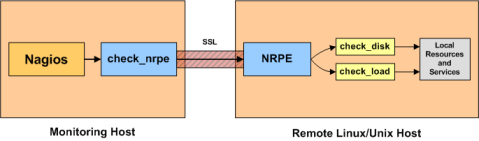
**How to Install NRPE on Ubuntu 16.04, 14.04, LinuxMint 18/17**

**NRPE (Nagios Remote Plugin Executor)** is used for executing Nagios plugins on remote client systems. In previous [article](https://tecadmin.net/install-nagios-monitoring-server-on-ubuntu/) we had described about installation of Nagios Server on Ubuntu operating system. This article will help you to install NRPE on Ubuntu 17.10, 16.04 LTS, 14.04, 12.04 & LinuxMint 18/17 systems.

[](https://tecadmin.net/wp-content/uploads/2014/05/nrpe.png)

**Step 1 – Install NRPE and Plugins**

NRPE is available under default apt repositories of Ubuntu systems. Execute the following command to install it

sudo apt-get update

sudo apt-get install nagios-nrpe-server nagios-plugins

**Step 2 – Configure NRPE Client**

In NRPE configuration, first we need to nrpe to which nagios servers it accepts requests, For example your nagios server ip is **192.168.1.100**, then add this ip to allowed hosts list. Edit NRPE configuration file **/etc/nagios/nrpe.cfg** and make changes like

allowed\_hosts=127.0.0.1, 192.168.1.100

we can add more Nagios servers in allowed hosts by comma separated list.

Now restart NRPE service. Now its ready to listen to requests from Nagios server

sudo /etc/init.d/nagios-nrpe-server restart

**Step 3 – Verify Connection to NRPE from Nagios**

Let’s log in to your Nagios server and verify that your Nagios server can communicate with NRPE service properly. Execute following command from Nagios server plugin directory, and we are assuming that your nrpe client-server IP is **192.168.1.11**.

check\_nrpe -H 192.168.1.11

NRPE v2.15

The output “NRPE v2.15” shows that Nagios server successfully communicated with NRPE.

**Step 4 – Add Check Commands in NRPE**

All the services check commands with the nagios plugins packages, which is by default installed in **/usr/lib/nagios/plugins/** for 32 bit systems. Default installation adds few commands in configuration file. Add more commands as per your requirements like below

vim /etc/nagios/nrpe.cfg

command[check\_users]=/usr/lib/nagios/plugins/check\_users -w 5 -c 10

command[check\_load]=/usr/lib/nagios/plugins/check\_load -w 15,10,5 -c 30,25,20

command[check\_hda1]=/usr/lib/nagios/plugins/check\_disk -w 20% -c 10% -p /dev/hda1

command[check\_zombie\_procs]=/usr/lib/nagios/plugins/check\_procs -w 5 -c 10 -s Z

command[check\_total\_procs]=/usr/lib/nagios/plugins/check\_procs -w 150 -c 200

**Step 5 – Start/Stop NRPE Service**

Use following commands to start, stop or restart NRPE service. Each time we make any changes in configuration file required to restart service

sudo /etc/init.d/nagios-nrpe-server stop

sudo /etc/init.d/nagios-nrpe-server start

sudo /etc/init.d/nagios-nrpe-server restart