

# How To Monitor Unconfigured Objects In Nagios XI

## Purpose

This document describes the process of constructing groups and assigning unconfigured objects that passively send information to Nagios XI.

**Note:** If you are using **Nagios XI 2024**, please refer to the [updated document](#).

## Target Audience

This document is intended for use by Nagios administrators and Users.

## Passive Check Processing Overview

External applications and agents can submit passive host and service checks results to Nagios XI using the NSCA and/or NRDP APIs. These APIs are configured using the Inbound Check Transfers administrative interface in Nagios XI.

The monitoring engine only processed passive check results for the hosts and services that have been defined in its configuration. If a passive result is received for a host or service that has not yet been configured, the following happens:

- The check result is discarded/ignored by the monitoring engine
- The host and/or service will appear in the Unconfigured Objects administrative interface in Nagios XI

The Nagios XI administrator will be able to view the unconfigured host and service objects for which passive check results have arrived and has the option of adding the unconfigured hosts and services to the monitoring engine.

The instructions outlined in the following steps demonstrate how to manage unconfigured objects and optionally add them to the monitoring engine.

## Unconfigured Objects

Administration Navigate to **Admin > Monitoring Config** and select **Unconfigured Objects**. The unconfigured objects page will list any hosts or services that Nagios has received passive results for, but which have not yet been added to the monitoring engine.

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## Unconfigured Objects

This page shows host and services that check results have been received for, but which have not yet been configured in Nagios.

Passive checks may be received by NSCA or NRDP (as defined in your [inbound transfer settings](#)) or through the direct check submission API.

 [Unconfigured Objects](#)  [Auto Configure Settings](#)

[Clear Unconfigured Objects List](#)

<input type="checkbox"/>	Host	Service	Last Seen	Actions
<input type="checkbox"/>	Nagios NA	-	2024-12-03 01:25:09	 
		Disk Usage on /	2024-12-03 01:25:09	
		Disk Usage on /boot	2024-12-03 01:25:09	
		CPU Usage	2024-12-03 01:25:09	
		ncpa	2024-12-03 01:25:09	

## Adding Unconfigured Objects

 [Unconfigured Objects](#)  [Auto Configure Settings](#)

[Clear Unconfigured Objects List](#)

<input type="checkbox"/>	Host	Service	Last Seen	Actions
<input checked="" type="checkbox"/>	Nagios NA	-	2024-12-03 01:25:09	 
		Disk Usage on /	2024-12-03 01:25:09	

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1. To add unconfigured objects to Nagios XI as host and service objects you run the **Unconfigured Passive Object** wizard. There are two ways you can run this wizard:

## Add One Host with Services

Click the **gear** button at the top right of the list to configure that host.

## Add Multiple Hosts with Services

In the list of unconfigured objects check the box for each host that you want to add. Then click the gear icon with the arrow at the bottom of the list.

Disk Usage on /boot	2024-12-03 01:24:43	
php	2024-12-03 01:24:43	
sshd	2024-12-03 01:24:43	

With Selected:  

When the wizard starts you will be presented with a screen like the following:

 **Unconfigured Passive Object Configuration Wizard** Step 2 

### Hosts

This wizard will automatically create missing object definitions for the following hosts and their associated services:

Nagios NA  
Demo Win2k16

[< Back](#) [Next >](#) [Finish with Template](#)

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2. The list of hosts that will have services created will appear in the summary list. All the hosts that will be added as part of this wizard will be created using the same settings that are defined in the different steps of the wizard such as notifications, groups, parents. Run through the wizard selecting your preferred settings and **Apply**.
3. When the configuration is successfully applied, click the **View status** details for xxx link which should direct you to a screen like the following

**Host Status Detail** / Nagios NA

View Current Status of Host Services | View Host Notifications | View Host History | View Host Availability

Overview | **Services** | Performance Graphs | Advanced | Configure | Capacity Planning | Custom Variables | History | Network Traffic Analysis

