Importing Config Files From Nagios Core Into Nagios XI



Purpose

This document describes how to migrate and import Nagios Core configuration files into Nagios XI. Importing configuration files is only required in instances where administrators wish to import configurations from existing Nagios Core installations. Importing configuration files

automates setting up your existing Hosts, Services, Hostgroups, Servicegroups and Host/Service Templates in your Nagios XI installation.

Target Audience

This document is intended for use by Nagios Administrators who are migrating from Nagios Core to Nagios XI and wish to import configuration files from an existing Nagios Core installation in order to retain their monitoring setup.

Preparing To Import

Before importing existing Nagios Core configuration files into Nagios XI, it is recommended that you use the Nagios XI config import prep tool. Information on using this tool can be found in the following documentation:

<u>Using The XI Config Import Prep Tool</u>

Example Import

In this example we are going to import a **command**, **hostgroup**, **host** and **service** ... in that order. Here are the example configs that were saved in the /usr/local/nagios/etc/cfgprep/orig/ directory:

```
windows_example_command.cfg
```

windows example hostgroup.cfg

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```
define hostgroup {
    hostgroup_name Windows-Common
    alias Windows-Common
}
windows_example_host.cfg
```

windows example service.cfg

After running the xiprepimport.php tool, the files will be save into the

/usr/local/nagios/etc/cfgprep/ directory. All the files will have the same name however the windows_example_service.cfg will be empty and another file was created called multiple hosts.cfg with the content of the windows example service.cfg.

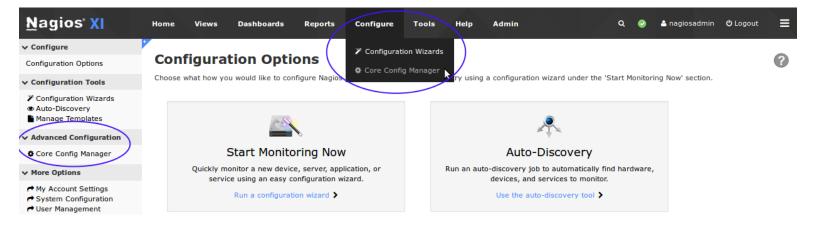
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The purpose of the configs above is to demonstrate the need to import the configurations in a specific order. The host is a member of the hostgroup Windows-Common and the service is assigned to the hostgroup Windows-Common, hence the hostgroup Windows-Common will need to be imported before the host or service object.

Navigating to the Core Config Manager (CCM)

There are multiple ways to access CCM:

- 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

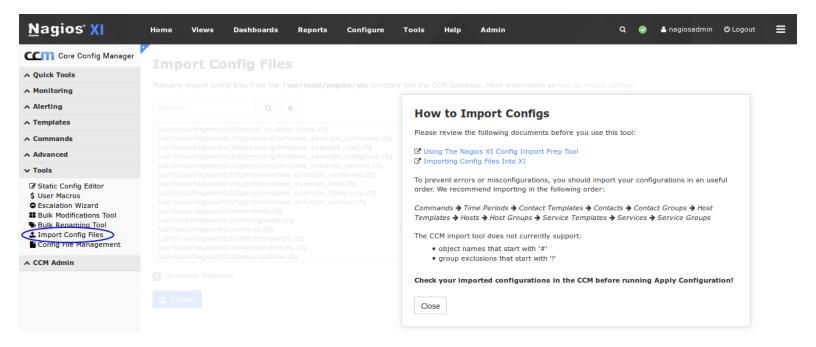


Importing Configuration Files

Access the import interface by selecting the Import Config Files menu option under Tools.

When you first navigate here you are presented with the popup message that explains the order in which configuration files need to be imported. Our example will do **command > hostgroup > host > service** however we are doing **host** and **hostgroup** in the *opposite* order. What is important is that for the object you are importing, any other objects it uses in it's configuration need to exist. In our example the host is added to a **hostgroup** and hence the **hostgroup** needs to exist first. Click **Close** when you've finished reading the message.

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Here you can see a list of files available for import, you can see the ones highlighted are the ones being imported in this example:

