How To Monitor MS Exchange Servers With Nagios XI

Purpose

This document describes how to monitor Microsoft ™ Exchange servers with Nagios XI using the built-in Exchange Server wizard.

The wizard supports monitoring of the following Exchange versions: Exchange 5.5, Exchange 2000, Exchange 2003, Exchange 2007, Exchange 2010, Exchange 2013, Exchange 2016, and Exchange 2019.
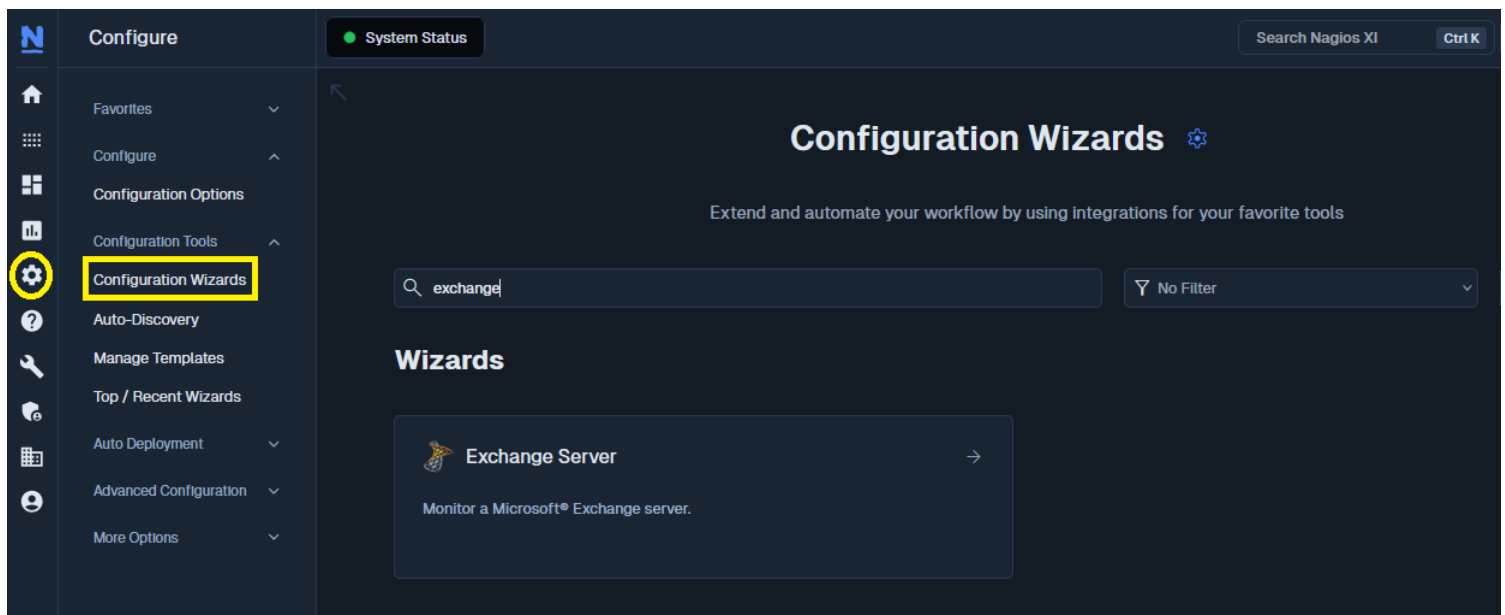
Installing NCPA

The Exchange Server wizard uses the Nagios Cross Platform Agent (NCPA) to connect to the server and execute checks, so you will need to install it before you proceed. You can find instructions for installing NCPA here:

