                                          NAGIOS                                          

Nagios, now known as Nagios Core, is a free and open-source computer-software application that monitors systems, networks and infrastructure. Nagios offers monitoring and alerting services for servers, switches, applications and services  It alerts users when things go wrong and alerts them a second time when the problem has been resolved.

**NRPE**[[edit](https://en.wikipedia.org/w/index.php?title=Nagios&action=edit&section=3)]

Nagios Remote Plugin Executor (NRPE) is a Nagios agent that allows remote system monitoring using scripts that are hosted on the remote systems.[[6]](https://en.wikipedia.org/wiki/Nagios#cite_note-6) It allows for monitoring of resources such as disk usage, system load or the number of users currently logged in. Nagios periodically polls the agent on remote system using the check\_nrpe plugin.

NRPE allows you to remotely execute Nagios plugins on other Linux/Unix machines. This allows you to monitor remote machine metrics (disk usage, CPU load, etc.). NRPE can also communicate with some of the Windows agent add-ons, so you can execute scripts and check metrics on remote Windows machines, as well.

Installation:

Install apache2

sudo apt-get install apache2

Step1:

Install nagios By using below blog:

<https://tecadmin.net/install-nagios-monitoring-server-on-ubuntu/>

Step2:

Once successful installation done hit your url in browser

<http://3.87.227.136/nagios/>

Troubleshoting:

Step3:

Note: If you get any Php error use below link and install php modules

<https://linuxize.com/post/how-to-install-php-on-ubuntu-18-04/>

Solution: sudo apt install php libapache2-mod-php

Step4:If server is down follow below link to troubleshoot

<https://askubuntu.com/questions/817827/no-output-on-stdout-stderr-execvp-usr-local-nagios-libexec-check-ping-in-ub>

Step5:   5666, 80 open then dashboard will appear

If you want to add hosts to main servers follow below link:

<https://www.linuxhelp.com/how-to-add-host-into-nagios-server>

2nd method:

<https://www.howtoforge.com/tutorial/ubuntu-nagios/>

Follow the above blog from step2:

We have to install NRPE plugin in destination server

(Nagios Remote Plugin Executor)

After installing the dependencies, Open and add the Nagios server IP address into the configuration file.

root@linuxhelp:~# vim /etc/nagios/nrpe.cfg

server\_address=192.168.5.147

Now In main server make configuration changes in below path:

sudo vi /usr/local/nagios/etc/objects/localhost.cfg