How To Monitor Devices With Nagios XI 5 And NCPA

Purpose

This document explains how to monitor devices using Nagios Cross-Platform Agent (NCPA) in Nagios XI. It outlines the installation, configuration, and integration steps necessary to enable seamless monitoring of devices across various platforms. It is intended for system administrators, IT professionals, and technical users responsible for monitoring and maintaining IT systems and devices. A basic understanding of Nagios XI and general networking concepts is assumed.

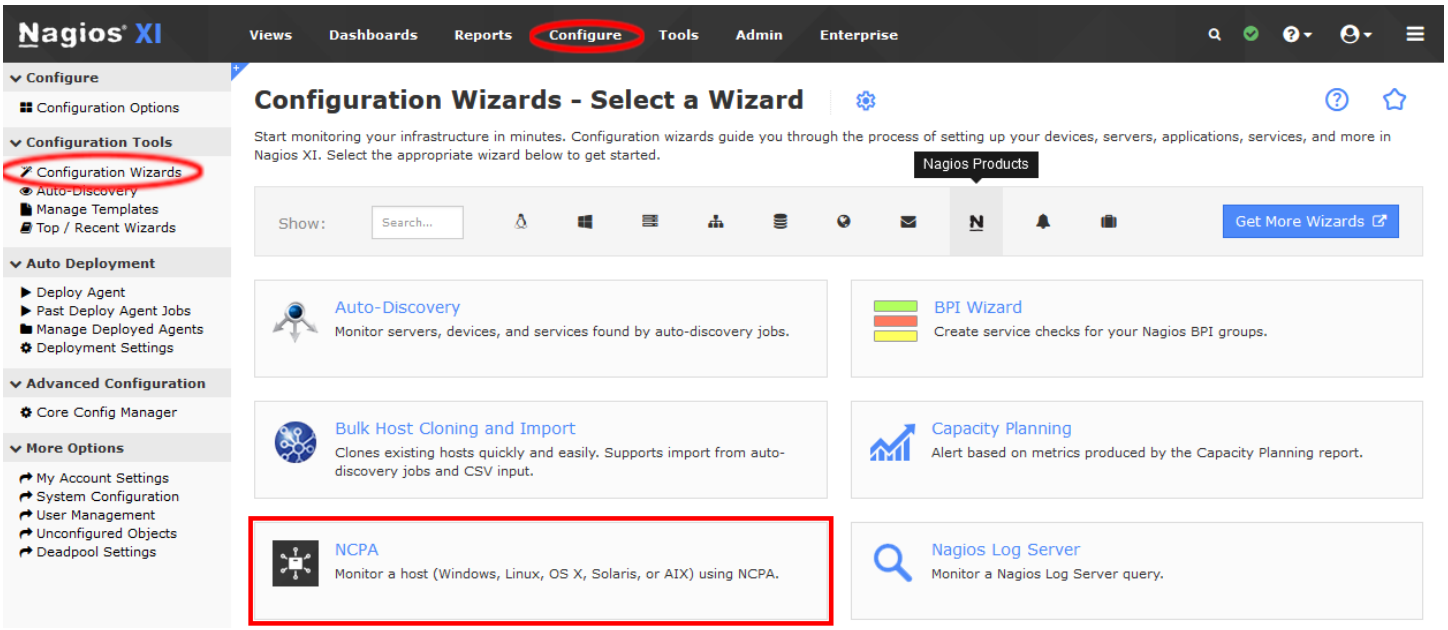
If you are monitoring devices with Nagios XI 2024, and NCPA, see How To Monitor Devices Using NCPA in Nagios XI 2024