NCPA v3 Installation Instructions

Finding the Exchange Wizard

To get started, navigate to **Configure > Configuration Wizards**, and search for `exchange` :
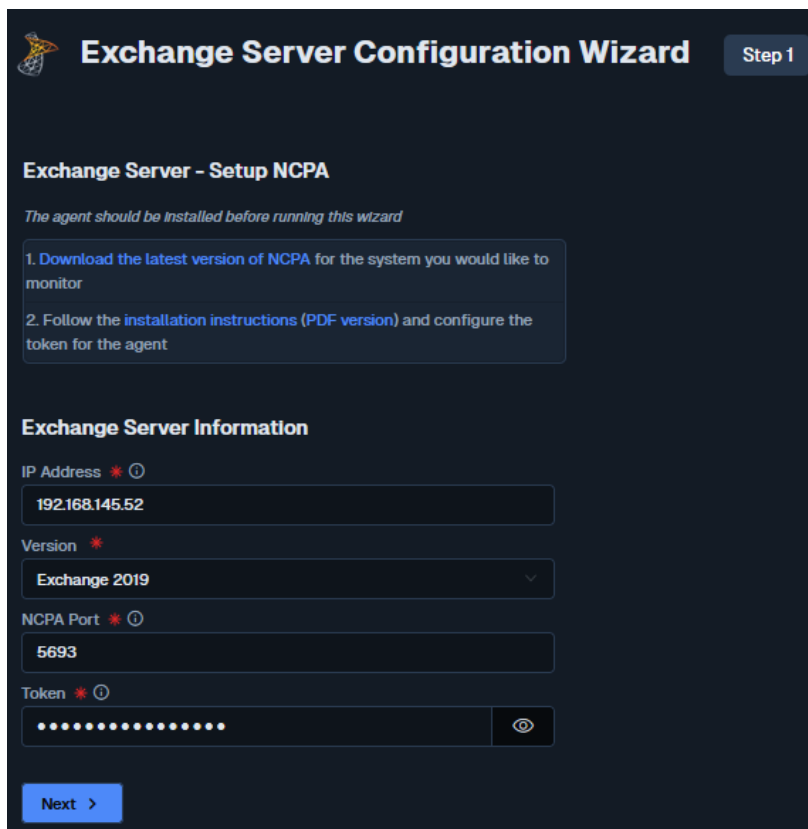
Wizard Step 1

In **Step 1** of the wizard, you will enter the following details:

- **IP Address:** the IP address or FQDN of the Exchange server
- **Version:** The Exchange version running on the server
- **NCPA Port:** the port used to connect to the NCPA agent
- **Token:** the NCPA token you set when you installed the agent

Host Name Note

Step 2 of the Exchange Wizard will ask for the **Host Name**, a friendly identifier for the host object. In the likely scenario that you'd like to add checks from multiple wizards to a single host, simply use the exact same **Host Name** each time you run the wizards. This will result in all of the service checks appearing under the umbrella of the same host in the XI user interface.

For example, you could combine special checks from the Exchange wizard with standard system status and performance checks from the NCPA wizard.

Nagios®

Wizard Step 2

In **Step 2** of the wizard, you will select the metrics you'd like to monitor and their thresholds.

In the initial **Exchange Server Details** section, enter the **Host Name** (see above note), and **URL** (the URL used to access OWA on the Exchange server).

Available metrics which can be monitored are:

- An **ICMP Ping** check for watching latency and general uptime, and checks to verify **SMTP**, **IMAP**, and **POP** service availability.
- An **RGL Blacklist** check which looks to see if your mail server is listed on any public real time blackhole lists such as `spamhaus`, `spamcop`, `spambag`, `unsubscore`, `spamcannibal`, and `schulte`.
- An **OWA HTTPS** check which monitors the availability of Outlook Web Access over HTTPS.
- A **Core Services** check which verifies that a variety of core services that are essential to Exchange are running. The services included in the check will vary depending on the Exchange version you selected in **Step 1**.
- A **Web Services** check which verifies that essential web services such as `W3SVC` are running.
- **Exchange Metrics** checks which vary depending on the version you're monitoring, but can include metrics such as messages queued for delivery, messages pending routing, and remote queue length.

Wizard Steps 3-5

Complete the wizards by choosing the required options in wizard **Steps 3-5**.

To finish, click on **Finish** in the last step of the wizard. This will create new host and services and begin monitoring (or add the service checks to an existing host, if you leveraged that option).

Once the wizard applies to the configuration, you will be able to view status details for your new Exchange Server checks.

For more information on using monitoring wizards, you can review the Understanding Configuration Wizards documentation.

Finishing Up

This completes the documentation on Monitoring Exchange Servers 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