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Part1

ssh into nagios ec2

sudo apt update && sudo apt upgrade

ssh-keygen to make a public and private key

Copy the contents of your public key

cat public\_key file on your nagios server

cd ~/.ssh on your lamp server

Sudo nano authorize\_keys file on your lamp server

Paste the contents of your public key in a new line

Open a new terminal and ssh into your lamp server

Login with sudo su -

Copy the contents of the private key on your nagios server to the lamp

Chmod 600 on your private key

Ssh using the private key in your nagios to get into the lamp server

Part2

Modify the SG for lamp server to allow all traffic inbound

sudo echo "deb http://security.ubuntu.com/ubuntu bionic-security main" | sudo tee -a /etc/apt/sources.list.d/bionic.list

Sudo apt update and upgrade

apt-cache policy libssl1.0-dev

Part 3

Ssh into your nagios server

cd into the /usr/local/nagiosxi/scripts/automation/ansible/ncpa\_autoregister directory and add only your LAMP private ip to the hosts.example file.

cd /usr/local/nagiosxi/scripts/automation/ansible/ncpa\_autoregister

sudo nano hosts.example file

Add your private lamp ip to the host file

Change the name of the file to hosts

sudo mv hosts.example hosts

Decrypt your file

sudo ansible-vault decrypt secrets.yml --ask-vault-pass

Password is nagiosxi

Login to your nagios account

Nagiosadmin

Password

Get your api key copy it

Sudo nano secrets.yml

Paste your api key in the quotations of the xi-api

sudo ansible-playbook -i hosts --private-key=/home/ubuntu/.ssh/nagios ncpa\_install\_and\_register.yml -u root --ask-vault-pass

Password is nagiosxi

Sudo nano ncpa\_install\_and\_register.yml

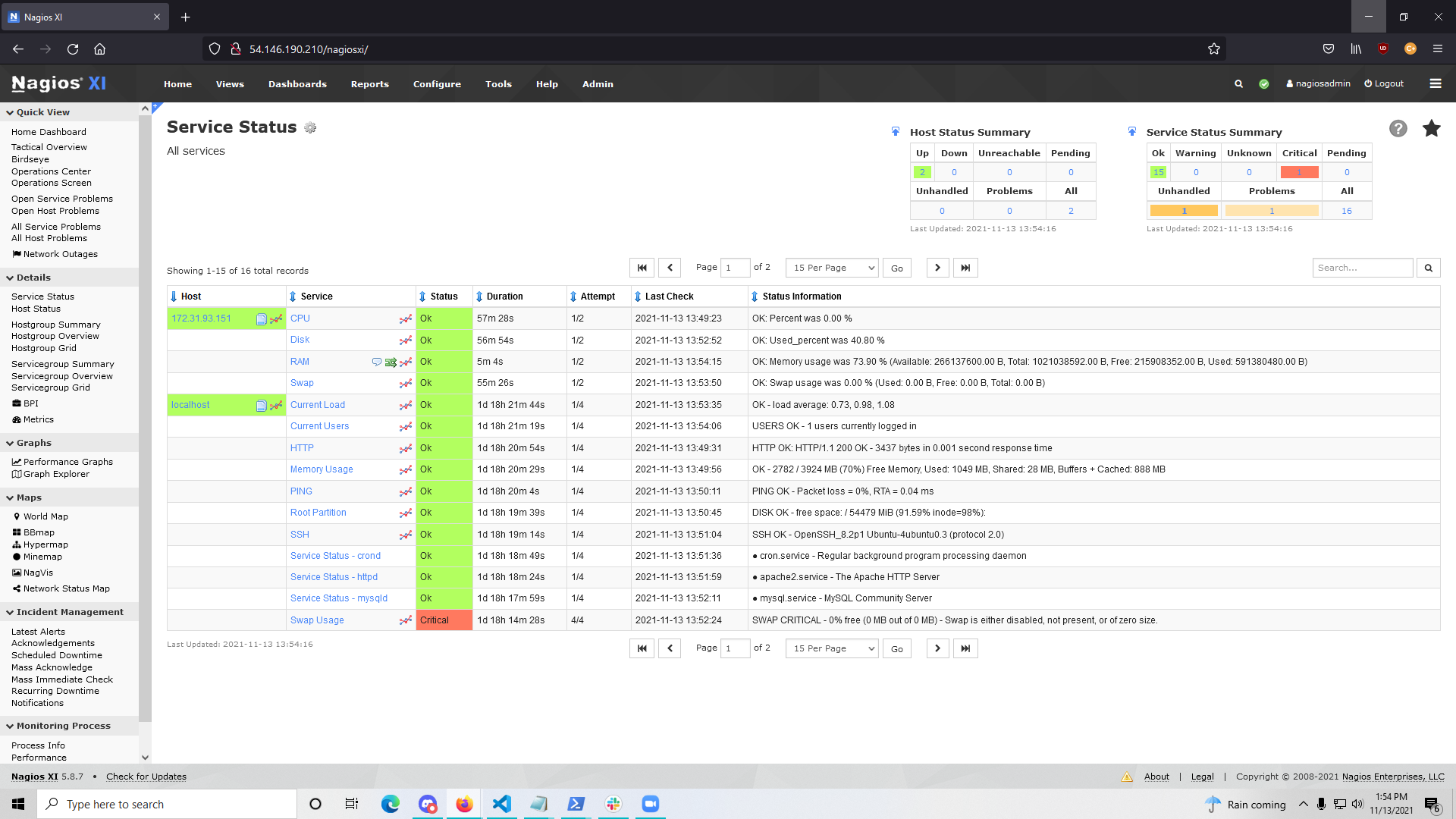
Change to private ip of your nagios server

Part 5

Lamp server

sudo apt install stress-ng

* + Use the below test one at a time to test the server:
    - CPU test: stress-ng --cpu 0 -t 1m
    - MEM test: stress-ng --vm 2 --vm-bytes 80%
    - Disk: stress-ng --hdd 1 --hdd-bytes 100%



Implemented a monitoring service to our lamp stack ec2 by installing a agent onto it and having it send metrics to our nagios