



Purpose

This document will show you step-by-step how to add an additional Windows Disk Usage check in XI. It also provides a basic understanding of how the Core Config Manager works.

Target Audience

This document is intended for Nagios XI administrators who already have NSClient++ installed and are currently monitoring a Windows client. If you have not done so please read the following guide first:

[Installing The Windows Agent NSClient++ for Nagios XI](#)

Navigating to the Core Config Manager (CCM)

There are multiple ways to access CCM:

- When hovering the **Configure** button in the top menu bar you can select **Core Config Manager**
- On the **Configure** tab you can select **Core Config Manager** from the left pane or from the main screen

The screenshot shows the Nagios XI interface. The top navigation bar includes 'Home', 'Views', 'Dashboards', 'Reports', 'Configure', 'Tools', 'Help', and 'Admin'. The 'Configure' menu is expanded, showing 'Configuration Wizards' and 'Core Config Manager' (circled in blue). The main content area is titled 'Configuration Options' and contains four cards:

- Start Monitoring Now**: Quickly monitor a new device, server, application, or service using an easy configuration wizard. Link: [Run a configuration wizard >](#)
- Auto-Discovery**: Run an auto-discovery job to automatically find hardware, devices, and services to monitor. Link: [Use the auto-discovery tool >](#)
- Advanced Configuration**: Manage your monitoring config files using an advanced web interface. **Recommended for experienced users.** Link: [Go to Nagios Core Config Manager >](#) (circled in blue)
- Manage Account Settings**: Modify your account information, preferences, and notification settings. Link: [Edit your profile settings >](#)

Utilizing the Core Config Manager

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

Services

+ Add New *Displaying 1-15 of 18 results* Config Name

<input type="checkbox"/>	Service Name	Service Description	Active	Status	Actions	ID
<input type="checkbox"/>	10.25.14.52	CPU Usage	Yes	Applied		15
<input type="checkbox"/>	10.25.14.52	Drive C: Disk Usage	Yes	Applied		18
<input type="checkbox"/>	10.25.14.52	Memory Usage	Yes	Applied		16
<input type="checkbox"/>	10.25.14.52	Uptime	Yes	Applied		17
<input type="checkbox"/>	localhost	Current Load	Yes	Applied		5
<input type="checkbox"/>	localhost	Current Users	Yes	Applied		3
<input type="checkbox"/>	localhost	HTTP	Yes	Applied		8
<input type="checkbox"/>	localhost	PING	Yes	Applied		1
<input type="checkbox"/>	localhost	Root Partition	Yes	Applied		2
<input type="checkbox"/>	localhost	Service Status - crond	Yes	Applied		12
<input type="checkbox"/>	localhost	Service Status - httpd	Yes	Applied		9
<input type="checkbox"/>	localhost	Service Status - mysqld	Yes	Applied		11
<input type="checkbox"/>	localhost	Service Status - ndo2db	Yes	Applied		10
<input type="checkbox"/>	localhost	Service Status - npcd	Yes	Applied		14
<input type="checkbox"/>	localhost	Service Status - ntpd	Yes	Applied		13

+ Add New With checked Go Results per page 15 Jump to page 1 1 2 >

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 `10.25.14.52` 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.

Services

+ Add New *Displaying 1-5 of 5 results* Config Name

<input type="checkbox"/>	Service Name	Service Description
<input type="checkbox"/>	10.25.14.52	CPU Usage
<input type="checkbox"/>	10.25.14.52	Drive C: Disk Usage

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 **Drive C: Disk Usage** 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"/>	Service Name	Service Description	Active	Status	Actions	ID
<input type="checkbox"/>	10.25.14.52	CPU Usage	Yes	Applied	  	15
<input type="checkbox"/>	10.25.14.52	Drive C: Disk Usage	Yes	Applied	  	18
<input type="checkbox"/>	10.25.14.52	Memory Usage	Yes	Applied	  	16
<input type="checkbox"/>	10.25.14.52	Uptime	Yes	Applied	  	17
<input type="checkbox"/>	10.25.14.52_copy_1	Drive C: Disk Usage	No	-	  	19
<input type="checkbox"/>	localhost	Current Load	Yes	Applied	  	5

The next step is to edit the service. To do that, click the Service Name `10.25.14.52_copy_1` or you can click the Screwdriver/Wrench icon in the Actions column.

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.

▲ 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 *

Description *

Display name

Manage Hosts 1
Manage Templates 1
Manage Host Groups 0
Manage Servicegroups 0

Active ⓘ

Save
Cancel

Check command

Command view

```
$USER1$/check_nt -H $HOSTADDRESS$ -s "$ARG1$" -p 12489 -v $ARG2$ $ARG3$ $ARG4$
```

▶ Run Check Command

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 `10.25.14.52`. Since this will be another service for `10.25.14.52` we will simply remove the `_copy_1` from the config name.

Now we must change the Service Description field. This is for what your service will be displayed as in the main Nagios XI interface. Since we are adding a service to monitor **D** drive, we will change the letter **C** to a **D**.

Next we have to actually change what the service does. We are going to leave everything the same except the disk that is actually 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 our case, a **D**.

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:

Common Settings | **Check Settings** | Alert Settings | Misc Settings

Config Name *
10.25.14.52

Description *
Drive D: Disk Usage

Display name

Manage Hosts 1

Manage Templates 1

Manage Host Groups 0

Manage Servicegroups 0

Active 1

Check command
check_xi_service_nsclient

Command view

```
$USER1$/check_nt -H $HOSTADDRESS$ -s "$ARG1$" -p 12489 -v
$ARG2$ $ARG3$ $ARG4$
```

\$ARG1\$ Str0ngPassw0rd

\$ARG2\$ USEDDISKSPACE

\$ARG3\$ -l D -w 80 -c 95

\$ARG4\$

\$ARG5\$

\$ARG6\$

\$ARG7\$

\$ARG8\$


























Run Check Command

Save Cancel

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

Services ⚠ Changes detected! **Apply Configuration** for new changes to take effect.

Displaying 1-5 of 5 results

<input type="checkbox"/>	Service Name	Service Description	Active	Status	Actions	ID
<input type="checkbox"/>	10.25.14.52	CPU Usage	Yes	Not Applied	    	15
<input type="checkbox"/>	10.25.14.52	Drive C: Disk Usage	Yes	Not Applied	    	18
<input type="checkbox"/>	10.25.14.52	Drive D: Disk Usage	Yes	Not Applied	    	19
<input type="checkbox"/>	10.25.14.52	Memory Usage	Yes	Not Applied	    	16
<input type="checkbox"/>	10.25.14.52	Uptime	Yes	Not Applied	    	17

You can now see the new **Drive D: 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 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 adding Windows disk usage checks in Nagios XI.

If you have additional questions or other support related questions, please visit us at our Nagios Support Forums:

<https://support.nagios.com/forum>

The Nagios Support Knowledgebase is also a great support resource:

<https://support.nagios.com/kb>