The import interface will allow you to import one or more configuration files, you can use **CTRL** or **SHIFT** on the keyboard to assist selecting multiple files. In this example we will be importing the files one at a time.

/usr/local/nagios/etc/cfgprep/_multiple_hosts.cfg
/usr/local/nagios/etc/cfgprep/orig/windows_example_command.cfg
/usr/local/nagios/etc/cfgprep/orig/windows_example_host.cfg
/usr/local/nagios/etc/cfgprep/orig/windows_example_hostgroup.cfg
/usr/local/nagios/etc/cfgprep/orig/windows_example_service.cfg
/usr/local/nagios/etc/cfgprep/windows_example_command.cfg
/usr/local/nagios/etc/cfgprep/windows_example_host.cfg
/usr/local/nagios/etc/cfgprep/windows_example_hostgroup.cfg
/usr/local/nagios/etc/cfgprep/windows_example_service.cfg
/usr/local/nagios/etc/commands.cfg
/usr/local/nagios/etc/contactgroups.cfg
/usr/local/nagios/etc/contactts.cfg
/usr/local/nagios/etc/contacttemplates.cfg
/usr/local/nagios/etc/hostdependencies.cfg
/usr/local/nagios/etc/hostdescalations.cfg

Note: Only import configuration files that have been created in a special sub-directory, specifically for the purpose of importing. Typically the config files to be imported have been placed in the /usr/local/nagios/etc/cfgprep/ directory after being processed by the Nagios XI config prep import tool (you can also see the original files listed in the orig directory).

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The first file to import will be:

cfgprep/windows_example_command.cfg

Select the file and click the **Import** button.

Once the import is complete you will receive a success message.

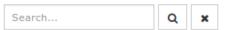
After importing an object it's always good to check to make sure it was imported as expected. In CCM navigate to **Commands** and search for

check nrpeversion and you should see the following:

1 file(s) impo	rted successfully!		
(-)			

Import Config Files

Manually import config files from the /usr/local/nagios/etc directory



/usr/local/nagios/etc/cfgprep/_multiple_hosts.cfg
/usr/local/nagios/etc/cfgprep/orig/windows_example_command.cfg
/usr/local/nagios/etc/cfgprep/orig/windows_example_host.cfg
/usr/local/nagios/etc/cfgprep/orig/windows_example_hostgroup.cfg
/usr/local/nagios/etc/cfgprep/orig/windows_example_service.cfg
/usr/local/nagios/etc/cfgprep/windows_example_command.cfg
/usr/local/nagios/etc/cfgprep/windows_example_host.cfg
/usr/local/nagios/etc/cfgprep/windows_example_hostgroup.cfg
/usr/local/nagios/etc/cfgprep/windows_example_service.cfg
/usr/local/nagios/etc/commands.cfg

‡ Command Name	‡ Command Line	1 Active	Actions	‡ ID
check_nrpeversion	\$USER1\$/check_nrpe -H \$HOSTADDRESS\$	Yes	* h	26

Repeat the above import steps for cfgprep/windows_example_hostgroup.cfg, cfgprep/windows_example_host.cfg, cfgprep/_multiple_hosts.cfg and you should see the new objects created.

Host Groups ▲ Changes detected! Apply Configuration for new changes to take effect.



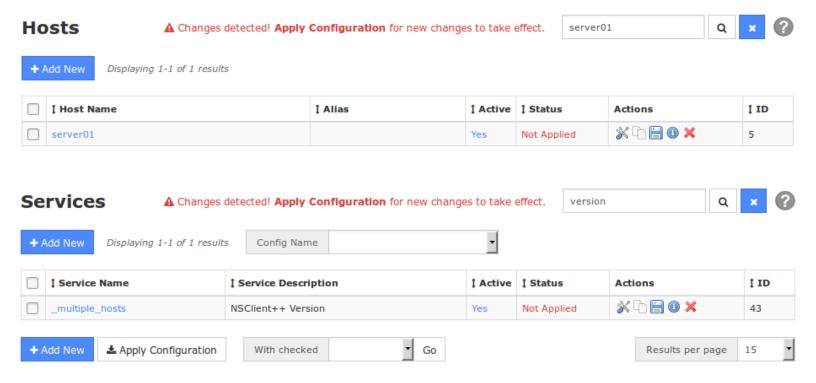


+ Add New

Displaying 1-1 of 1 results

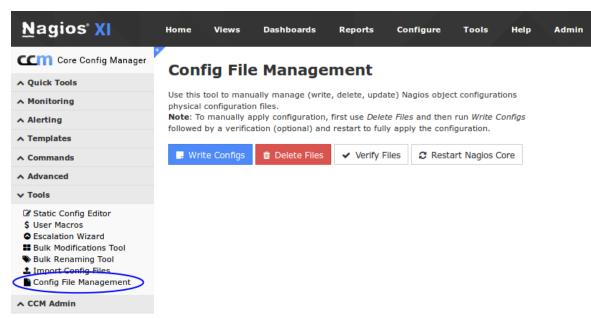
‡ Host Group Name	‡ Alias	‡ Active	Actions	‡ ID
Windows-Common	Windows-Common	Yes	※ □ 🗎 🛈 🗙	4