**Service Status for this Host** Last updated: 2024-12-03 02:56:12

Service	Status	Duration	Attempt	Last Check	Status Information
Disk Usage on /	Ok	6h 31m 21s	1/1	2024-12-02 20:14:52	OK: Used disk space was 45.40 % (Used: 7.61 GiB, Free: 9.15 GiB, Total: 17.61 GiB)
Disk Usage on /boot	Ok	6h 26m 20s	1/1	2024-12-02 20:39:51	OK: Used disk space was 14.70 % (Used: 0.24 GiB, Free: 1.37 GiB, Total: 1.71 GiB)
CPU Usage	Ok	6h 56m 52s	1/1	2024-12-02 20:44:21	OK: Percent was 1.00 %
ncpa	Ok	6h 21m 41s	1/1	2024-12-02 20:24:40	OK: Process count for processes named ncpa was 3
sshd	Ok	6h 27m 50s	1/1	2024-12-02 20:48:20	OK: Process count for processes named sshd was 1
rsyslogd	Ok	6h 38m 10s	1/1	2024-12-02 20:03:11	OK: Process count for processes named rsyslogd was 1

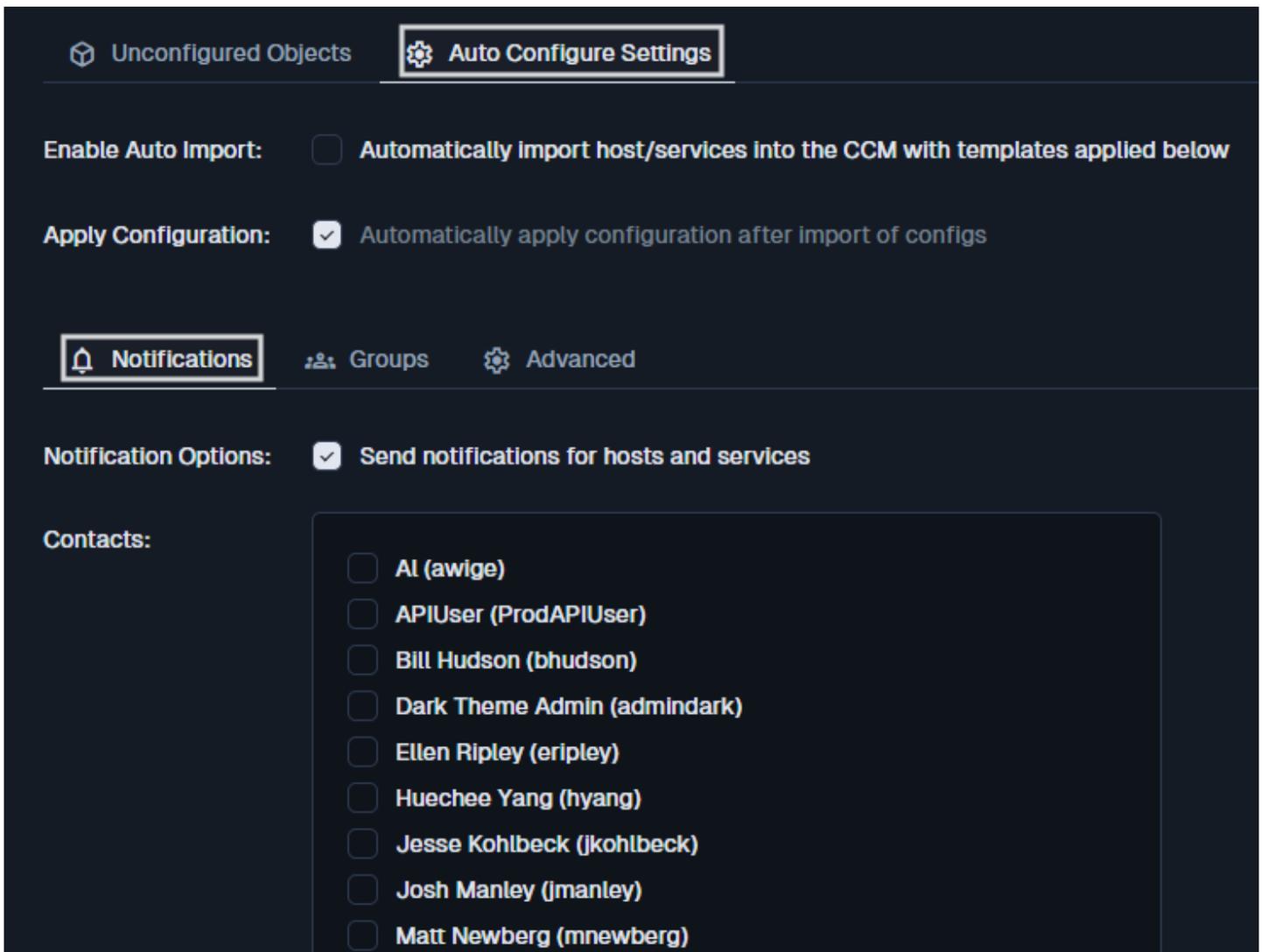
You can see from the screenshot some of the checks have already received passive check results. The Uptime check has not received a check result (also the host object has not as it has a gray color) but it will be updated once it does. Once the wizard has completed, the host and its services will no longer appear under the unconfigured objects section. This completes the steps for adding unconfigured objects to Nagios XI. You should also read the following documentation as it goes into more detail about passive services:

