

## **EXPERIMENT – 10**

### **Q1. What is Nagios? Comment on why we need Nagios tool?**

Nagios is an open-source tool that is widely used to monitor the systems, infrastructure, and networks so that performance bottlenecks can be identified. The tool offers several services like monitoring of servers, applications, and switches and also sends alerts to the user when any performance issue is identified in the system. The tool is also capable to send alerts when the issue is identified.

#### **Need of Nagios:**

- ▲ Nagios can describe the event handler that executes at the time of host events or services to take a resolution for proactive problems. It is also used to support redundancy in monitoring hosts.
- ▲ It can also be monitored in hardware tools like a probe for alarm, a temperature that can send collected information through the network by configured written plugins. The remote monitoring can be established through Nagios remote plugin executor via SSL and SSH encrypted channels. The automated rotation of log files and parallel execution of service checks can be made using Nagios.
- ▲ Nagios performs the process on the database backend, data graphing and implements redundancy in monitoring the host. The web interface to view the current status of the network, problem history, notification manager, files, logs, etc.
- ▲ Nagios has other services like Nagios Remote Plugin Executor abbreviated as NRPE, Nagios Remote Data processor (NRDP), Nagios Cross-Platform Agent, and for windows client machines it uses NSClient++.

## Step 1: Login to AWS Management Console Dashboard.

The screenshot shows the AWS Management Console Dashboard. At the top, there's a search bar with placeholder text "Search for services, features, blogs, docs, and more" and a keyboard shortcut "[Alt+S]". Below the search bar, the "Services" tab is selected. A sidebar on the left lists "Recently visited" services: Cloud9, Lightsail, EC2, S3, Lambda, AWS Cloud Map, AWS Billing Conductor, Elastic Beanstalk, Elastic Container Service, and CloudWatch. At the bottom of the dashboard, there are links for "Feedback", "Language selection", "Privacy", "Terms", and "Cookie preferences".

Step 2: Search for EC2 → Click on Launch instance → Give a name to your instance and create an Amazon Linux instance with 2AMI version.

The screenshot shows the AWS Cloud9 search results for "ec2". The search bar at the top has "ec2" typed into it. On the left, there's a sidebar with categories like Services (8), Features (46), Blogs (1,810), Documentation (131,877), Knowledge Articles (30), Tutorials (19), Events (10), and Marketplace (1,588). The main search results area shows "Search results for 'ec2'" with three items listed: "EC2" (Virtual Servers in the Cloud), "EC2 Image Builder" (A managed service to automate build, customize and deploy OS images), and "AWS Compute Optimizer" (Recommend optimal AWS Compute resources for your workloads). The "EC2" item is highlighted with a red box.

EC2 Management Console

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Gmail YouTube Meet - qio-ibhy-eej Your environments https://classroom.go...

aws Services Search for services, features, blogs, docs, and more [Alt+S] N. Virginia AYESHA SAYYED

S3

## Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

**Name and tags Info**

Name  Add additional tags

**Application and OS Images (Amazon Machine Image) Info**

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to run your application.

Feedback Looking for language selection? Find it in the new Unified Settings Feedback

Privacy Terms Cookie preferences

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Launch an instance | EC2 Management Console

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Gmail YouTube Meet - qio-ibhy-eej Your environments https://classroom.go...

aws Services Search for services, features, blogs, docs, and more [Alt+S] N. Virginia AYESHA SAYYED

S3

## Quick Start

Amazon Linux aws

macOS

Ubuntu

Windows

Red Hat

SUSE

Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type  
ami-026b57f3c383c2eec (64-bit (x86)) / ami-0636eac5d73e0e5d7 (64-bit (Arm))  
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

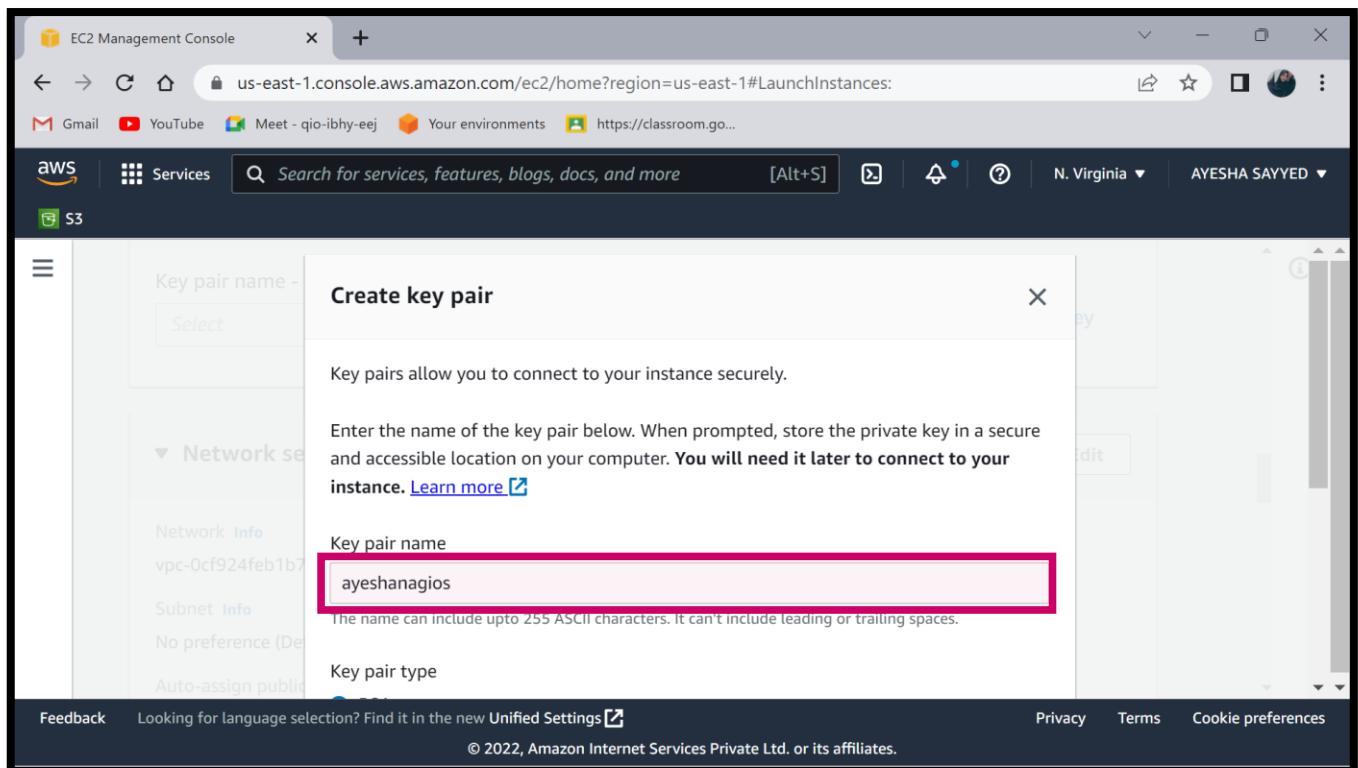
Description

Feedback Looking for language selection? Find it in the new Unified Settings Feedback

