Purpose

This document describes how to install the Linux NRPE monitoring agent on target RHEL, CentOS, Fedora, Oracle Linux, CloudLinux, SLES, OpenSUSE, Ubuntu, and Debian Linux servers. Other Linux distributions may be added in the future.

Target Audience

This document is intended for Nagios Administrators who need to monitor Linux servers using NRPE with Nagios XI.

Supported Distributions

The Linux agent installation is currently supported on

- RHEL/CentOS/Oracle Linux/CloudLinux 5+
- Fedora 14+
- SLES 11+
- OpenSUSE 11+
- Ubuntu 12+
- Debian 6+.

Installing The Agent

1. Download the Linux NRPE agent to the `/tmp` directory on the Linux server you wish to monitor.

   ```
   cd /tmp
   wget https://assets.nagios.com/downloads/nagiosxi/agents/linux-nrpe-agent.tar.gz
   ```

2. Extract the downloaded archive and change into the extracted directory:

```
tar xzf linux-nrpe-agent.tar.gz
cd linux-nrpe-agent
```

3. Run the wrapper script as root (add `sudo` to the front of the command on Ubuntu if necessary):

```
./fullinstall
```

Install Notes :

- You can specify an installation mode using the `-m` flag:
  - **xinetd** mode: Installs NRPE under the xinetd init system
  - **daemon** mode: Installs NRPE under systemd.
- Newer distributions (e.g., CentOS Stream 9) may not include an xinetd package. In such cases, installation will default to daemon mode.
- When upgrading the XI Linux Agent on previously-monitored systems, you may need to remove the existing xinetd or systemd configuration if you changed modes across upgrades.

What the Installation Script Does:

The `fullinstall` script automates several key steps, including:

- Modifying the distro's package manager repositories
- Installing prerequisite packages
- Creating required users and groups
- Defining services for xinetd
- Compiling and installing the agent and plugins
- Configuring the firewall
- Configuring the agent

During installation, you will be prompted to enter the IP address(es) of your Nagios monitoring serer(s). You can specify:

- a single address
- a list of addresses separated only by spaces
- a subnet using CIDR notation like `10.25.0.0/16`.

These addresses will be added to the xinetd configuration, allowing only authorized Nagios servers communicate with the NRPE agent.

Finishing Up

This completes the documentation on how to install Linux NRPE agent. 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](#)