Installing NCPA

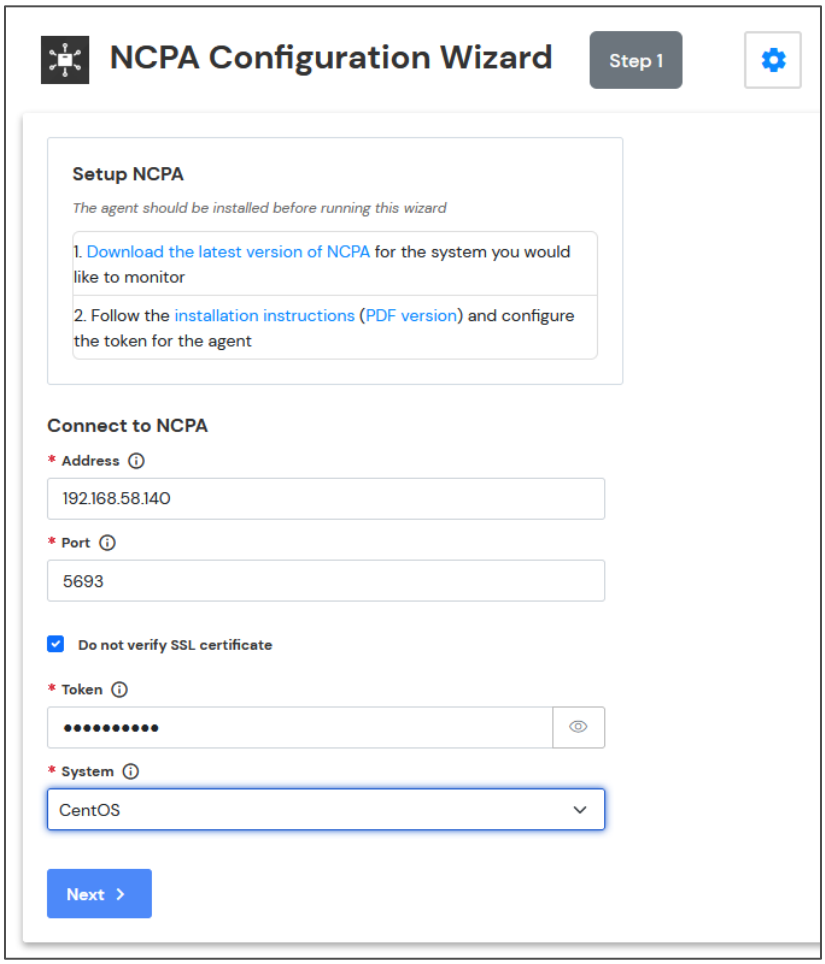
Before you can use the instructions outlined in this document, you must first install NCPA on the target Windows/Linux/AIX/Mac OS X machine you wish to monitor. Instructions for installing NCPA can be found in the Installing NCPA documentation.

Running The NCPA Configuration Wizard

1. To begin using the NCPA Configuration Wizard, navigate to **Configure** > **Configuration Wizards** and select the **NCPA** wizard. Using the **Nagios Products** filter or entering NCPA in the search field will help quickly find the wizard.



2. In **Step 1**, enter the connection details for the device you want to monitor.
    a. **Address:** Provide the IP address or the hostname of the target system running NCPA.
    b. **Port:** Specify the port number if it differs from the default (5693).
    c. **Token:** Input the authentication token used by NCPA.
    d. **System:** Select the OS that NCPA is installed on.
    e. Click **Next** to proceed.