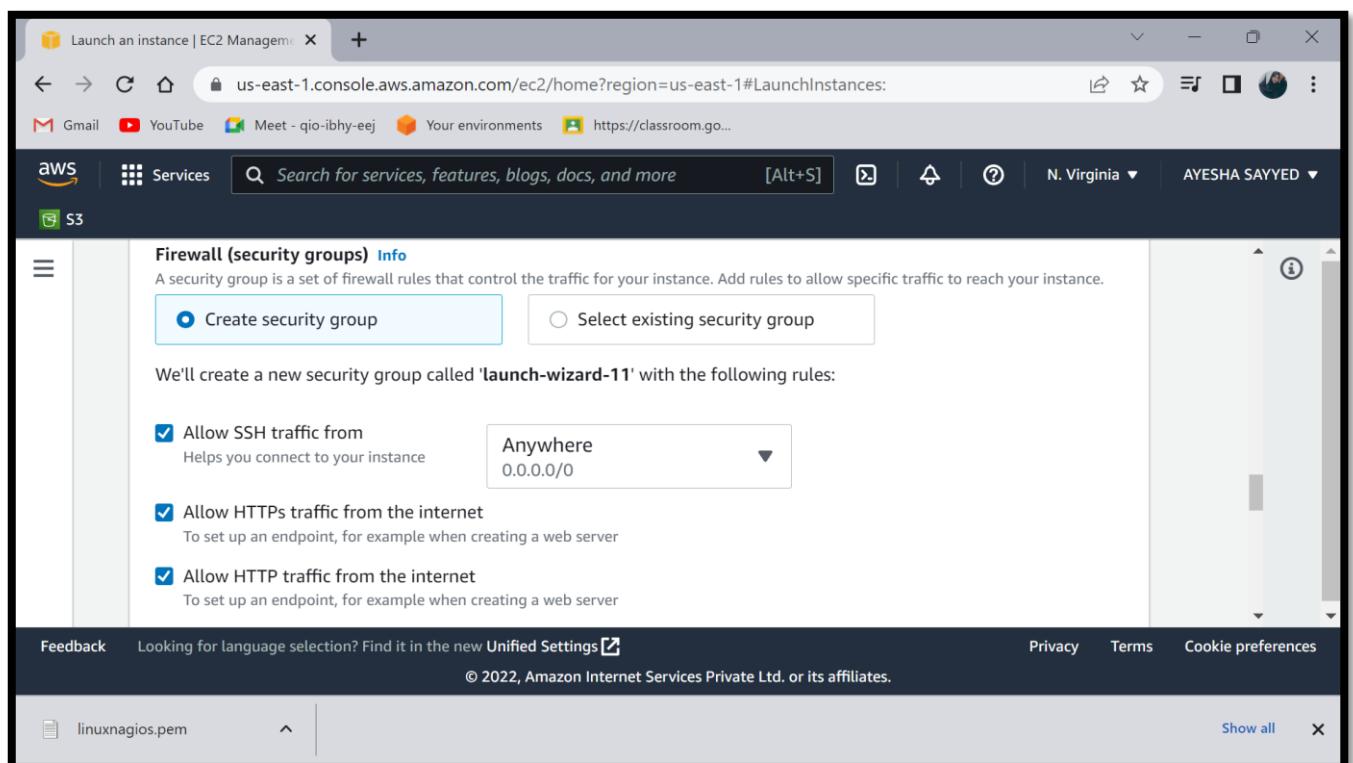
Privacy Terms Cookie preferences

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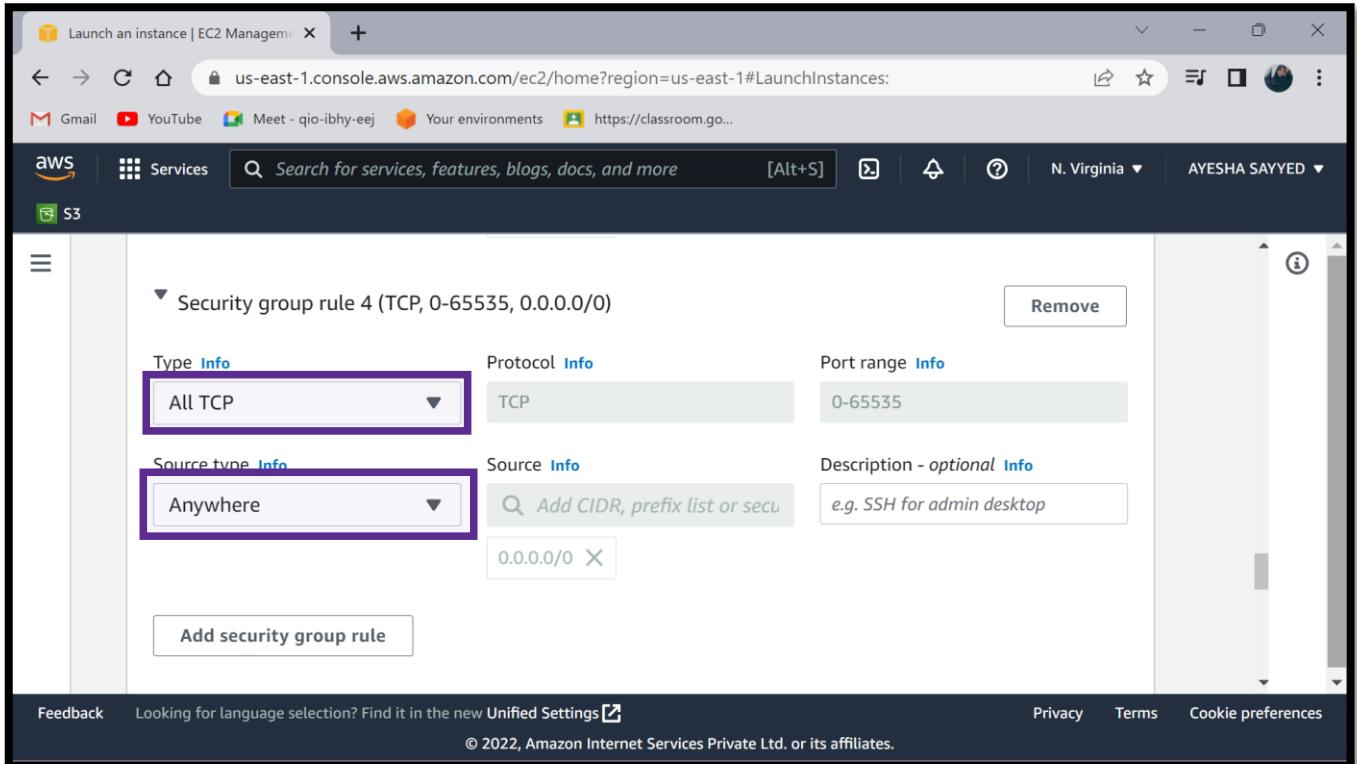
### Step 3: Create new key pair for your instance.