[Configuring Passive Services With Nagios XI](#)

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## Auto Configure Settings

The ability to automatically create monitoring objects from received passive check results was added as a feature in Nagios XI 5.5. This is not enabled by default and can be defined on the **Auto Configure Settings** tab.



The screenshot shows the Nagios XI interface for the 'Auto Configure Settings' tab. At the top, there are two tabs: 'Unconfigured Objects' and 'Auto Configure Settings', with the latter being selected and highlighted. Below the tabs, there are two main sections. The first section, 'Enable Auto Import', has a checkbox that is unchecked, with the text 'Automatically import host/services into the CCM with templates applied below'. The second section, 'Apply Configuration', has a checked checkbox with the text 'Automatically apply configuration after import of configs'. Below these sections, there are three sub-tabs: 'Notifications' (selected and highlighted), 'Groups', and 'Advanced'. Under the 'Notifications' sub-tab, there is a section 'Notification Options' with a checked checkbox and the text 'Send notifications for hosts and services'. Below this, there is a section 'Contacts' with a list of nine contacts, each with an unchecked checkbox: 'Al (awige)', 'APIUser (ProdAPIUser)', 'Bill Hudson (bhudson)', 'Dark Theme Admin (admindark)', 'Ellen Ripley (eripley)', 'Huechee Yang (hyang)', 'Jesse Kohlbeck (jkohlbeck)', 'Josh Manley (jmanley)', and 'Matt Newberg (mnewberg)'.

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The **Enable Auto Import** box needs to be checked to allow Nagios XI to automatically import the objects into **Configuration Manager**.

Once checked, the second option **Apply Configuration** can be enabled/disabled. When enabled, the newly imported objects will be immediately added to the running configuration of Nagios XI.

In larger deployments of Nagios XI it may be beneficial to disable this functionality, especially when you are receiving a lot of check results from new systems.

The settings that the new objects will be configured with will be determined by the selections on the Notifications, Groups and Advanced tabs.

On the screenshot above you can see that the notifications can be enabled, this applies to both the host and service objects. You can also select the **Contacts** and/or **Contact Groups** you want applied to these objects.

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Notifications **Groups** Advanced

**Host Groups:**

Define which hostgroup(s) the host should belong to (if any).