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Post Import Actions

Once you've imported all the necessary Nagios Core configuration files, before Applying Configuration it's best to validate that the configuration files are valid. In CCM expand **Tools** and select **Config File**Management.



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Click the **Write Configs** button to create / update the config files on the Nagios XI server.

You can see in the screenshot to the right that the host and service config files were **created** and the existing hostgroups and commands config files were **updated**.

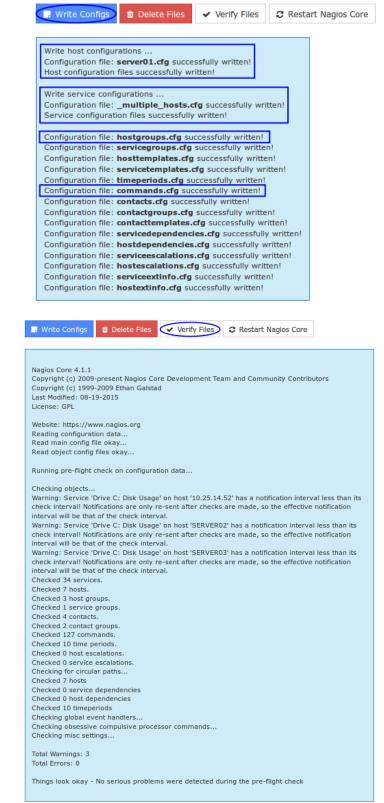
Now click the **Verify Files** button.

Check the output for an error messages, if there are any CRITICAL error messages the background color will be red. Error messages will indicate problems that are encountered in the config objects and will be clearly identified.

Resolve any config problems by going to the respective configuration area in CCM and fix the issues that are highlighted. Retry the **write** / **verify** process until the verify is successful.

On the screenshot to the right you can see some WARNING messages however these are for some other objects that existed before we attempted an import. We can assume all is OK with the objects imported as they are not shown in the output.

The final line tells us that things look okay.

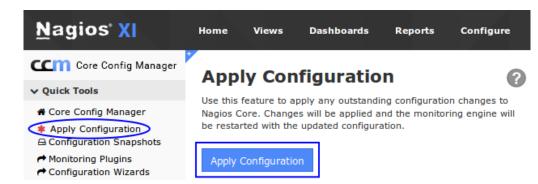


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Apply Configuration

Once you have successfully verified the configuration, it is recommended that you use the Apply Configuration function to restart Nagios core with the new configuration. You can access this option by selecting the **Apply Configuration** menu item and clicking the **Apply Configuration** button.

Notice that there is an asterisk *
next to the word Apply Configuration
(in the left pane), this indicates there
are changes waiting to be applied.



The apply configuration features will perform the following steps:

- Export the database configuration to disk
- Verify the configuration files
- Restart Nagios Core
- Create a new configuration snapshot

Apply Configuration Configuration applied successfully. Nagios Core was restarted with an updated configuration. View configuration snapshots Show Written Configs

Note: Another option is to use the **Restart Nagios Core** button on the **Config File Management** page. However, this option will not create a snapshot like the **Apply Configuration** button, which is why we recommend the Apply Configuration option.

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Other Steps

Additional steps may be required once you finish importing Nagios Core configuration files into Nagios XI. These steps may include:

- Uploading missing plugins or event handlers to Nagios XI
- Creating user accounts in Nagios XI

For more information on these topics, refer to the documentation Migrating from Nagios Core to Nagios XI:

Migrating From Nagios Core To Nagios XI

Finishing Up

This completes the documentation on importing config files from Nagios Core into 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