

# How To Add Windows Disk Usage Checks In Nagios XI 2024

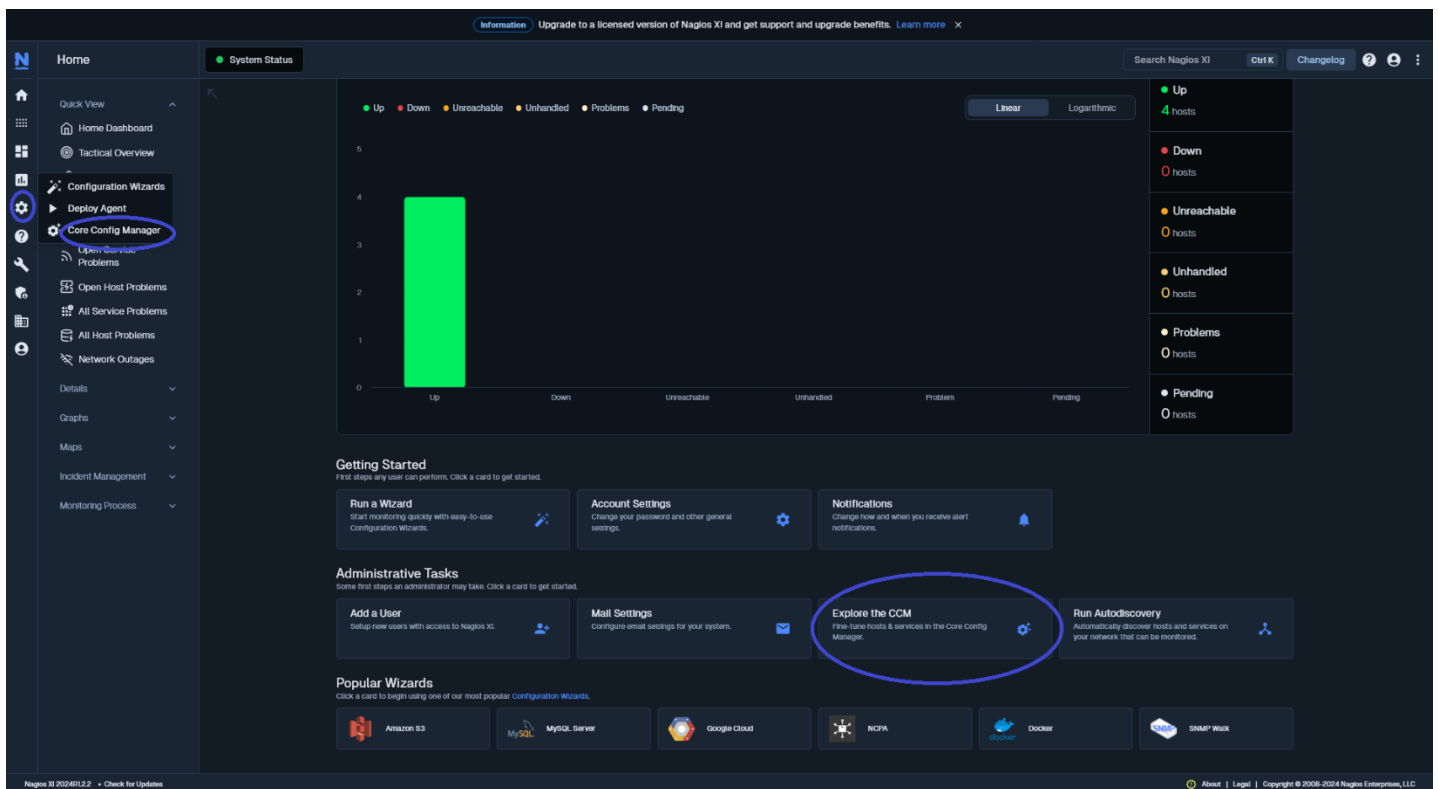
## Purpose

This document describes how to How To Add Windows Disk Usage Checks In Nagios XI.

## Navigating to the Core Config Manager (CCM)

There are multiple ways to access CCM:

