

How To Monitor Hyper-V With Nagios XI 2024

Purpose

This document describes how to Monitor Hyper-V using the NCPA agent and Hyper-V wizard in Nagios XI 2024.

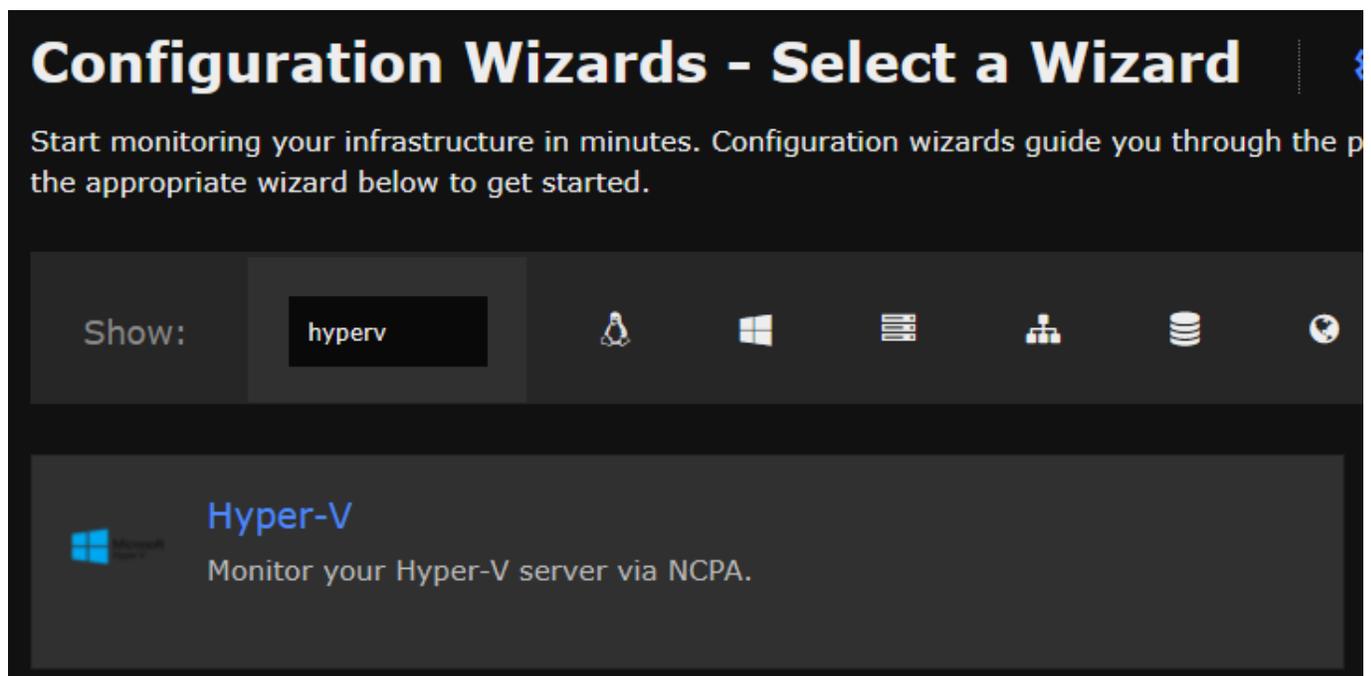
Installing the NCPA Agent

Before running the Hyper-V Wizard, you will need to install the NCPA agent on the Windows machine running Hyper-V. Full NCPA installation instructions can be found here:

[NCPA v3 Agent Installation Instructions](#)

