

# Using The Nagios XI Config Import Prep Tool

## Purpose

This document describes how to use the Nagios XI configuration file import prep tool to prepare an installation for migration from Nagios Core to Nagios XI. The prep tool is used to pre-process native Nagios Core configuration files into a format that is easily managed in the Nagios XI web interface.

## Target Audience

This document is intended for use by Nagios Administrators who need to import configuration files from an existing Nagios Core installation. The import prep tool should be used before importing native Nagios Core configuration files into the Nagios Core Configuration Manager included in Nagios XI.

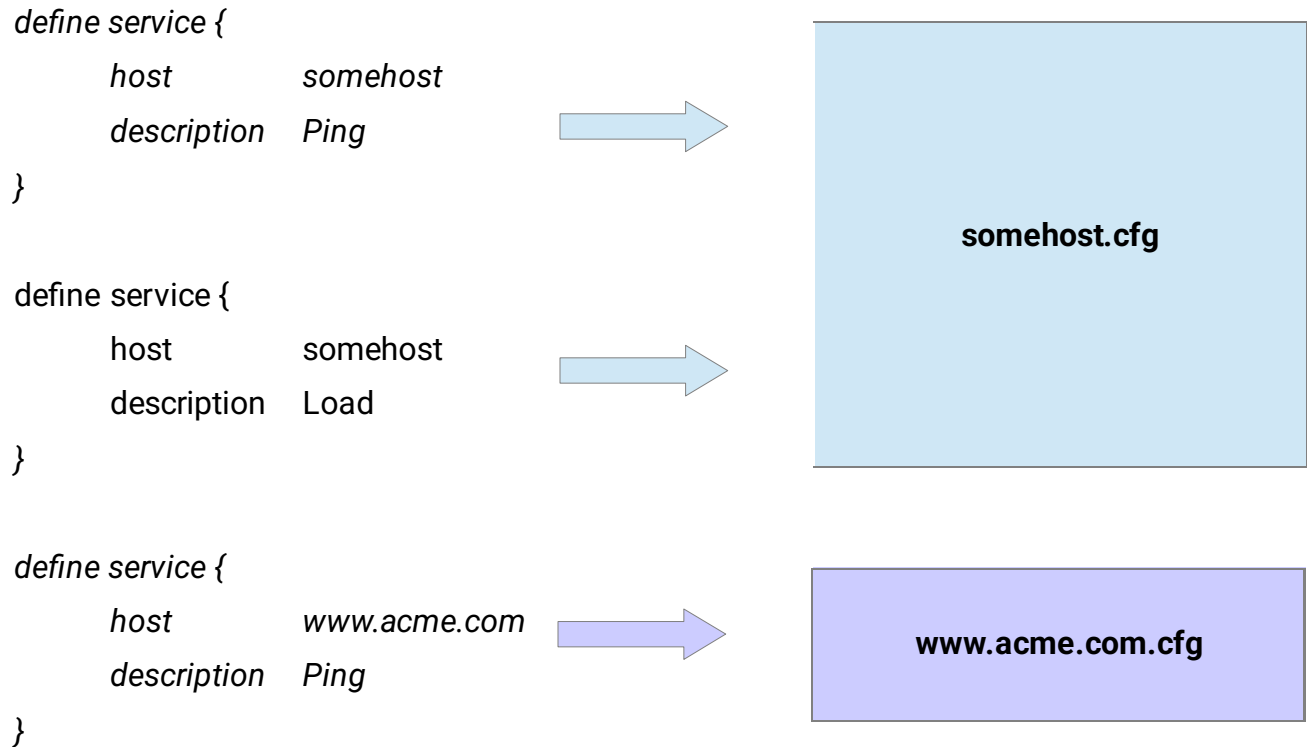
## What The Tool Does

The import prep tool analyzes a Nagios Core object configuration file and splits service definitions into one or more separate configuration files named after the host associated with the service definition. Other types of object definitions (hosts, hostgroups, etc.) are written to a file named the same as the source configuration file.