### Step 4: Network Settings→allow the HTTPS and HTTP traffic→Click on edit.

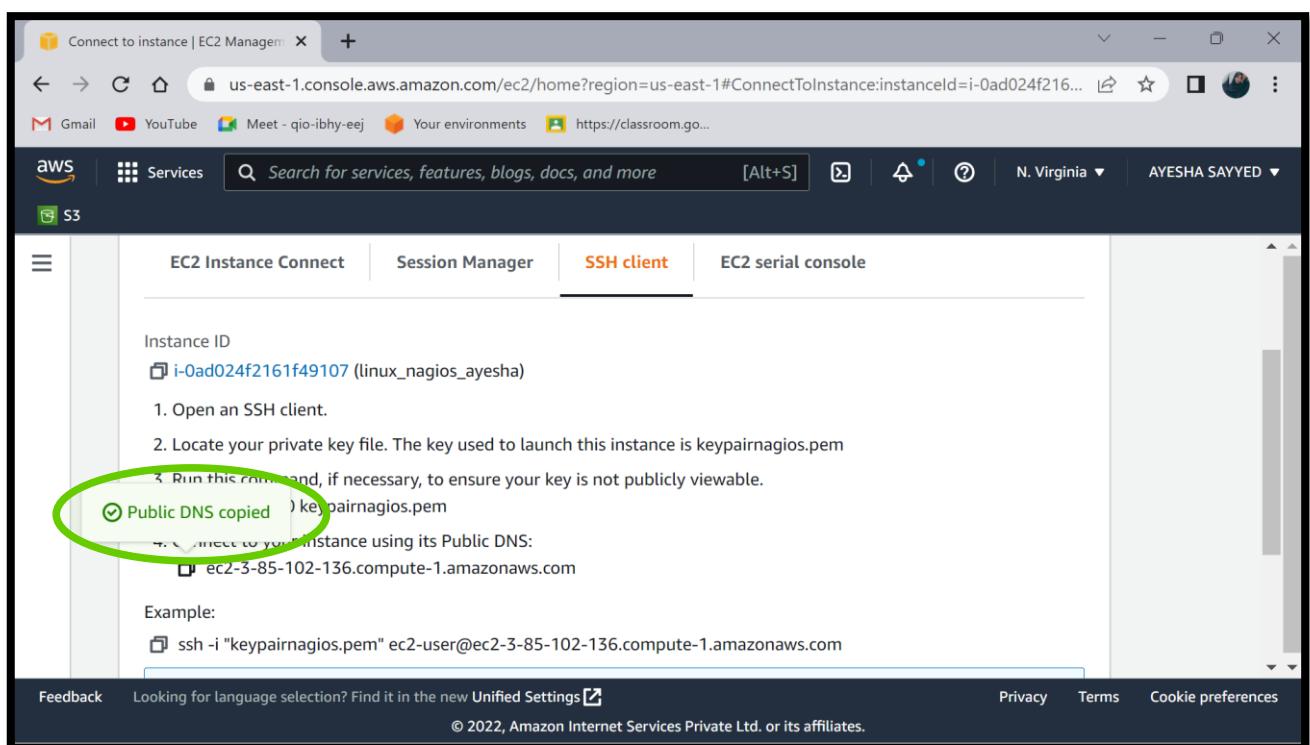


**Step 5: Click on “Add security group rule” → In Type select “All TCP”→In source type choose “Anywhere”.**



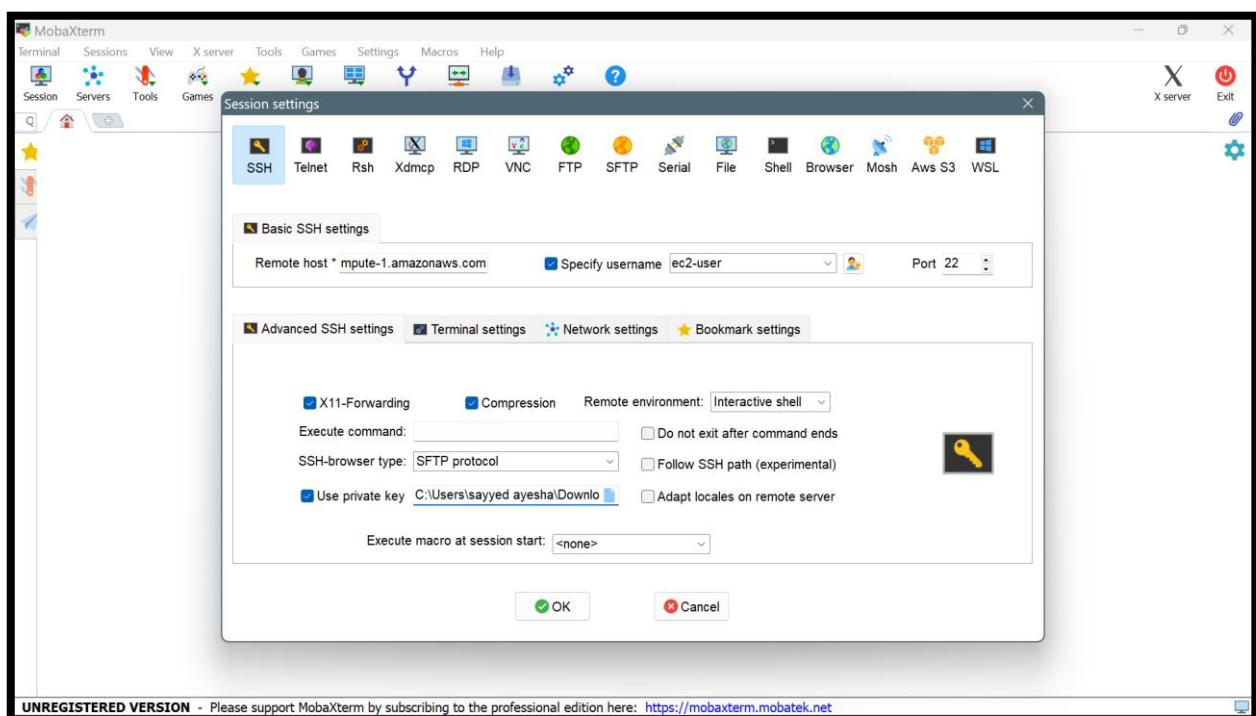
The screenshot shows the AWS Management Console with the EC2 service selected. A new security group rule is being configured under 'Security group rule 4 (TCP, 0-65535, 0.0.0.0/0)'. The 'Type' dropdown is set to 'All TCP', the 'Protocol' dropdown is set to 'TCP', and the 'Port range' is '0-65535'. The 'Source type' dropdown is set to 'Anywhere'. A purple box highlights the 'Type' and 'Source type' fields. The 'Description - optional' field contains 'e.g. SSH for admin desktop'. A 'Remove' button is visible in the top right corner. At the bottom, there is a 'Add security group rule' button and a note about language selection.

