

## The Industry Standard in IT Infrastructure Monitoring

### Purpose

This document describes how to configure Nagios XI to SNMP traps to other management hosts or network management systems whenever host or service state changes (alerts) occur.

### Target Audience

This document is intended for use by Nagios XI Administrators.

### Version Requirements

In order to use the methods described in this document, you must be running Nagios XI version 2009R1.2C or later

### Component Installation

You must install an optional component in Nagios XI in order to enable it to send SNMP traps. The component you need to install can be downloaded from the following URL:

<http://assets.nagios.com/downloads/nagiosxi/components/snmptrapsender.zip>

You can install components in Nagios XI by accessing the **Manage Components** menu in the **Admin** section of the XI interface.

Upload the *snmptrapsender.zip* file you downloaded to install it in Nagios XI.



Once you upload the component zip file, the component should be visible in the components list.

You'll need to take a few additional steps outlined below in order to finish the installation and configuration.

### Manage Components

Component installed.

Manage the components installed on this system. You can find additional dashlets at [Nagios Exchange](#). Need a custom component created to extend Nagios XI's capabilities? [Contact us](#) for pricing information.

Upload a New Component:

Component	Type	Settings	Actions
<b>Nagios Core Integration</b> Provides integration with Nagios Core. Author: Nagios Enterprises, LLC	Core	-	-
<b>Nagios Core Configuration Manager</b> Provides core configuration UI integration. Author: Nagios Enterprises, LLC	Core	-	-
<b>NagiosQL Integration</b> Provides core integration with NagiosQL. Author: Nagios Enterprises, LLC	Core	-	-
<b>Performance Graphing</b> Provides integrated performance graphing functionality. Author: Nagios Enterprises, LLC	Core	-	-
<b>PNP Integration</b> Provides integration with PNP. Author: Nagios Enterprises, LLC	Core	-	-
<b>SNMP Trap Sender</b> Allows Nagios XI to send SNMP traps to other network management systems when host and service alerts occur. Author: Nagios Enterprises, LLC	User		
<b>Nagios XI Core Functions</b> Provides core functions and interface functionality for Nagios XI. Author: Nagios Enterprises, LLC	Core	-	-

## Installing Pre-Requisites

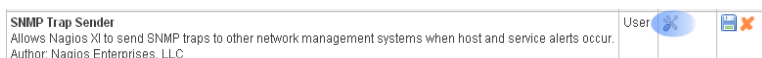
Before you can use the new SNMP trap sender component, you will need to run a setup script to install some software on your Nagios XI server. To do this, login to the Nagios XI server as the root user and run the following command:

```
/usr/local/nagiosxi/html/includes/components/snmptrapsender/installprereqs.sh
```

Once the script has finished installing the prerequisites, you can return to the component administration screen to finish configuration.

## Configuring SNMP Traps

Click on the component settings icon to access the component configuration page.



The SNMP trap sender component configuration screen allows you to define trap hosts that Nagios XI should send SNMP traps to when host and service changes (alerts) occur.

You must specify both an address and an SNMP community string in order to send SNMP traps to a host.

**Note:** The sending of SNMP traps will only be enabled if the *Enable Integration* option is checked.

When finished, click the **Apply Settings** button to save your settings.

### SNMP Trap Sender

#### Integration Settings

Enable Integration:  Enables SNMP trap sending functionality.

#### Trap Hosts

Specify the addresses of the hosts that SNMP traps should be sent to.

Host Address	SNMP Community
192.168.5.4	public
	public
	public

#### MIBs

You should install the following MIBs on the trap management hosts:

[NAGIOS-NOTIFY-MIB.txt](#)  
[NAGIOS-ROOT-MIB.txt](#)

## Finishing Up

Nagios XI should now be configured to send SNMP traps to your management host(s) when host and service state changes (alerts) occur.

Continue reading if you'd like some tips on verifying SNMP trap sending.

## Verifying SNMP Traps

If you're a Windows user, a great tool to use for checking for SNMP traps that are being received is the iReasoning MIB Browser available from <http://ireasoning.com/mibbrowser.shtml>

When you launch the MIB Browser, you can access the SNMP trap receiver utility by selecting the **Trap Receiver** selection from the **Tools** menu.

**Note:** In order for your Windows machine to receive traps, you will have to:

- Disable the Windows firewall and/or add an exception for SNMP traps
- Add the address of your Windows machine to the Nagios XI SNMP Trap Sender component configuration

