

The Industry Standard in IT Infrastructure Monitoring

Purpose

This document describes how to install the static binary Linux monitoring agent on a Linux machine. The static binary agent provides an easy method of installing a pre-compiled, statically linked set of binaries on one or more Linux machines. **Note:** *As of the time of writing, the static binary agent is under development and should be considered “beta”.*

Target Audience

This document is intended for use by Nagios Administrators who wish to monitor Linux servers with Nagios XI.

Installing the Agent

In order to install the agent, you will need to login to the Linux server you wish to monitor as the *root* user.

Once you have logged in, you can download the Linux NRPE static agent to */tmp* directory on the Linux server with the following commands:

```
cd /tmp
wget http://assets.nagios.com/downloads/nagiosxi/agents/Linux_Static_Agent.tar.gz.sh
```

Run the installation script you just downloaded with the following command:

```
./Linux_Static_Agent.tar.gz.sh
```

The agent binaries should now be installed on the Linux server. Proceed to the next steps to complete the required setup steps.

Firewall Modifications

You will need to modify your firewall setup to allow the Nagios XI server to talk to the NRPE agent that was just installed. NRPE requires that port 5666 (TCP) be open to the monitoring server.

If you are using the iptables firewall, add the following entry (or a similar one) to the */etc/sysconfig/iptables* file. Note: If this file is empty, you may not be using a firewall, so this step might not apply to you.

```
-A INPUT -m state --state NEW -m tcp -p tcp --dport 5666 -j ACCEPT
```

Save the file and restart the iptables service:

```
/etc/init.d/iptables restart
```

Modify NRPE Settings

The NRPE agent runs as a daemon on the Linux server. In order to allow the Nagios XI monitoring server to contact the NRPE agent, you will need to add the monitoring server's IP address to the NRPE configuration file and reload the NRPE service.

To do this, edit the */usr/local/nagios/etc/nrpe.cfg* file and set the *allowed_hosts* variable to the IP address of your Nagios XI server. For example:

```
allowed_hosts=192.168.5.87
```

Once you save the file, reload the NRPE service with the following command:

```
/etc/init.d/nrpe reload
```

Modify sudoers

Some checks require root privileges to be executed. In order to accomplish this, you must modify the `/etc/sudoers` file (typically using the `visudo` utility) and add the following lines:

```
# NEEDED TO ALLOW NAGIOS TO CHECK SERVICE STATUS
nagios ALL=NOPASSWD: /sbin/service
```

Finishing Up

You have now successfully installed and configured the monitoring agent and required plug-ins on the Linux server. In order to monitor the server using Nagios XI, you will need to run the appropriate configuration wizard in the Nagios XI web interface.

If you don't already have the Linux monitoring wizard installed in your Nagios XI instance, you can download the wizard from the Nagios Exchange site at:

<http://exchange.nagios.org/directory/Addons/Configuration/Configuration-Wizards/Linux-Nagios-XI-Wizard/details>