**Now Launch Instance → then View All The Instances.  
Step 6: Copy Public DNS from SSH Client.**



The screenshot shows the AWS Management Console with the EC2 service selected. The 'SSH client' tab is active. It displays instructions for connecting via SSH, including the instance ID 'i-0ad024f2161f49107 (linux\_nagios\_ayesha)' and the public DNS 'ec2-3-85-102-136.compute-1.amazonaws.com'. A green circle highlights the 'Public DNS copied' message, which includes a checkmark and the text 'Public DNS copied'. Below this, there are steps for connecting via SSH and an example command: 'ssh -i "keypairnagios.pem" ec2-user@ec2-3-85-102-136.compute-1.amazonaws.com'. A note at the bottom says 'Public DNS copied'.

**Step 7: Go to MobaXterm → Session → SSH → ADV SSH Setting and then allow it.**



## **Step 8: Run the following commands for Nagios installation on EC2 Linux**

```
▲ sudo su
▲ yum install httpd php
▲ yum install gcc glibc glibc-common
▲ yum install gd gd-devel
▲ adduser -m nagios
▲ passwd nagios
▲ groupadd nagioscmd
▲ usermod -a -G nagioscmd nagios
▲ usermod -a -G nagioscmd apache
▲ mkdir ~/downloads
▲ cd ~/downloads
▲ wget http://prdownloads.sourceforge.net/sourceforge/nagios/nagios4.0.8.tar.gz
▲ wget http://nagios-plugins.org/download/nagios-plugins-2.3.3.tar.gz
▲ tar zxvf nagios-4.0.8.tar.gz
▲ cd nagios-4.0.8
▲ ./configure --with-command-group=nagioscmd
▲ make all
▲ make install
▲ make install-init
▲ make install-config
▲ make install-commandmode
▲ make install-webconf
▲ htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
▲ service httpd restart
▲ cd ~/downloads
▲ tar zxvf nagios-plugins-2.3.3.tar.gz
▲ cd nagios-plugins-2.3.3
▲ ./configure --with-nagios-user=nagios --with-nagios-group=nagios
▲ make
▲ make install
▲ chkconfig --add nagios
▲ chkconfig nagios on
▲ /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg
▲ service nagios start
▲ service httpd restart
```

```
ec2-3-85-102-136.compute-1.amazonaws.com (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Q [2] ec2-3-85-102-136.compute-1.amazonaws.com (ec2-user) https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-92-80 ~]$ sudo su
[root@ip-172-31-92-80 ec2-user]# yum install httpd php
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Package httpd.x86_64 0:2.4.54-1.amzn2 will be installed
--> Processing Dependency: httpd-tools = 2.4.54-1.amzn2 for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem = 2.4.54-1.amzn2 for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: system-logos-httdp for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.54-1.amzn2.x86_64
--> Package php.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-cli(x86_64) = 5.4.16-46.amzn2.0.2 for package: php-5.4.16-46.amzn2.0.2.x86_64
--> Processing Dependency: php-common(x86_64) = 5.4.16-46.amzn2.0.2 for package: php-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
--> Package apr.x86_64 0:1.7.0-9.amzn2 will be installed
--> Package apr-util.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Processing Dependency: apr-util-bdb(x86_64) = 1.6.1-5.amzn2.0.2 for package: apr-util-1.6.1-5.amzn2.0.2.x86_64
--> Package generic-logos-httdp.noarch 0:18.0.0-4.amzn2 will be installed
--> Package httpd-filesystem.noarch 0:2.4.54-1.amzn2 will be installed
--> Package httpd-tools.x86_64 0:2.4.54-1.amzn2 will be installed
--> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed
--> Package mod_http2.x86_64 0:1.15.19-1.amzn2.0.1 will be installed
--> Package php-cli.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Package php-common.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: libzzip.so.2()(64bit) for package: php-common-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
--> Package apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Package libzlib010-compat.x86_64 0:0.10.1-9.amzn2.0.5 will be installed
--> Finished Dependency Resolution
Dependencies Resolved
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
```

```
ec2-3-85-102-136.compute-1.amazonaws.com (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Q [2] ec2-3-85-102-136.compute-1.amazonaws.com (ec2-user) Complete!
[root@ip-172-31-92-80 ec2-user]# yum install gcc glibc glibc-common
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
Package glibc-2.26-60.amzn2.x86_64 already installed and latest version
| 3.7 kB 00:00:00
Package glibc-common-2.26-60.amzn2.x86_64 already installed and latest version
Resolving Dependencies
--> Package gcc.x86_64 0:7.3.1-15.amzn2 will be installed
--> Processing Dependency: cpp = 7.3.1-15.amzn2 for package: gcc-7.3.1-15.amzn2.x86_64
--> Processing Dependency: libasan4 >= 7.3.1-15.amzn2 for package: gcc-7.3.1-15.amzn2.x86_64
--> Processing Dependency: libquadmath >= 7.3.1-15.amzn2 for package: gcc-7.3.1-15.amzn2.x86_64
--> Processing Dependency: libmpx >= 7.3.1-15.amzn2 for package: gcc-7.3.1-15.amzn2.x86_64
--> Processing Dependency: libitm >= 7.3.1-15.amzn2 for package: gcc-7.3.1-15.amzn2.x86_64
--> Processing Dependency: libcilkkrts >= 7.3.1-15.amzn2 for package: gcc-7.3.1-15.amzn2.x86_64
--> Processing Dependency: libatomic >= 7.3.1-15.amzn2 for package: gcc-7.3.1-15.amzn2.x86_64
--> Processing Dependency: glibc-devel >= 2.2.90-12 for package: gcc-7.3.1-15.amzn2.x86_64
--> Processing Dependency: libmpfr.so.4()(64bit) for package: gcc-7.3.1-15.amzn2.x86_64
--> Processing Dependency: libmpc.so.3()(64bit) for package: gcc-7.3.1-15.amzn2.x86_64
--> Running transaction check
--> Package cpp.x86_64 0:7.3.1-15.amzn2 will be installed
--> Package glibc-devel.x86_64 0:2.26-60.amzn2 will be installed
--> Processing Dependency: glibc-headers = 2.26-60.amzn2 for package: glibc-devel-2.26-60.amzn2.x86_64