- AnsibleManaged (AnsibleManaged)
- AP (AP)
- Linux Servers (linux-servers)
- NCPA Installed to any OS (FD Tier 1 NCPA Any OS)
- NCPA Installed to Linux (FD Tier 1 NCPA Linux)
- PLC (PLC)
- PRDWebSrv - Company.com (PRDWebSrv - Company.com)
- SCADA (SCADA)
- St. Paul Office Printers (St. Paul Office Printers)
- Switches (Switches)
- testapilhostgroup (testapilhostgroup)
- WIFI Access Points (WIFI Access Points)
- Wilkerson room (Classroom 1)
- windowsservers (windowsservers)

**Service Groups:**

Define which servicegroup(s) the service(s) should belong to (if any).

- CPU (CPU)
- Log Server DR (logserverdr)
- Storage (Storage)

The groups tab allows you to define what **Host** or **Service** groups will be assigned to the new objects.

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Notifications Groups **Advanced**

Stalking: Disabled ?

Host Config: Host Template xiwizard\_passive\_host

Service Config: Service Template xiwizard\_passive\_service

Volatility ? Non-volatile

The **Advanced** tab allows for the stalking and volatility options to be defined as well as the template settings. The **Host Template** and **Service Template** settings allow you to use templates to define a directive in the configs created which aren't available on these pages. For example, by default the new objects use the `xiwizard_passive_host` and `xiwizard_passive_service` templates. If you receive a lot of SNMP Trap passive checks, you may be interested in using the `xiwizard_snmptrap_host` and `xiwizard_snmptrap_service` templates instead (they use different freshness commands). After you've made your desired selections click the **Update Settings** button to save the changes. The processing of unconfigured objects and automatically importing them into CCM occurs every 60 seconds as part of the Nagios XI background processes.

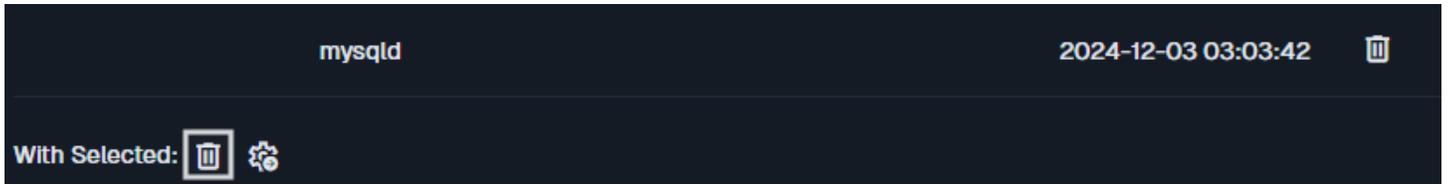
## Removing Unconfigured Objects

Unconfigured Objects Auto Configure Settings

Clear Unconfigured Objects List

<input type="checkbox"/>	Host	Service	Last Seen	Actions
<input checked="" type="checkbox"/>	Nagios XI	-	2024-12-03 03:04:02	
		sshd	2024-12-03 03:04:02	

# How To Monitor Unconfigured Objects In Nagios XI



If there are unconfigured objects that you don't want to add to Nagios XI you can remove them from the list. There are three ways you can do this:

## Remove All

Click the **Clear Unconfigured Objects List** link at the top of the list.

## Remove One Host with Services

Click the **Delete** link at the top right of the list for that host. You can also delete individual services as you might not want a specific service to be added when running the wizard.

## Remove Multiple Hosts with Services

In the list of unconfigured objects check the box for each host that you want to remove. Then click the X icon at the bottom of the list.

**Note:** Deleted objects will re-appear later if more passive results are received for them. It is suggested that you stop the incoming unwanted passive check results to Nagios XI, they are logged in the nagios.log file which in turn consumes disk space over time.

## Finishing Up

This completes the documentation on how to monitor unconfigured objects 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:

[Visit Nagios Support Forum](#)

[Visit Nagios Knowledge Base](#)

[Visit Nagios Library](#)