# Install Nagios

sudo apt-get install php
sudo apt-get install apache2
sudo apt-get install php libapache2-mod-php
sudo useradd nagios
sudo groupadd newnagcmd
sudo usermod -a -G newnagcmd nagios
sudo apt-get install -y build-essential apache2-utils sendmail daemon

```
curl -L -O https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.3.4.tar.gz
tar xvf nagios-*.tar.gz
cd nagios-*
```

./configure --with-nagios-group=nagios --with-command-group=newnagcmd --with-mail=/usr/bin/sendmail -with-httpd-conf=/etc/apache2/sites-enabled

```
In case Zip in not install (sudo apt-get install zip unzip)
```

sudo make all
sudo make install
sudo make install-init
sudo make install-config
sudo make install-commandmode

```
/usr/bin/install -c -m 644 sample-config/httpd.conf /etc/apache2/sites-
available/nagios.conf
```

sudo cp -R contrib/eventhandlers/ /usr/local/nagios/libexec
sudo chown -R nagios:nagios /usr/local/nagios/libexec/eventhandlers
sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg
sudo /etc/init.d/nagios start
if start failed
sudo nano /etc/systemd/system/nagios.service
-    Paste file the following
[Unit]
Description=Nagios
BindTo=network.target

[Install]
WantedBy=multi-user.target

[Service]
User=nagios
Group=nagios
Type=simple
ExecStart=/usr/local/nagios/bin/nagios /usr/local/nagios/etc/nagios.cfg
sudo systemctl enable /etc/systemd/system/nagios.service
sudo systemctl  start nagios
sudo /etc/init.d/nagios start
sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin

```
ln -s /etc/apache2/sites-available/nagios.conf /etc/apache2/sites-enabled/
```
cd ../

Install Nagios Plugins
```
curl -L -O http://nagios-plugins.org/download/nagios-plugins-
2.2.1.tar.gz
tar xvf nagios-plugins-*.tar.gz
cd nagios-plugins-*
./configure --with-nagios-user=nagios --with-nagios-group=nagios --with-
openssl
```
sudo make

sudo make install

sudo ln -s /etc/init.d/nagios /etc/rcS.d/S99nagios

sudo iptables -I INPUT -p tcp --destination-port 80 -j ACCEPT
```
sudo nano /usr/local/nagios/etc/nagios.cfg
```
--Remove hashtag on front the following
```
cfg_dir=/usr/local/nagios/etc/servers
sudo mkdir /usr/local/nagios/etc/servers
sudo nano /usr/local/nagios/etc/objects/contacts.cfg (add your email address)
sudo nano /usr/local/nagios/etc/servers/host.cfg
-    Paste the following with your AWS Private IP address
```
```
define host {
  use                           linux-server
  host_name                     CentralNagios
  alias                         NagiosAWS
  address                       172.31.46.127
  max_check_attempts            5
  check_period                  24x7
  notification_interval         30
  notification_period           24x7
}

define service {
        use                     generic-service
        host_name               CentralNagios
        service_description     PING
        check_command           check_ping!100.0,20%!500.0,60%
}
    sudo nano /usr/local/nagios/etc/servers/mysql.cfg
    sudo nano /usr/local/nagios/etc/servers/openldap.cfg
    sudo service nagios reload
    sudo apt-get install nagios-nrpe-server nagios-plugins -y
    sudo nano  /etc/nagios/nrpe.cfg
    ---Edit the file and the Allow-Host add your public IP
    allowed_hosts=127.0.0.1 13.58.168.247
    sudo service nagios-nrpe-server restart
    sudo service apache2 restart
    sudo service nagios restart
    IPaddress/Nagios (login to Nagios)
```