--> Processing Dependency: glibc-headers for package: glibc-devel-2.26-60.amzn2.x86_64
--> Package libatomic.x86_64 0:7.3.1-15.amzn2 will be installed
--> Package libitm.x86_64 0:7.3.1-15.amzn2 will be installed
--> Package libomp.x86_64 0:1.0.1-3.amzn2.0.2 will be installed
--> Package libmpx.x86_64 0:7.3.1-15.amzn2 will be installed
--> Package libquadmath.x86_64 0:7.3.1-15.amzn2 will be installed
--> Package libsanitizers.x86_64 0:7.3.1-15.amzn2 will be installed
--> Package mpfr.x86_64 0:3.1.4-1.amzn2.0.2 will be installed
--> Running transaction check
--> Package glibc-headers.x86_64 0:2.26-60.amzn2 will be installed
--> Processing Dependency: kernel-headers >= 2.2.1 for package: glibc-headers-2.26-60.amzn2.x86_64
--> Processing Dependency: kernel-headers for package: glibc-headers-2.26-60.amzn2.x86_64
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```

Complete!  
[root@ip-172-31-92-80 ec2-user]# yum install gd gd-devel  
Loaded plugins: extras\_suggestions, langpacks, priorities, update-moto  
Resolving Dependencies  
→ Running transaction check  
--> Package gd.x86\_64 0:2.0.35-27.amzn2 will be installed  
--> Processing Dependency: libfontconfig.so.1()(64bit) for package: gd-2.0.35-27.amzn2.x86\_64  
--> Processing Dependency: libXpm.so.4()(64bit) for package: gd-2.0.35-27.amzn2.x86\_64  
--> Processing Dependency: libXi.so.6()(64bit) for package: gd-2.0.35-27.amzn2.x86\_64  
--> Package gd-devel.x86\_64 0:2.0.35-27.amzn2 will be installed  
--> Processing Dependency: zlib-devel for package: gd-devel-2.0.35-27.amzn2.x86\_64  
--> Processing Dependency: libpng-devel for package: gd-devel-2.0.35-27.amzn2.x86\_64  
--> Processing Dependency: libjpeg-devel for package: gd-devel-2.0.35-27.amzn2.x86\_64  
--> Processing Dependency: libXpm-devel for package: gd-devel-2.0.35-27.amzn2.x86\_64  
--> Processing Dependency: libXi-devel for package: gd-devel-2.0.35-27.amzn2.x86\_64  
--> Processing Dependency: freetype-devel for package: gd-devel-2.0.35-27.amzn2.x86\_64  
--> Processing Dependency: fontconfig-devel for package: gd-devel-2.0.35-27.amzn2.x86\_64  
--> Running transaction check  
--> Package fontconfig.x86\_64 0:2.13.0-4.3.amzn2 will be installed  
--> Processing Dependency: fontpackages-filesystem for package: fontconfig-2.13.0-4.3.amzn2.x86\_64  
--> Processing Dependency: dejavu-sans-fonts for package: fontconfig-2.13.0-4.3.amzn2.x86\_64  
--> Package fontconfig-devel.x86\_64 0:2.13.0-4.3.amzn2 will be installed  
--> Processing Dependency: pkgconfig(uuid) for package: fontconfig-devel-2.13.0-4.3.amzn2.x86\_64  
--> Processing Dependency: pkgconfig(expat) for package: fontconfig-devel-2.13.0-4.3.amzn2.x86\_64  
--> Package freetype-devel.x86\_64 0:2.8-14.amzn2.1 will be installed  
--> Package libXi.x86\_64 0:1.6.7-3.amzn2.0.2 will be installed  
--> Processing Dependency: libXi-common >= 1.6.7-3.amzn2.0.2 for package: libXi-1.6.7-3.amzn2.0.2.x86\_64  
--> Processing Dependency: libxcb.so.1()(64bit) for package: libXi-devel-1.6.7-3.amzn2.0.2.x86\_64  
--> Package libXi-devel.x86\_64 0:1.6.7-3.amzn2.0.2 will be installed  
--> Processing Dependency: pkgconfig(xcb) >= 1.11.1 for package: libXi-devel-1.6.7-3.amzn2.0.2.x86\_64  
--> Processing Dependency: pkgconfig(xproto) for package: libXi-devel-1.6.7-3.amzn2.0.2.x86\_64  
--> Processing Dependency: pkgconfig(xcb) for package: libXi-devel-1.6.7-3.amzn2.0.2.x86\_64  
--> Processing Dependency: pkgconfig(kbproto) for package: libXi-devel-1.6.7-3.amzn2.0.2.x86\_64  
--> Package libXpm.x86\_64 0:3.5.12-1.amzn2.0.2 will be installed  
--> Package libXpm-devel.x86\_64 0:3.5.12-1.amzn2.0.2 will be installed  
--> Processing Dependency: libXt.so.6()(64bit) for package: libXpm-devel-3.5.12-1.amzn2.0.2.x86\_64

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Complete!  
[root@ip-172-31-92-141 ec2-user]# adduser -m nagios  
[root@ip-172-31-92-141 ec2-user]#  
[root@ip-172-31-92-141 ec2-user]# passwd nagios  
Changing password for user nagios.  
New password:  
BAD PASSWORD: The password is shorter than 8 characters  
Retype new password:  
passwd: all authentication tokens updated successfully.  
[root@ip-172-31-92-141 ec2-user]#

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BAD PASSWORD: The password is shorter than 8 characters  
Retype new password:  
passwd: all authentication tokens updated successfully.  
[root@ip-172-31-92-141 ec2-user]# groupadd nagioscmd  
[root@ip-172-31-92-141 ec2-user]#  
[root@ip-172-31-92-141 ec2-user]# usermod -a -G nagioscmd nagios  
[root@ip-172-31-92-141 ec2-user]# usermod -a -G nagioscmd apache  
[root@ip-172-31-92-141 ec2-user]#  
[root@ip-172-31-92-141 ec2-user]# mkdir ~./downloadscd ~./downloads  
[root@ip-172-31-92-141 ec2-user]# mkdir ~./downloads  
mkdir: cannot create directory '/root/downloads': File exists  
[root@ip-172-31-92-141 ec2-user]# mkdir ~./downloads  
mkdir: cannot create directory '/root/downloads': File exists  
[root@ip-172-31-92-141 ec2-user]# rm  
rm: missing operand  
Try 'rm --help' for more information.  
[root@ip-172-31-92-141 ec2-user]# rm ~./downloads  
rm: cannot remove '/root/downloads': Is a directory  
[root@ip-172-31-92-141 ec2-user]# rm -d ~./downloads  
rm: remove directory '/root/downloads'? yes  
[root@ip-172-31-92-141 ec2-user]# mkdir ~./downloads  
[root@ip-172-31-92-141 ec2-user]# cd ~./downloads  
[root@ip-172-31-92-141 downloads]# wget http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-4.0.8.tar.gz  
--2022-10-05 08:54-- http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-4.0.8.tar.gz  
Resolving prdownloads.sourceforge.net (prdownloads.sourceforge.net)... 204.68.111.105  
Connecting to prdownloads.sourceforge.net (prdownloads.sourceforge.net)|204.68.111.105|:80 ... connected.

