# **Nagios Installation**

**Prerequisites**

sudo apt-get update

sudo apt-get install -y autoconf gcc libc6 make wget unzip apache2 php libapache2-mod-php7.4 libgd-dev

sudo apt-get install openssl libssl-dev

**Downloading the Source**

cd /tmp

wget -O nagioscore.tar.gz https://github.com/NagiosEnterprises/nagioscore/archive/nagios-4.4.6.tar.gz

tar xzf nagioscore.tar.gz

**Compile**

cd /tmp/nagioscore-nagios-4.4.6/

sudo ./configure --with-httpd-conf=/etc/apache2/sites-enabled

sudo make all

**Create User And Group**

sudo make install-groups-users

sudo usermod -a -G nagios www-data

**Install Binaries**

sudo make install

**Install Service / Daemon**

sudo make install-daemoninit

**Install Command Mode**

sudo make install-commandmode

**Install Configuration Files**

sudo make install-config

**Install Apache Config Files**

sudo make install-webconf

sudo a2enmod rewrite

sudo a2enmod cgi

**Configure Firewall**

sudo ufw allow Apache

sudo ufw reload

**Create nagiosadmin User Account**

sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin

**Start Apache Web Server**

sudo systemctl restart apache2.service

**Start Service / Daemon**

sudo systemctl start nagios.service

**Install Plugins**

sudo apt-get install -y autoconf gcc libc6 libmcrypt-dev make libssl-dev wget bc gawk dc build-essential snmp libnet-snmp-perl gettext

**Downloading The Source**

cd /tmp

wget --no-check-certificate -O nagios-plugins.tar.gz https://github.com/nagios-plugins/nagios-plugins/archive/release-2.3.3.tar.gz

tar zxf nagios-plugins.tar.gz

**Compile + Install**

cd /tmp/nagios-plugins-release-2.3.3/

sudo ./tools/setup

sudo ./configure

sudo make

sudo make install

**Service / Daemon Command**s

sudo systemctl start nagios.service

sudo systemctl stop nagios.service

sudo systemctl restart nagios.service

sudo systemctl status nagios.service

**Apache SSL configurations**

sudo a2enmod ssl

sudo a2ensite default-ssl.conf

sudo systemctl restart apache2

sudo nano /etc/apache2/sites-enabled/000-default.conf

RewriteEngine on

RewriteCond %{HTTPS} off

RewriteRule ^(.\*) https://%{HTTP\_HOST}/$1

Sudo systemctl restart apache2

**Configuring Nagios**

sudo nano /usr/local/nagios/etc/nagios.cfg

Uncomment below line

##cfg\_dir=/usr/local/nagios/etc/servers

sudo mkdir /usr/local/nagios/etc/servers

sudo nano /usr/local/nagios/etc/objects/contacts.cfg

## replace your email ##

sudo nano /usr/local/nagios/etc/objects/commands.cfg

define command{

command\_name check\_nrpe

command\_line $USER1$/check\_nrpe -H $HOSTADDRESS$ -c $ARG1$

}

**Configuring Nrpe**

sudo apt-get install nagios-plugins nagios-nrpe-serverNext, open the /etc/nagios/nrpe.cfg file. Replace the value of allowed\_hosts with 127.0.0.1,0.0.0.0 replacing the second IP with the IP address of the Nagios server.

We will now open the file /etc/nagios/nrpe.cfg and replace a couple of values.

Replace the value of server\_address to the private IP address of the host.

Set allowed\_hosts to the private IP address of your Nagios server.

Execute df -h /, copy the output, and put that as the value of command. It indicates your root file system.

Save the file when you are finished.

**service nagios-nrpe-server restart**

**sudo nano /usr/local/nagios/etc/servers/host.cfg**

define host {

use linux-server

host\_name yourhost# change this

alias My first Apache server #change this

address 1.2.3.4 #change ip address

max\_check\_attempts 5

check\_period 24x7

notification\_interval 30

notification\_period 24x7

}

service nagios reload

<https://www.vultr.com/de/docs/install-nagios-on-ubuntu-20-04/>