

The Industry Standard in IT Infrastructure Monitoring

Purpose

Passive check results for hosts and services that are submitted to Nagios by external agents and application using the NSCA or NRDP APIs are not processed by the monitoring engine until they are configured in Nagios XI. This document describes how to configure monitoring of previously unconfigured hosts and services that a Nagios XI server has received passive check results for.

Target Audience

This document is intended for use by Nagios XI Administrators.

Prerequisites

Before you continue following the instructions outlined in this document, you must have met the following prerequisites:

- The monitoring server must be running Nagios XI version 2011R1 or higher

Passive Check Processing Overview

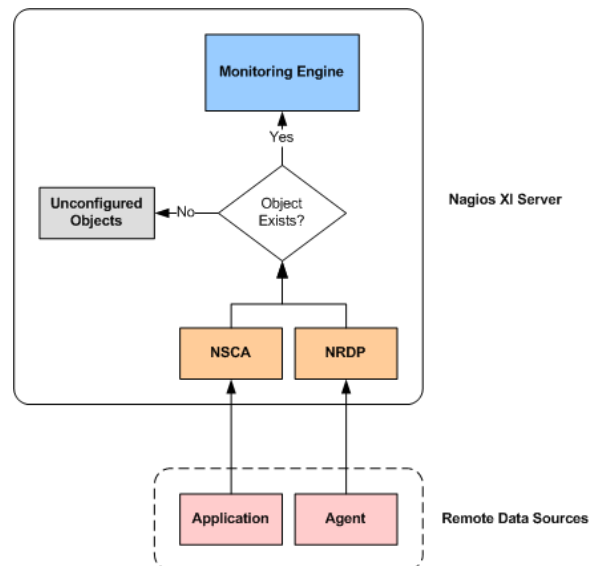
External applications and agents can submit passive host and service checks results to Nagios XI using the NSCA and/or NRDP APIs. These APIs are configured using the *Inbound Check Transfers* administrative interface in Nagios XI.

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

You can access the unconfigured objects administration page under the admin interface of Nagios XI.

To do so, select the **Unconfigured Objects** menu option under the *Monitoring Config* category of the admin menu.

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.

Administrators can delete unwanted hosts and services from the list of unconfigured objects by clicking the delete button (X).

Note: Deleted objects may re-appear later if more passive results are received for them.

To add a host and its associated services to the monitoring engine, simply click the configure button (▶) next to the host. This will direct you to the unconfigured objects monitoring wizard, where you can define notification parameters and add them to the monitoring engine.

Tip: You may configure multiple hosts by checking the box next to each host name and clicking the configure button at the bottom of the table.

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 NRPD (as defined in your [inbound transfer settings](#)) or through the direct check submission API.

You may delete unneeded host and services or add them to your monitoring configuration through this page.

| <input type="checkbox"/> | Host | Service | Last Seen | Actions |
|--------------------------|-----------|---------|---------------------|---------|
| <input type="checkbox"/> | somehost3 | - | 2011-02-27 17:27:02 | X ▶ |
| | | test | 2011-02-27 17:27:02 | X |
| <input type="checkbox"/> | somehost4 | - | 2011-02-27 17:27:02 | X ▶ |

With Selected: X ▶

Unconfigured Object Configuration Wizard

The unconfigured passive object wizard allows you to easily add the hosts and services you selected to the monitoring engine.

Following the configuration wizard through to completion.

Unconfigured Passive Object Monitoring Wizard - Step 3



Hosts

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

```
somehost3
somehost4
```

Back Next

When you finish the wizard, the new hosts and services will be added to the monitoring engine.

Unconfigured Passive Object Monitoring Wizard

- ✔ Configuration submitted for processing...
- ✔ Waiting for configuration verification.....
- ✔ Configuration applied successfully.

Configuration Request Successful

Your configuration changes have been successfully applied to the monitoring engine.

[Run the Monitoring Wizard Again](#)

Other Options:

- [View the latest configuration snapshots](#)

The new hosts and services that have been added to the monitoring engine will appear in the Nagios XI interface as passive objects. The image to the right shows what some newly configured hosts look like before passive checks are received for this.

Showing 1-2 of 2 total matches for 'some' ✕

| Host | Status | Duration | Attempt | Last Check | Status Information |
|-----------|---------|----------|---------|------------|----------------------------------|
| somehost3 | Pending | N/A | 1/5 | N/A | No check results for host yet... |
| somehost4 | Pending | N/A | 1/5 | N/A | No check results for host yet... |

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Once passive check results are received for the hosts, their new status will be reflected in the interface, as shown in the image to the right.

Showing 1-2 of 2 total matches for 'some' ✕

| Host | Status | Duration | Attempt | Last Check | Status Information |
|-----------|--------|----------|---------|---------------------|------------------------|
| somehost3 | Up | N/A | 1/5 | 2011-03-05 16:36:06 | Everything looks okay |
| somehost4 | Up | N/A | 1/5 | 2011-03-05 16:36:16 | Server is operational. |

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Wrapping Up

That's all you have to do to configure previously unconfigured hosts and services in Nagios XI. Simple!