```
[root@ip-172-31-92-141 ~]# rm -r ~/downloads
rm: remove directory '/root/downloads'? yes
[root@ip-172-31-92-141 ~]# mkdir ~/downloads
[root@ip-172-31-92-141 ~]# cd ~/downloads
[root@ip-172-31-92-141 downloads]# wget http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-4.0.8.tar.gz
--2022-10-05 08:06:54-- http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-4.0.8.tar.gz
Resolving prdownloads.sourceforge.net (prdownloads.sourceforge.net) ... 204.68.111.105
Connecting to prdownloads.sourceforge.net (prdownloads.sourceforge.net)|204.68.111.105|:80 ... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: http://downloads.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz [following]
--2022-10-05 08:06:54-- http://downloads.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz
Resolving downloads.sourceforge.net (downloads.sourceforge.net) ... 204.68.111.105
Reusing existing connection to prdownloads.sourceforge.net:80.
HTTP request sent, awaiting response... 302 Found
Location: http://versaweb.dl.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz [following]
--2022-10-05 08:06:54-- http://versaweb.dl.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz
Resolving versaweb.dl.sourceforge.net (versaweb.dl.sourceforge.net) ... 162.251.232.173
Connecting to versaweb.dl.sourceforge.net (versaweb.dl.sourceforge.net)|162.251.232.173|:80 ... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1805059 (1.7M) [application/x-gzip]
Saving to: 'nagios-4.0.8.tar.gz'

100%[=====] 1,805,059 3.28MB/s in 0.5s

2022-10-05 08:06:55 (3.28 MB/s) - 'nagios-4.0.8.tar.gz' saved [1805059/1805059]

[root@ip-172-31-92-141 downloads]#
```

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```
ec2-54-224-134-83.compute-1.amazonaws.com (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Q 2. ec2-54-224-134-83.compute-1.am...
Location: http://downloads.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz [following]
--2022-10-05 08:06:54-- http://downloads.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz
Resolving downloads.sourceforge.net (downloads.sourceforge.net) ... 204.68.111.105
Reusing existing connection to prdownloads.sourceforge.net:80.
HTTP request sent, awaiting response... 302 Found
Location: http://versaweb.dl.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz [following]
--2022-10-05 08:06:54-- http://versaweb.dl.sourceforge.net/project/nagios/nagios-4.x/nagios-4.0.8/nagios-4.0.8.tar.gz
Resolving versaweb.dl.sourceforge.net (versaweb.dl.sourceforge.net) ... 162.251.232.173
Connecting to versaweb.dl.sourceforge.net (versaweb.dl.sourceforge.net)|162.251.232.173|:80 ... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1805059 (1.7M) [application/x-gzip]
Saving to: 'nagios-4.0.8.tar.gz'

100%[=====] 1,805,059 3.28MB/s in 0.5s

2022-10-05 08:06:55 (3.28 MB/s) - 'nagios-4.0.8.tar.gz' saved [1805059/1805059]

[root@ip-172-31-92-141 downloads]# wget http://nagios-plugins.org/download/nagios-plugins-2.3.3.tar.gz
--2022-10-05 08:07:56-- http://nagios-plugins.org/download/nagios-plugins-2.3.3.tar.gz
Resolving nagios-plugins.org (nagios-plugins.org) ... 45.56.123.251
Connecting to nagios-plugins.org (nagios-plugins.org)|45.56.123.251|:80 ... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2782610 (2.7M) [application/x-gzip]
Saving to: 'nagios-plugins-2.3.3.tar.gz'

100%[=====] 2,782,610 9.09MB/s in 0.3s

2022-10-05 08:07:56 (9.09 MB/s) - 'nagios-plugins-2.3.3.tar.gz' saved [2782610/2782610]

[root@ip-172-31-92-141 downloads]#
```

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```
[root@ip-172-31-92-141 downloads]# tar zxvf nagios-4.0.8.tar.gz
nagios-4.0.8/
nagios-4.0.8/.gitignore
nagios-4.0.8/Changelog
nagios-4.0.8/INSTALLING
nagios-4.0.8/LEGAL
nagios-4.0.8/LICENSE
nagios-4.0.8/Makefile.in
nagios-4.0.8/README
nagios-4.0.8/README.asciidoc
nagios-4.0.8/THANKS
nagios-4.0.8/UPGRADING
nagios-4.0.8/base/
nagios-4.0.8/base/.gitignore
nagios-4.0.8/base/Makefile.in
nagios-4.0.8/base/broker.c
nagios-4.0.8/base/checks.c
nagios-4.0.8/base/commands.c
nagios-4.0.8/base/config.c
nagios-4.0.8/base/events.c
nagios-4.0.8/base/flapping.c
nagios-4.0.8/base/logging.c
nagios-4.0.8/base/nagios.c
nagios-4.0.8/base/nagiosstats.c
nagios-4.0.8/base/nebmods.c
nagios-4.0.8/base/nerd.c
nagios-4.0.8/base/netutils.c
nagios-4.0.8/base/notifications.c
nagios-4.0.8/base/perfdata.c
```

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```
nagios 4.0.0/xdata/xsddefault.h
[root@ip-172-31-92-141 downloads]# cd nagios-4.0.8
[root@ip-172-31-92-141 nagios-4.0.8]# ./configure --with-command-group=nagioscmd
checking for a BSD-compatible "install" ... /bin/install -c
checking build system type... x86_64-unknown-linux-gnu
checking host system type... x86_64-unknown-linux-gnu
checking for gcc... gcc
checking for C compiler default output file name... a.out
checking whether the C compiler works... yes
checking whether we are cross compiling... no
checking for suffix of executables...
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking whether gcc accepts -g... yes
checking for gcc option to accept ISO C89... none needed
checking whether make sets $(MAKE)... yes
checking for strip... /bin/strip
checking how to run the C preprocessor... gcc -E
checking for grep that handles long lines and -e... /bin/grep
checking for egrep... /bin/grep -E
checking for ANSI C header files... yes
checking whether time.h and sys/time.h may both be included... yes
checking for sys/wait.h that is POSIX.1 compatible... yes
checking for sys/types.h... yes
checking for sys/stat.h... yes
checking for stdlib.h... yes
checking for string.h... yes
checking for memory.h... yes
checking for strings.h... yes
checking for inttypes.h... yes
```