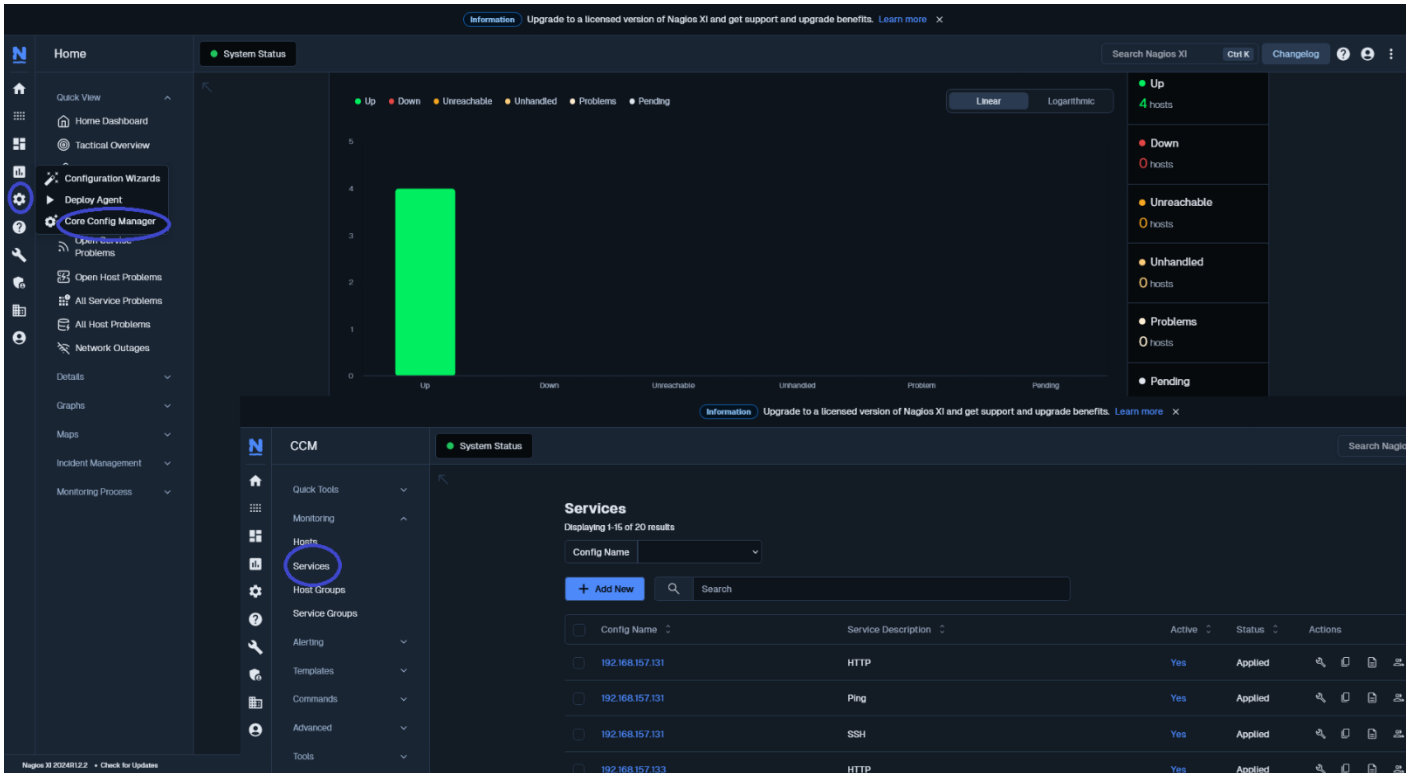
- When hovering the **Configure** button in the left menu bar you can select **Core Config Manager**
- You can select **Explore the CCM** from main screen



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## Utilizing the Core Config Manager

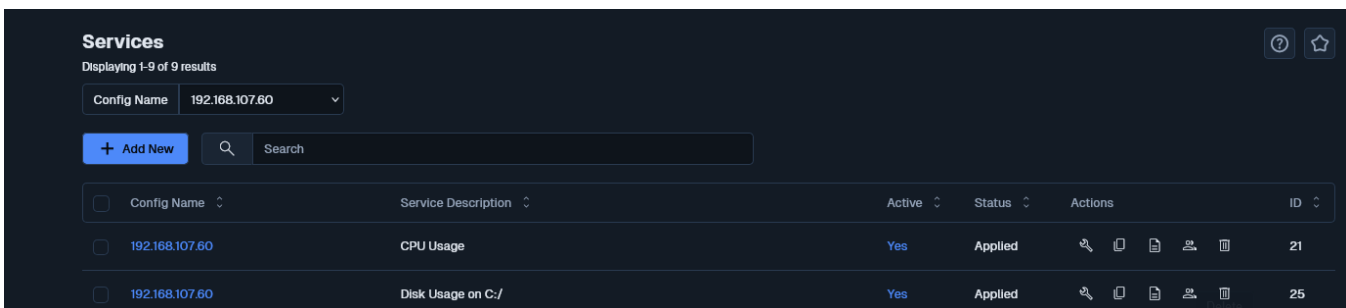
In the left pane under **Monitoring** click on **Services**.



This will bring you to **Service Management** view, from here you can do a number of things. For the purposes of this tutorial, we will only be using a few of the features.

















In the following steps we will show you how to duplicate an existing service and modify the duplicate service, so it becomes a new disk usage check.

In this example case, our config name is **192.168.107.60** and you can see that in the screenshot above. If you had a lot of services, you could use the search functionality or use the **Config Name** drop down list.



