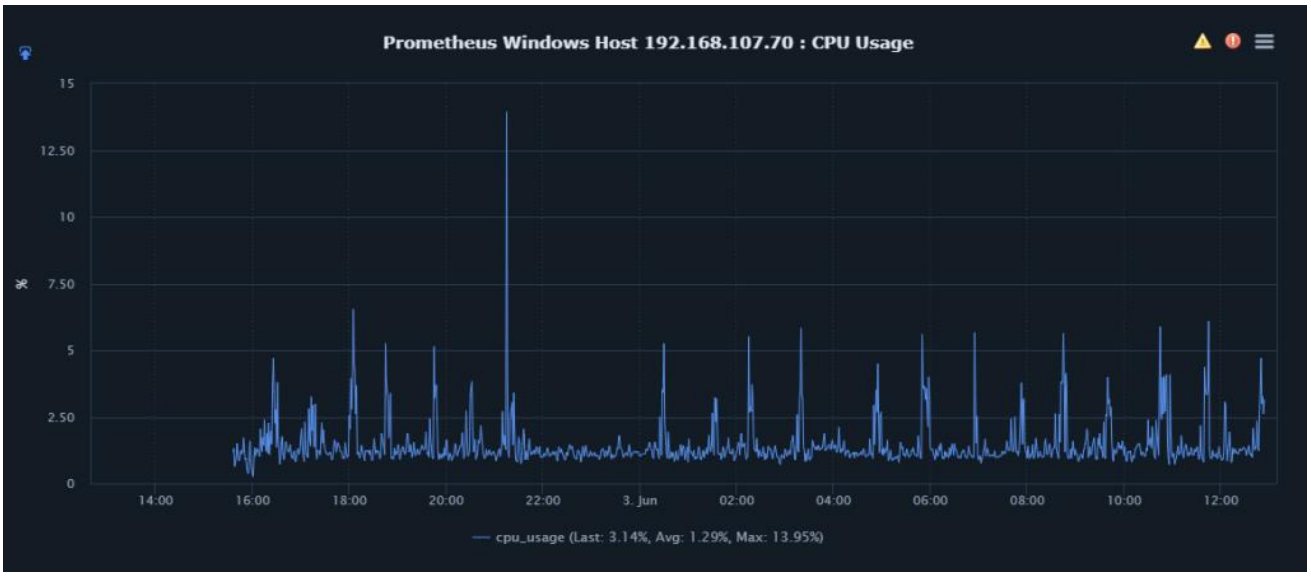
8. After selecting the services you wish to monitor, finalize the settings in **Steps 3-5**.

Verify Monitoring

Navigate to the **Host Status Detail** page for your new Host, and click the **Services** tab. You'll be able to see all the newly monitored services.



You can also review performance data in the Performance Graphs tab, and in other areas like **Home > Graph Explorer**.



For more information on using monitoring wizards, visit the Configuration Wizards documentation.

Finishing Up

This completes the documentation on Monitoring Prometheus with Nagios XI. If you have additional questions or other support-related questions, please visit us at our Nagios Support Forum, Nagios Knowledge Base, or Nagios Library:

Visit Nagios Support Forum Visit Nagios Knowledge Base Visit Nagios Library