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```
[root@ip-172-31-92-141 nagios-4.0.8]# make all
cd ./base && make
make[1]: Entering directory `/root/downloads/nagios-4.0.8/base'
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o nagios.o nagios.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o broker.o broker.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o nebmods.o nebmods.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o ..//common/shared.o ..//common/shared.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o nerd.o nerd.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o query-handler.o query-handler.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o workers.o workers.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o checks.o checks.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o config.o config.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o commands.o commands.c
commands.c: In function 'process_passive_service_check':
commands.c:2247:12: warning: assignment discards 'const' qualifier from pointer target type [-Wdiscarded-qualifiers]
  cr.source = command_worker.source_name;
^
commands.c: In function 'process_passive_host_check':
commands.c:2339:12: warning: assignment discards 'const' qualifier from pointer target type [-Wdiscarded-qualifiers]
  cr.source = command_worker.source_name;
^
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o events.o events.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o flapping.o flapping.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o logging.o logging.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o macros-base.o ..//common/macros.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o netutils.o netutils.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o notifications.o notifications.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o sehandlers.o sehandlers.c
gcc -Wall -I.. -g -O2 -DHAVE_CONFIG_H -DNSCORE -c -o utils.o utils.c
```

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```
Enjoy.

[root@ip-172-31-92-141 nagios-4.0.8]# make install
cd ./base && make install
make[1]: Entering directory `/root/downloads/nagios-4.0.8/base'
make install-basic
make[2]: Entering directory `/root/downloads/nagios-4.0.8/base'
/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/bin
/bin/install -c -m 774 -o nagios -g nagios nagios /usr/local/nagios/bin
/bin/install -c -m 774 -o nagios -g nagios nagiosstats /usr/local/nagios/bin
make[2]: Leaving directory `/root/downloads/nagios-4.0.8/base'
make strip-post-install
make[2]: Entering directory `/root/downloads/nagios-4.0.8/base'
/bin/strips /usr/local/nagios/bin/nagios
/bin/strips /usr/local/nagios/bin/nagiosstats
make[2]: Leaving directory `/root/downloads/nagios-4.0.8/base'
make[1]: Leaving directory `/root/downloads/nagios-4.0.8/base'
cd ./cgi && make install
make[1]: Entering directory `/root/downloads/nagios-4.0.8/cgi'
make install-basic
make[2]: Entering directory `/root/downloads/nagios-4.0.8/cgi'
/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/sbin
for file in *.cgi; do \
    /bin/install -c -m 775 -o nagios -g nagios $file /usr/local/nagios/sbin; \
done
make[2]: Leaving directory `/root/downloads/nagios-4.0.8/cgi'
make strip-post-install
make[2]: Entering directory `/root/downloads/nagios-4.0.8/cgi'
for file in *.cgi; do \
    /bin/strips /usr/local/nagios/sbin/$file; \  
 \
```

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```
ec2-54-224-134-83.compute-1.amazonaws.com (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Session 2, ec2-54-224-134-83 compute-1.am... × + ↻
** Main program, CGIs and HTML files installed **

You can continue with installing Nagios as follows (type 'make'
without any arguments for a list of all possible options):

make install-init
- This installs the init script in /etc/rc.d/init.d

make install-commandmode
- This installs and configures permissions on the
  directory for holding the external command file

make install-config
- This installs sample config files in /usr/local/nagios/etc

make[1]: Leaving directory '/root/downloads/nagios-4.0.8'
[root@ip-172-31-92-141 nagios-4.0.8]# make install-init
/bin/install -c -m 755 -d -o root -g root /etc/rc.d/init.d
/bin/install -c -m 755 -o root -g root daemon-init /etc/rc.d/init.d/nagios

** Init script installed **
```

```
ec2-54-224-134-83.compute-1.amazonaws.com (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Session 2, ec2-54-224-134-83 compute-1.am... × + ↻
/bin/install -c -m 755 -d -o root -g root /etc/rc.d/init.d
/bin/install -c -m 755 -o root -g root daemon-init /etc/rc.d/init.d/nagios

** Init script installed **

[root@ip-172-31-92-141 nagios-4.0.8]# make install-config
/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/etc
/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/etc/objects
/bin/install -c -b -m 664 -o nagios -g nagios sample-config/nagios.cfg /usr/local/nagios/etc/nagios.cfg
/bin/install -c -b -m 664 -o nagios -g nagios sample-config/cgi.cfg /usr/local/nagios/etc/cgi.cfg
/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nagios/etc/resource.cfg
/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/templates.cfg
/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/commands.cfg /usr/local/nagios/etc/objects/commands.cfg
/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/contacts.cfg /usr/local/nagios/etc/objects/contacts.cfg
/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/timeperiods.cfg /usr/local/nagios/etc/objects/timeperiods.cfg
/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/localhost.cfg /usr/local/nagios/etc/objects/localhost.cfg
/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/windows.cfg /usr/local/nagios/etc/objects/windows.cfg
/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/printer.cfg /usr/local/nagios/etc/objects/printer.cfg
/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/switch.cfg /usr/local/nagios/etc/objects/switch.cfg

** Config files installed **

Remember, these are *SAMPLE* config files. You'll need to read
the documentation for more information on how to actually define
services, hosts, etc. to fit your particular needs.

[root@ip-172-31-92-141 nagios-4.0.8]#
```

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```
Remember, these are *SAMPLE* config files. You'll need to read
the documentation for more information on how to actually define
services, hosts, etc. to fit your particular needs.

[root@ip-172-31-92-141 nagios-4.0.8]# make install-commandmode
/bin/install -c -m 775 -o nagios -g nagioscmd -d /usr/local/nagios/var/rw
chmod g+s /usr/local/nagios/var/rw

** External command directory configured **

[root@ip-172-31-92-141 nagios-4.0.8]#
```

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```
*** External command directory configured ***

[root@ip-172-31-92-141 nagios-4.0.8]# make install-webconf
/bin/install -c -m 644 sample-config/httpd.conf /etc/httpd/conf.d/nagios.conf

*** Nagios/Apache conf file installed **

[root@ip-172-31-92-141 nagios-4.0.8]# ■

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```

```
ec2-54-224-134-83.compute-1.amazonaws.com (ec2-user)

Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit

2. ec2-54-224-134-83.compute-1.am... ✎

*** Nagios/Apache conf file installed **

[root@ip-172-31-92-141 nagios-4.0.8]# htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
New password:
Re-type new password:
Adding password for user nagiosadmin
[root@ip-172-31-92-141 nagios-4.0.8]# service httpd restart
Redirecting to /bin/systemctl restart httpd.service
[root@ip-172-31-92-141 nagios-4.0.8]# cd ~/downloads
[root@ip-172-31-92-141 downloads]# tar zxvf nagios-plugins-2.3.3.tar.gz
nagios-plugins-2.3.3/
nagios-plugins-2.3.3/perlmods/
nagios-plugins-2.3.3/perlmods/Config-Tiny-2.14.tar.gz
nagios-plugins-2.3.3/perlmods/parent-0.226.tar.gz
nagios-plugins-2.3.3/perlmods/Test-Simple-0.98.tar.gz
nagios-plugins-2.3.3/perlmods/Makefile.in
nagios-plugins-2.3.3/perlmods/version-0.9903.tar.gz
nagios-plugins-2.3.3/perlmods/Makefile.am
nagios-plugins-2.3.3/perlmods/Module-Runtime-0.013.tar.gz
nagios-plugins-2.3.3/perlmods/Module-Metadata-1.000014.tar.gz
nagios-plugins-2.3.3/perlmods/Params-Validate-1.08.tar.gz
nagios-plugins-2.3.3/perlmods/Class-Accessor-0.34.tar.gz
nagios-plugins-2.3.3/perlmods/Try-Tiny-0.18.tar.gz
nagios-plugins-2.3.3/perlmods/Module-Implementation-0.07.tar.gz
nagios-plugins-2.3.3/perlmods/Makefile
nagios-plugins-2.3.3/perlmods/Perl-OSType-1.003.tar.gz
nagios-plugins-2.3.3/perlmods/install_order
nagios-plugins-2.3.3/perlmods/Nagios-Plugin-0.36.tar.gz
nagios-plugins-2.3.3/perlmods/Math-Calc-Units-1.07.tar.gz
nagios-plugins-2.3.3/perlmods/Module-Build-0.4007.tar.gz

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```