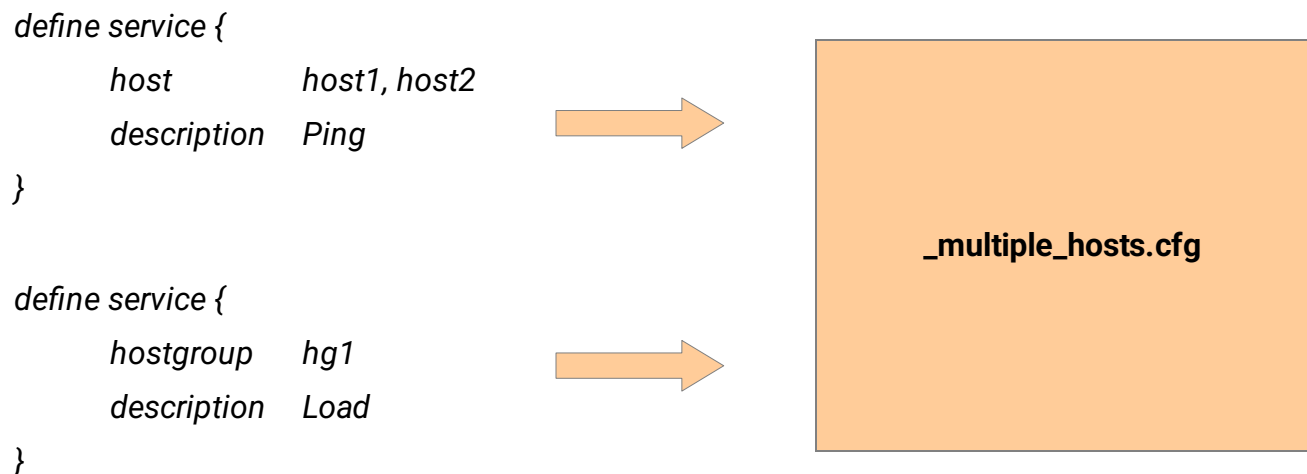
Newly created configuration files are written to the current working directory. For this reason, it is important that the source file be in a different directory than the current working directory.

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If the prep tool found the following service definitions in a source file, they would be written to **two** separate configuration files:



Service definitions that reference multiple host names, or that reference hostgroups, are written to a special configuration file called `_multiple_hosts.cfg` like so:



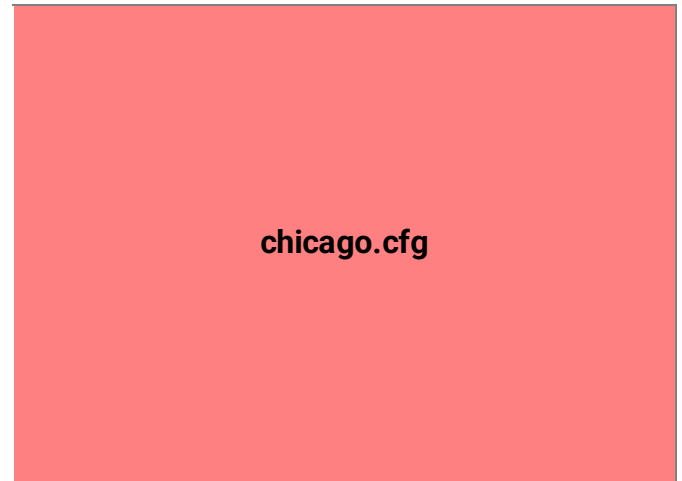
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Other types of object definitions (hosts, hostgroups, etc.) are written to a file named the same as the source configuration file. For example, if the source file was named `chicago.cfg`, these object definitions would be written to a similarly named file:

```
define host {  
    host_name host1  
    address 192.168.1.1  
    ...  
}
```



```
define hostgroup {  
    hostgroup_name hg1  
    ...  
}
```



## Multiple Source Files

The import prep tool script only processes one source configuration file at a time. If you have multiple object configuration tools that need to be processed, you will need to run the tool against each source configuration file.

## Tool Location And Command Line Syntax

The import prep tool script is in the following directory of the XI monitoring server:

```
/usr/local/nagiosxi/tools
```

The script can be run from a shell prompt using the following syntax:

```
php /usr/local/nagiosxi/tools/xiprepimport.php sourceconfigfile
```

Where *sourceconfigfile* is the path to the source configuration file.

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**Note:** the source config file cannot reside in the current working directory.

## Using The Config Import Prep Tool

To use the **config import prep tool**, follow the steps below.

Establish a terminal session to your Nagios XI server as the root user.

Create a temporary directory for holding the converted configuration files. This directory must be located beneath the `/usr/local/nagios/etc` directory structure. Example:

```
mkdir /usr/local/nagios/etc/cfgprep
```

Create a subdirectory for holding the original source configuration files you wish to prep for import:

```
mkdir /usr/local/nagios/etc/cfgprep/orig
```

Upload (via SSH, etc.) your original source configuration files from your Nagios Core instance to this directory.

```
/usr/local/nagios/etc/cfgprep/orig
```

Once you've uploaded the source files, change to the config prep directory you created.

```
cd /usr/local/nagios/etc/cfgprep
```

List the source configuration files that you uploaded:

```
ls -al orig
```

You should see a listing of your original source config files. Here's an example of what you might see (the file names and number of files in your listing will differ):