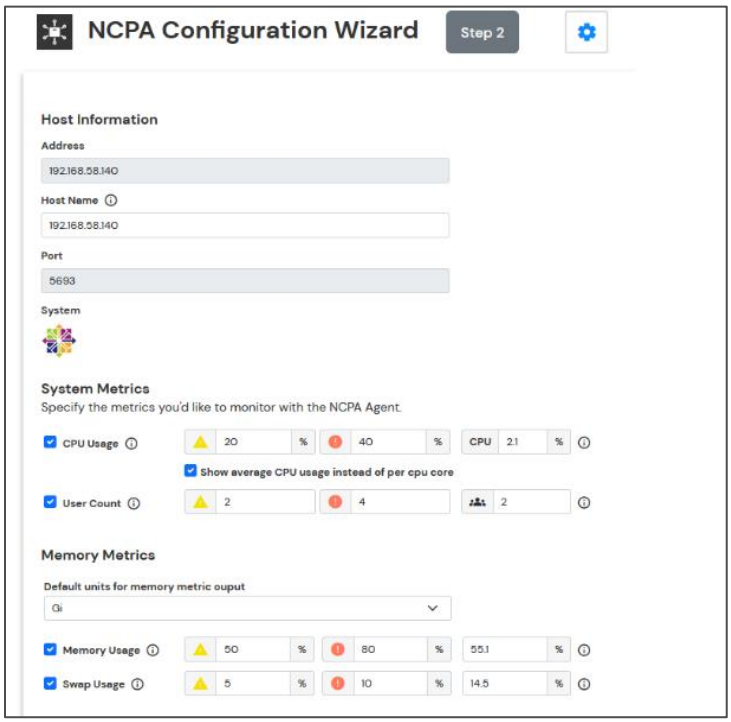


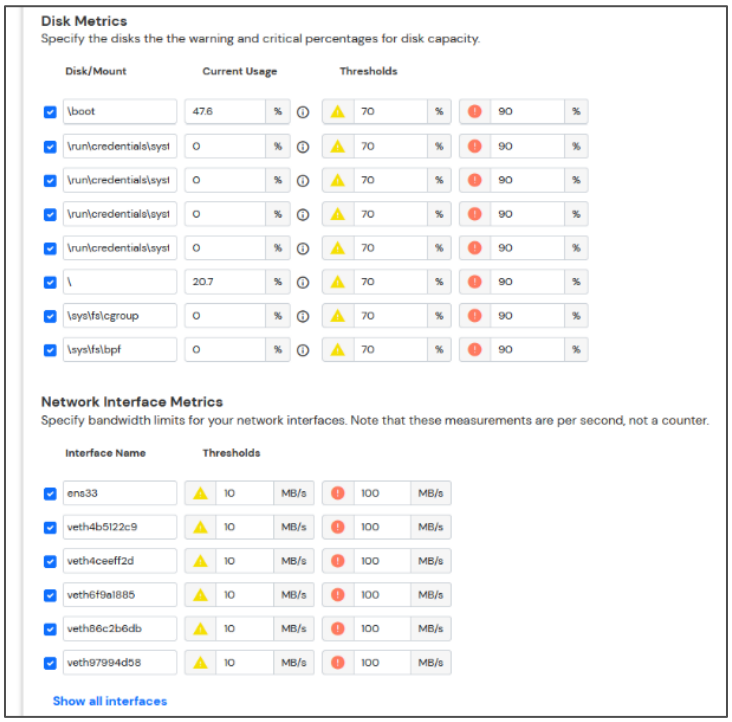
Note: When you click **Next** the Token will be validated. If the token is wrong or the machine cannot be contacted, the wizard will return to **Step 1**, until the token can be successfully verified.

3. In **Step 2**, configure the options you want to monitor:
    - **Host Name**: Verify the hostname is correctly entered.
    - Select the metrics you want to monitor, such as **CPU Usage**, **Memory Usage**, disk space, and network traffic**.**

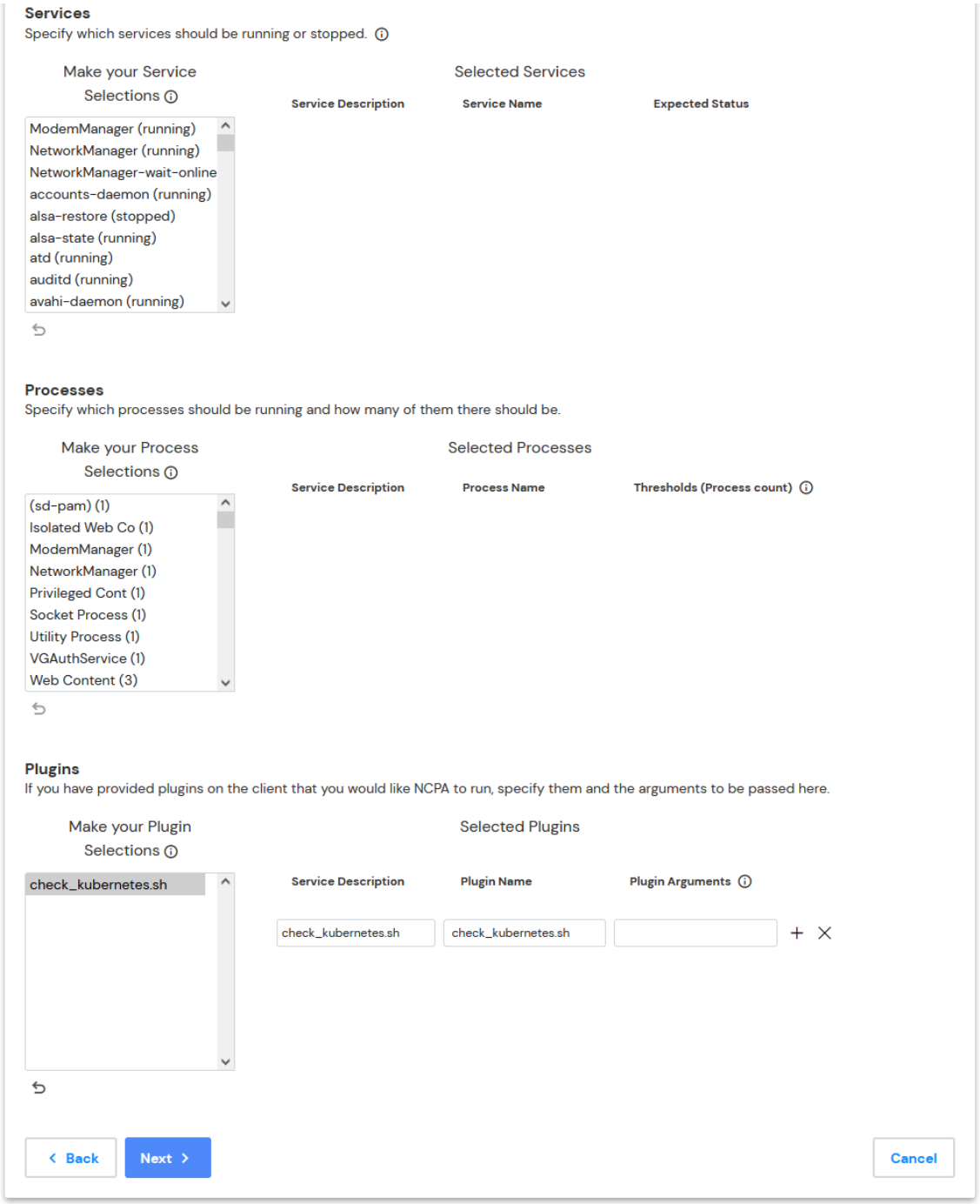
      Some metrics are automatically filled based on data collected by Nagios XI.