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Duplicating a service is as easy as clicking the **Copy** icon (in the Actions column) for that service. In this example we will copy the **Disk Usage in C:\ <service>**. After pressing the copy icon, a new service will appear. The screenshot below shows the icon and also the newly copied service. Notice the copied service has a different config name and is not active.

<input type="checkbox"/>	Config Name ↕	Service Description ↕	Active ↕	Status ↕	Actions	ID ↕
<input type="checkbox"/>	192.168.107.60	CPU Usage	Yes	Applied	   	21
<input type="checkbox"/>	192.168.107.60	Disk Usage on C:/	Yes	Applied	   	25
<input type="checkbox"/>	192.168.107.60	Ethernet 2 Bandwidth - Inbound	Yes	Applied	   	29
<input type="checkbox"/>	192.168.107.60	Ethernet 2 Bandwidth - Outbound	Yes	Applied	   	28

The next step is to edit the service. To do that, click the Service Name *Disk Usage on C:/\_copy\_1* or you can click the Screwdriver/Wrench icon in the Actions column.

### Service Management

This object is currently set as **inactive** and will not be written to the configuration files.

Common Settings

✓ Check Settings

Alert Settings

Misc Settings

Config Name \*

192.168.107.60

Description \*

Disk Usage on C:/\_copy\_1

Display name

Manage Hosts 1

Manage Templates 1

Manage Host Groups 0

Manage Service Groups 0

☐ Active ⓘ

Check command

check\_xl\_ncpa

Command view

\$USER1\$/check\_ncpa.py -H \$HOSTADDRESS\$ \$ARG1\$

\$ARG1\$ -t 'mytoken' -P 5693 -M 'disk/logical/C:'

\$ARG2\$

\$ARG3\$

\$ARG4\$

\$ARG5\$

\$ARG6\$

\$ARG7\$

\$ARG8\$

This brings us to the editor screen for the service. The screenshot is similar to what you should see when you first open the service along with all the items that we are going to change.

First thing you must do is rename the **Config Name** field. The **Config Name** field is simply a logical way of grouping common objects, in this case it's all the services for the host **192.168.107.60**.

Now we must change the **Service Description** field. This is for what your service will be displayed as in the main Nagios XI interface. We are still monitoring the **C** drive, but using NSClient, so just change the name to add something like **Alternate** to it.

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Next, we have to actually change what the service does. Change the **Check command** to `check_xi_service_nscclient`. Change `$ARG1$` to whatever the password/token for your host is. We are going to leave everything the same except the disk that is monitored. We change that by changing the letter after the `-l` flag in the `$ARG3$` field. Change the `C` to which drive letter you wish to monitor. In this case, we're leaving it `C`.

The screenshot shows the 'Service Management' page in Nagios XI. The 'Config Name' is '192.168.107.60'. The 'Check command' is 'check\_xi\_service\_nscclient'. The 'Description' is 'Disk Usage on C:/ Alternate'. The 'Display name' is empty. The 'Command view' shows the command: `$USER1$/check_nt -H $HOSTADDRESS$ -s "$ARG1$" -p 12489 -v $ARG2$ $ARG3$ $ARG4$`. The arguments are: `$ARG1$` is 'welcome', `$ARG2$` is 'USEDISKSPACE', `$ARG3$` is '-l C -w 80 -c 95', `$ARG4$` is empty, `$ARG5$` is empty, `$ARG6$` is empty, and `$ARG7$` is empty. The 'Active' checkbox is checked.

You will also need to click the **Active** check to enable this service. Click the **Save** button when finished. Here is a screenshot showing the changed settings:

Once you click **Save** you will be returned to the services lists which should look like the following screenshot.

The screenshot shows the 'Services' page in Nagios XI. It displays a list of services for the configuration '192.168.107.60'. A message at the top says 'Changes detected! Apply Configuration for new changes to take effect.' The table below shows the following services:

Config Name	Service Description	Active	Status	Actions	ID
192.168.107.60	CPU Usage	Yes	Not Applied		21
192.168.107.60	Disk Usage on C:/	Yes	Not Applied		25
192.168.107.60	Disk Usage on C:/ Alternate	Yes	Not Applied		31
192.168.107.60	Ethernet 2 Bandwidth - Inbound	Yes	Not Applied		29

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You can now see the new **Drive C: Disk Usage** service in the list. You will also notice the warning at the top of the screen that says **Changes detected! Apply Configuration for new changes to take effect**. You must click **Apply Configuration** or the **Apply Configuration** button at the bottom of the screen, this saves your new config and restarts Nagios.

This completes all the steps required to use CCM to duplicate an existing service to create an additional Windows disk usage check. If you navigate back to the home screen you will be able to find the new service and check it is correctly working.

## Finishing Up

This completes the documentation on How To Add Windows Disk Usage Checks In 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:

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