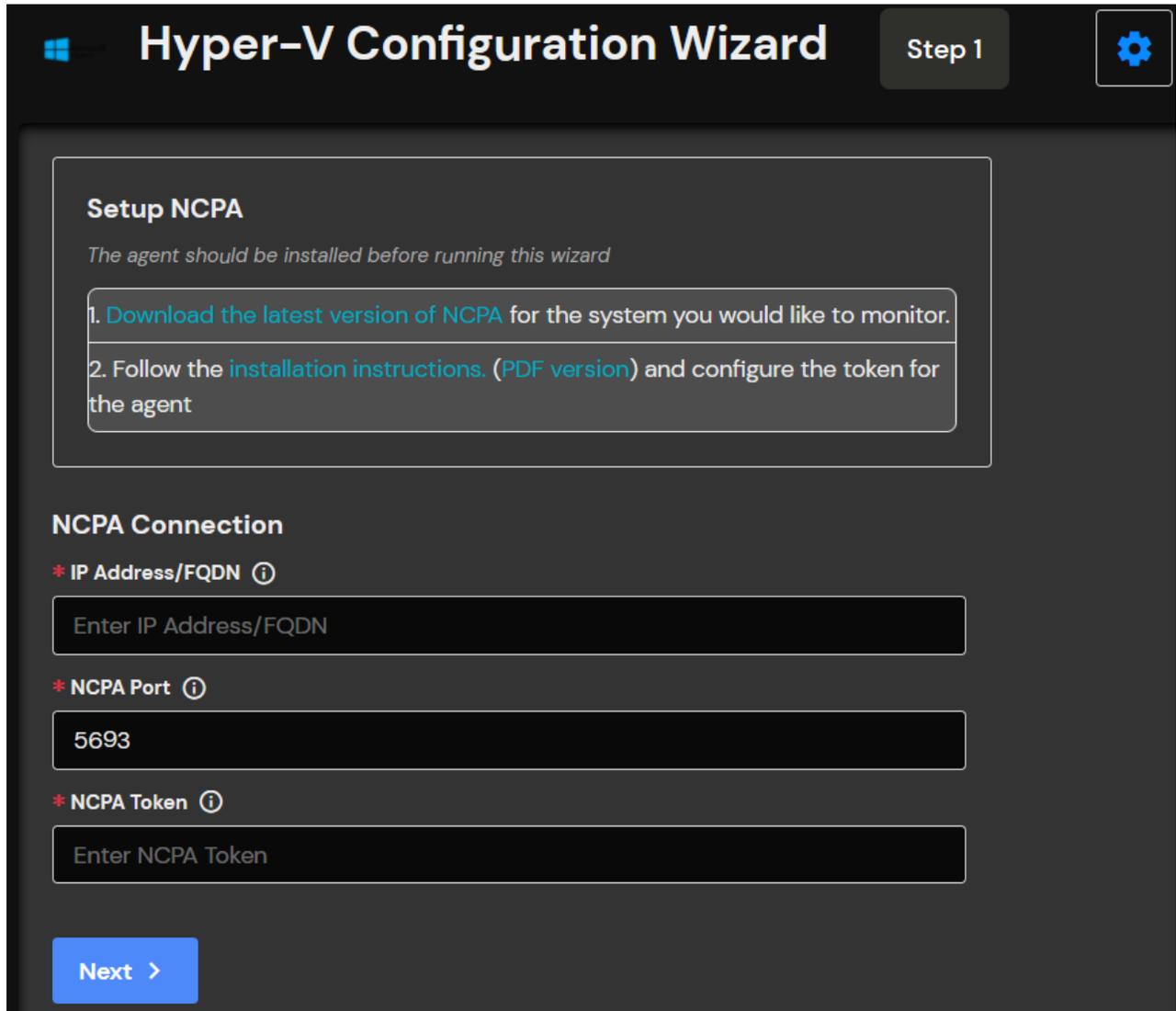
Running the Hyper-V Wizard

1. To begin, navigate to the **Configure > Configuration Wizards** menu, and find the Hyper-V wizard.



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2. In **Step 1**, enter the **IP Address/FQDN** and **NCPA Token** of the Hyper-V host.



Hyper-V Configuration Wizard Step 1 

Setup NCPA

The agent should be installed before running this wizard

1. [Download the latest version of NCPA](#) for the system you would like to monitor.
2. Follow the [installation instructions](#). ([PDF version](#)) and configure the token for the agent

NCPA Connection

* **IP Address/FQDN** 

* **NCPA Port** 

* **NCPA Token** 

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3. In **Step 2**, choose the Hyper-V metrics you wish to monitor, and their thresholds.

Hyper-V Configuration Wizard Step 2

Remote Host Details

IP Address: 192.168.107.55

Host Name: VWORKER50.nagios.internal

CPU Counters

- Hyper-V Hypervisor Logical Processor (_Total) \% Total Run Time ⓘ
? Verifying instance...
Multiply result by 10^ 0 [Warning: 85%] [Critical: 90%]
[+ Monitor another instance with this counter](#)
- Hyper-V Hypervisor Root Virtual Processor (_Total) \% Guest Run Time ⓘ
To verify the instance name, finish editing it or check the checkbox.
Multiply result by 10^ 0 [Warning: 0%] [Critical: 0%]
[+ Monitor another instance with this counter](#)
- Hyper-V Hypervisor Logical Processor (_Total) \% Context Switches/sec ⓘ
To verify the instance name, finish editing it or check the checkbox.
Multiply result by 10^ 0 [Warning: 0%] [Critical: 0%]
[+ Monitor another instance with this counter](#)
- Hyper-V Hypervisor Virtual Processor (*) \% Guest Run Time ⓘ
To verify the instance name, finish editing it or check the checkbox.
Multiply result by 10^ 0 [Warning: 0%] [Critical: 0%]
[+ Monitor another instance with this counter](#)

Available Checks Include:

- **CPU Counters** (Logical and Virtual Processor Run Time, Context Switches/sec, etc...)
- **Memory Counters** (Dynamic Memory Balancer and VM Available, Average Pressure, etc...)
- **Networking Counters** (Network Interface Bytes Total/sec, Virtual Bytes/sec)
- **Local Storage Counters** (Avg. Disk sec/Transfer, % Idle Time, Free Mb, etc...)
- **Virtual Storage Counters** (Read & Write Bytes/sec, Read Operations/sec, Write Operations/sec)
- **High Availability Storage Counters** (Read & Write Latency, IO Read & Write Bytes, Data Requests/sec, etc...)

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4. Complete **Steps 3-5** to finalize your monitoring setup, then click **Finish** to apply the configuration and start monitoring your new Hyper-V host.

To learn more about configuration wizards, refer to the guide:

[Using and Understanding Configuration Wizards in Nagios XI](#)

Finishing Up

This completes the documentation on How to Monitor Hyper-V 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](#)

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