      Set **Warning** and **Critical** thresholds for each selected metric to define acceptable performance limits.





The screenshot below is a continuation of **Step 2** metrics.



- Once the appropriate metrics have been configured, click **Next** to proceed.

4. In **Step 3**, complete the NCPA wizard by clicking **Finish**.

   Alternatively, you can adjust the defaults in Steps 3, 4, and 5. Click **Next** after making changes in each step, then click **Finish** on Step 5.

   Upon completion, Nagios XI will create the new host and services and start monitoring the system automatically. Click the **View status details for** <NCPA HOST> link to see the details.

Host	Service	Status	Duration	Attempt	Last Check	Status Information
192.168.58.140	CPU Usage	Ok	37m 54s	1/5	2024-11-29 22:22:46	OK: Percent was 4.40 %
	Disk Usage on /	Ok	2h 35m 27s	1/5	2024-11-29 22:24:13	OK: Used disk space was 20.70 % (Used: 7.27 GiB, Free: 27.79 GiB, Total: 35.05 GiB)
	Disk Usage on /boot	Ok	2h 35m 11s	1/5	2024-11-29 22:24:30	OK: Used disk space was 47.60 % (Used: 0.47 GiB, Free: 0.52 GiB, Total: 0.99 GiB)
	Disk Usage on /run/credentials/systemd-sysctl.service	Ok	2h 34m 55s	1/5	2024-11-29 22:19:40	OK: Used disk space was 0.00 % (Used: 0.00 GiB, Free: 0.00 GiB, Total: 0.00 GiB)
	Disk Usage on /run/credentials/systemd-sysusers.service	Ok	2h 34m 40s	1/5	2024-11-29 22:19:54	OK: Used disk space was 0.00 % (Used: 0.00 GiB, Free: 0.00 GiB, Total: 0.00 GiB)
	Disk Usage on /run/credentials/systemd-tmpfiles-setup-dev.service	Ok	2h 34m 24s	1/5	2024-11-29 22:20:13	OK: Used disk space was 0.00 % (Used: 0.00 GiB, Free: 0.00 GiB, Total: 0.00 GiB)
	Disk Usage on /run/credentials/systemd-tmpfiles-setup.service	Ok	2h 34m 8s	1/5	2024-11-29 22:20:26	OK: Used disk space was 0.00 % (Used: 0.00 GiB, Free: 0.00 GiB, Total: 0.00 GiB)
	Disk Usage on /sys/fs/bpf	Ok	2h 33m 55s	1/5	2024-11-29 22:20:53	OK: Used disk space was 0.00 % (Used: 0.00 GiB, Free: 0.00 GiB, Total: 0.00 GiB)
	Disk Usage on /sys/fs/cgroup	Ok	2h 33m 46s	1/5	2024-11-29 22:20:47	OK: Used disk space was 0.00 % (Used: 0.00 GiB, Free: 0.00 GiB, Total: 0.00 GiB)
	Memory Usage	Warning	2h 29m 29s	5/5	2024-11-29 22:20:08	WARNING: Memory usage was 55.50 % (Available: 1.58 GiB, Total: 3.54 GiB, Free: 0.34 GiB, Used: 1.69 GiB)
	Ping	Ok	2h 33m 10s	1/5	2024-11-29 22:21:20	OK - 192.168.58.140: rta 0.463ms lost 0%
	Swap Usage	Critical	2h 29m 1s	5/5	2024-11-29 22:20:36	CRITICAL: Swap usage was 14.50 % (Used: 0.57 GiB, Free: 3.36 GiB, Total: 3.93 GiB)
	Total Processes	Critical	2h 28m 42s	5/5	2024-11-29 22:20:58	CRITICAL: Process count was 272
	User Count	Ok	2h 32m 19s	1/5	2024-11-29 22:22:22	OK: Count was 2 users
	check_kubernetes.sh	Critical	2m 20s	3/5	2024-11-29 22:24:19	Usage /usr/local/ncpa/plugins/check_kubernetes.sh [-m <MODE>

Finishing Up

This completes the documentation on how to use Nagios XI to actively monitor machines via the Nagios Cross-Platform Agent (NCPA). 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](#)