1. To Confirm that Nagios is running on the server side, run this sudo systemctl status nagios on the "NAGIOS HOST".

Before we begin,

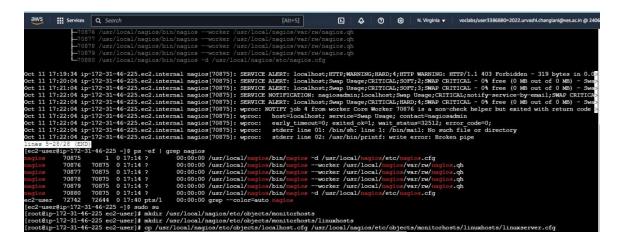
To monitor a Linux machine, create an Ubuntu 20.04 server EC2 Instance in AWS.

Provide it with the same security group as the Nagios Host and name it 'ubuntu' alongside the host.



3. On the server, run this command

ps -ef | grep nagios



Become a root user and create 2 folders

sudo su

mkdir /usr/local/nagios/etc/objects/monitorhosts

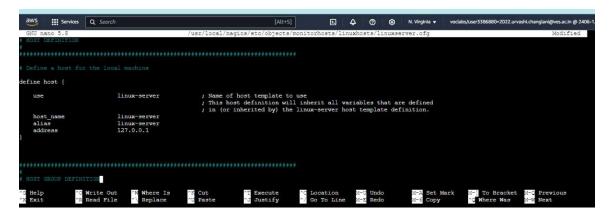
mkdir /usr/local/nagios/etc/objects/monitorhosts/linuxhosts

Open linuxserver.cfg using nano and make the following changes

nano

/usr/local/nagios/etc/objects/monitorhosts/linuxhosts/linuxserver.cfg

Everywhere else on the file, change the hostname to linuxserver instead of localhost.



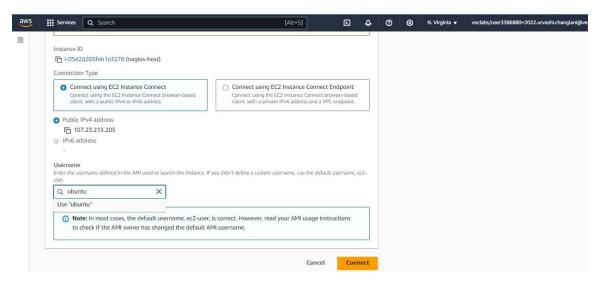
Verify the configuration files

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| Most |
```

Restart the nagios service

service nagios restart

SSH into the machine or simply use the EC2 Instance Connect feature.



Make a package index update and install gcc, nagios-nrpe-server and the plugins.

sudo apt update -y

sudo apt install gcc -y

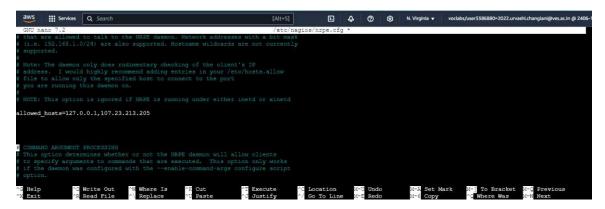
sudo apt install -y nagios-nrpe-server nagios-plugins

```
ubuntu@ip-172-31-37-48:-$ sudo apt install gcc -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
binutils binutils-common binutils-x86-64-linux-gnu cpp cpp-13 cpp-13-x86-64-linux-gnu cpp-x86-64-linux-gnu fontconfig-config fonts-dejavu-core
fonts-dejavu-mon gcc-13 gcc-13-base gcc-13-x86-64-linux-gnu gcc-x86-64-linux-gnu libacm3 libasand libatemic libbinutils libc-dev-bin libc-dev-bin libc-dev-bin libc-dev-bin libc-dev-bin libc-dev-bin libc-dev-bin-libc-dev-libc-1-0 libcrypt-dev libctf-nobfd0 libctf0 libde265-0 libdef1 libdea61-0 libc-dev-bin libping-tip-dev-bin libg-gc-13-dev libgd3 libgomp1 libgrofng0 libheif-plugin-ammdec
libheif-plugin-ammen libeif-plugin-libde265-1 libbeif1 libbwasnah libis-123 libtum1 libping0 libppg-turbo8 libjeg8 liblerc4 liblsan0 libmpc3 libquadmath0
libsframe1 libsharpyuv0 libtiff6 libtsan2 libubsan1 libwebp7 libxpm4 linux-libc-dev manpages-dev rpcsvc-proto
Suggested packages:
linutils-doc gpforng-gui cpp-doc gcc-13-locales cpp-13-doc gcc-multilib make autoconf automake libtool flex bison gdb gcc-doc gcc-13-multilib gcc-13-doc
gdb-x86-64-linux-gnu glibc-doc libgd-tools libheif-plugin-x265 libbeif-plugin-ffmpegdec libheif-plugin-jpegdec libheif-plugin-jpegdec libheif-plugin-jpegdec libheif-plugin-jpegdec libheif-plugin-jpegdec libheif-plugin-jpegdec libheif-plugin-jpegdec libheif-plugin-jpegdec libheif-plugin-ycore
the following NEW packages will be installed:
buntils-group buntils-group buntils-group grap-gcc-13 cpp-13-x86-64-linux-gnu gcp-x86-64-linux-gnu fontconfig-config fonts-dejavu-core
```

Open nrpe.cfg file to make changes.

sudo nano /etc/nagios/nrpe.cfg

Under allowed_hosts, add your nagios host IP address like so

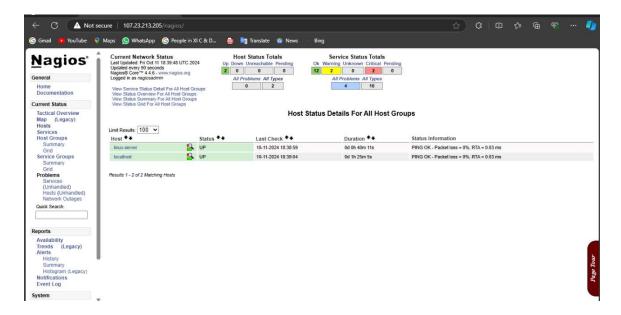


Restart the NRPE server

sudo systemctl restart nagios-nrpe-server

Now, check your nagios dashboard and you'll see a new host being added.

Click on Hosts



click Services to see all services and ports being monitored.