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```
total 112
drwxr-xr-x  2 root root  4096 2009-12-20 10:30 .
drwxr-xr-x  3 root root  4096 2009-12-20 10:30 ..
-rw-r--r-   1 root root 11905 2009-12-20 10:30 commands.cfg
-rw-r--r-   1 root root  2622 2009-12-20 10:30 contacts.cfg
-rw-r--r-   1 root root   152 2009-12-20 10:30 dependencies.cfg
-rw-r--r-   1 root root  1714 2009-12-20 10:30 hostgroups.cfg
-rw-r--r-   1 root root  6664 2009-12-20 10:30 hosts.cfg
-rw-r--r-   1 root root   101 2009-12-20 10:30 servicegroups.cfg
-rw-r--r-   1 root root 48263 2009-12-20 10:30 services.cfg
-rw-r--r-   1 root root 12641 2009-12-20 10:30 templates.cfg
-rw-r--r-   1 root root  3209 2009-12-20 10:30 timeperiods.cfg
```

Run the **config prep tool** on each of the original source files. Example:

```
php /usr/local/nagiosxi/tools/xiprepimport.php orig/commands.cfg
php /usr/local/nagiosxi/tools/xiprepimport.php orig/contacts.cfg
php /usr/local/nagiosxi/tools/xiprepimport.php orig/dependencies.cfg
php /usr/local/nagiosxi/tools/xiprepimport.php orig/hostgroups.cfg
php /usr/local/nagiosxi/tools/xiprepimport.php orig/hosts.cfg
php /usr/local/nagiosxi/tools/xiprepimport.php orig/servicegroups.cfg
php /usr/local/nagiosxi/tools/xiprepimport.php orig/services.cfg
php /usr/local/nagiosxi/tools/xiprepimport.php orig/templates.cfg
php /usr/local/nagiosxi/tools/xiprepimport.php orig/timeperiods.cfg
```

Check for any error messages that may result from running the tool. Errors may occur if permissions are incorrect on the source files, or if the source files are in the current working directory. Resolve any errors before continuing.

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If you wish to run a bash one-shot command to process all the files in the **orig** directory, run:

```
cd /usr/local/nagios/etc/cfgprep
for f in orig/* ; do /usr/local/nagiosxi/tools/xiprepimport.php $f ; done
```

After you finish running the **config prep tool**, list the contents of the current directory.

```
ls -al
```

You will see several files that have been created. Example:

```
total 116
drwxr-xr-x  3 root  root  4096 2009-12-20 10:36 .
drwsrwsr-x 10 apache nagios 4096 2009-12-20 10:29 ..
-rw-r--r--  1 root  root  5946 2009-12-20 10:36 commands.cfg
-rw-r--r--  1 root  root   827 2009-12-20 10:36 contacts.cfg
-rw-r--r--  1 root  root   132 2009-12-20 10:36 dependencies.cfg
-rw-r--r--  1 root  root   185 2009-12-20 10:36 dev1.cfg
-rw-r--r--  1 root  root  1370 2009-12-20 10:36 www.nagios.com.cfg
-rw-r--r--  1 root  root   129 2009-12-20 10:36 em01b.cfg
-rw-r--r--  1 root  root  3091 2009-12-20 10:36 _empty_host.cfg
-rw-r--r--  1 root  root  2773 2009-12-20 10:36 filer.cfg
-rw-r--r--  1 root  root   962 2009-12-20 10:36 hostgroups.cfg
-rw-r--r--  1 root  root  4442 2009-12-20 10:36 hosts.cfg
-rw-r--r--  1 root  root  6993 2009-12-20 10:36 linksys-switch.cfg
-rw-r--r--  1 root  root  2284 2009-12-20 10:36 mpc.cfg
-rw-r--r--  1 root  root 16252 2009-12-20 10:36 _multiple_hosts.cfg
drwxr-xr-x  2 root  root  4096 2009-12-20 10:30 orig
-rw-r--r--  1 root  root    78 2009-12-20 10:36 servicegroups.cfg
-rw-r--r--  1 root  root    0 2009-12-20 10:36 services.cfg
-rw-r--r--  1 root  root  1318 2009-12-20 10:36 task.cfg
-rw-r--r--  1 root  root  6330 2009-12-20 10:36 templates.cfg
-rw-r--r--  1 root  root   531 2009-12-20 10:36 tempraxe1.cfg
-rw-r--r--  1 root  root  1400 2009-12-20 10:36 timeperiods.cfg
```

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## Next Steps

The Nagios Core configuration files have been converted to a better format for Nagios XI and are now ready to be imported into Nagios XI. Please reference the following documentation for instructions on completing the next step for uploading config files:

[Importing Config Files Into Nagios XI](#)

Remember you will be uploading the converted files created by the Config Import Prep Tool and not the original config files from Nagios Core.

## Finishing Up

This completes the documentation on how to use the config import prep tool for 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>