```
ec2-54-224-134-83.compute-1.amazonaws.com (ec2-user)

Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit

2. ec2-54-224-134-83.compute-1.am... ✎

nagios-plugins-2.3.3/pkgs/redhat/requirements
[root@ip-172-31-92-141 downloads]# cd nagios-plugins-2.3.3
[root@ip-172-31-92-141 nagios-plugins-2.3.3]# ./configure --with-nagios-user=nagios --with-nagios-group=nagios
checking for a BSD-compatible install ... /bin/install -c
checking whether build environment is sane... yes
checking whether build environment is sane... yes
checking for a thread-safe mkdir -p ... /bin/mkdir -p
checking for gawk ... gawk
checking whether make sets $(MAKE) ... yes
checking whether to disable maintainer-specific portions of Makefiles ... yes
checking build system type ... x86_64-unknown-linux-gnu
checking host system type ... x86_64-unknown-linux-gnu
checking for gcc ... gcc
checking for C compiler default output file name ... a.out
checking whether the C compiler works ... yes
checking whether we are cross compiling ... no
checking for suffix of executables ...
checking for suffix of object files ... o
checking whether we are using the GNU C compiler ... yes
checking whether gcc accepts -g ... yes
checking for gcc option to accept ISO C89... none needed
checking for style of include used by make... GNU
checking dependency style of gcc... gcc3
checking how to run the C preprocessor ... gcc -E
checking for grep that handles long lines and -e ... /bin/grep
checking for egrep ... /bin/grep -E
checking for Minix Amsterdam compiler... no
checking for ar ... ar
checking for ranlib... ranlib
checking whether gcc and cc understand -c and -o together ... yes
checking for ANSI C header files ... yes

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```

```
ec2-54-224-134-83.compute-1.amazonaws.com (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
[2. ec2-54-224-134-83.compute-1.amazonaws.com]
config status: creating po/Makefile
[root@ip-172-31-92-141 nagios-plugins-2.3.3]# make
make all-recursive
make[1]: Entering directory `/root/downloads/nagios-plugins-2.3.3'
Making all in gl
make[2]: Entering directory `/root/downloads/nagios-plugins-2.3.3/gl'
rm -f alloca.h-t alloca.h && \
{ echo '/* DO NOT EDIT! GENERATED AUTOMATICALLY! */'; \
cat ./alloca.in.h; \
} > alloca.h-t && \
mv -f alloca.h-t alloca.h
rm -f c++defs.h-t c++defs.h && \
sed -n -e '/_GL_CXXDEFS/,${p}' \
< ../build-aux/snippet/c++defs.h \
> c++defs.h-t && \
mv c++defs.h-t c++defs.h
rm -f warn-on-use.h-t warn-on-use.h && \
sed -n -e '/^.ifndef/,${p}' \
< ../build-aux/snippet/warn-on-use.h \
> warn-on-use.h-t && \
mv warn-on-use.h-t warn-on-use.h
rm -f arg-nonnull.h-t arg-nonnull.h && \
sed -n -e '/_GL_ARG_NONNULL/,${p}' \
< ../build-aux/snippet/arg-nonnull.h \
> arg-nonnull.h-t && \
mv arg-nonnull.h-t arg-nonnull.h
/bin/mkdir -p arpa
rm -f arpa/inet.h-t arpa/inet.h && \
{ echo '/* DO NOT EDIT! GENERATED AUTOMATICALLY! */'; \
sed -e 's|@'|'GUARD_PREFIX'|@|GL|g' \

```

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```
ec2-54-224-134-83.compute-1.amazonaws.com (ec2-user)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
[2. ec2-54-224-134-83.compute-1.amazonaws.com]
make[1]: Leaving directory `/root/downloads/nagios-plugins-2.3.3'
[root@ip-172-31-92-141 nagios-plugins-2.3.3]# make install
Making install in gl
make[1]: Entering directory `/root/downloads/nagios-plugins-2.3.3/gl'
make install-recursive
make[2]: Entering directory `/root/downloads/nagios-plugins-2.3.3/gl'
make[3]: Entering directory `/root/downloads/nagios-plugins-2.3.3/gl'
make[4]: Entering directory `/root/downloads/nagios-plugins-2.3.3/gl'
if test yes = no; then \
  case 'linux-gnu' in \
    darwin[56]*) \
      need_charset_alias=true ;; \
    darwin* | cygwin* | mingw* | pw32* | cegcc*) \
      need_charset_alias=false ;; \
  *) \
    need_charset_alias=true ;; \
  esac ; \
else \
  need_charset_alias=false ; \
fi ; \
if $need_charset_alias; then \
  /bin/sh ../build-aux/mkinstalldirs /usr/local/nagios/lib ; \
fi ; \
if test -f /usr/local/nagios/lib/charset.alias; then \
  sed -f ref-add.sed /usr/local/nagios/lib/charset.alias > /usr/local/nagios/lib/charset.tmp ; \
  /bin/install -c -o nagios -g nagios -m 644 /usr/local/nagios/lib/charset.tmp /usr/local/nagios/lib/charset.alias ; \
  rm -f /usr/local/nagios/lib/charset.tmp ; \
else \
  if $need_charset_alias; then \
    sed -f ref-add.sed charset.alias > /usr/local/nagios/lib/charset.tmp ; \

```

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ec2-54-224-134-83.compute-1.amazonaws.com (ec2-user)

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

X server Exit

```
make[2]: Leaving directory '/root/downloads/nagios-plugins-2.3.3'
make[1]: Leaving directory '/root/downloads/nagios-plugins-2.3.3'
[root@ip-172-31-92-141 nagios-plugins-2.3.3]# chkconfig --add nagios
[root@ip-172-31-92-141 nagios-plugins-2.3.3]# chkconfig nagios on
[root@ip-172-31-92-141 nagios-plugins-2.3.3]# /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg
```

Nagios Core 4.0.8  
Copyright (c) 2009-present Nagios Core Development Team and Community Contributors  
Copyright (c) 1999-2009 Ethan Galstad  
Last Modified: 08-12-2014  
License: GPL

Website: <http://www.nagios.org>  
Reading configuration data...
 Read main config file okay ...
 Read object config files okay ...

Running pre-flight check on configuration data...

Checking objects...
 Checked 8 services.
 Checked 1 hosts.
 Checked 1 host groups.
 Checked 0 service groups.
 Checked 1 contacts.
 Checked 1 contact groups.
 Checked 24 commands.
 Checked 5 time periods.
 Checked 0 host escalations.
 Checked 0 service escalations.

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```
Total Warnings: 0
Total Errors: 0

Things look okay - No serious problems were detected during the pre-flight check
[root@ip-172-31-92-141 nagios-plugins-2.3.3]# service nagios start
Starting nagios (via systemctl):
                                         [ OK ]
[root@ip-172-31-92-141 nagios-plugins-2.3.3]# service httpd restart
Redirecting to /bin/systemctl restart httpd.service
[root@ip-172-31-92-141 nagios-plugins-2.3.3]#
```

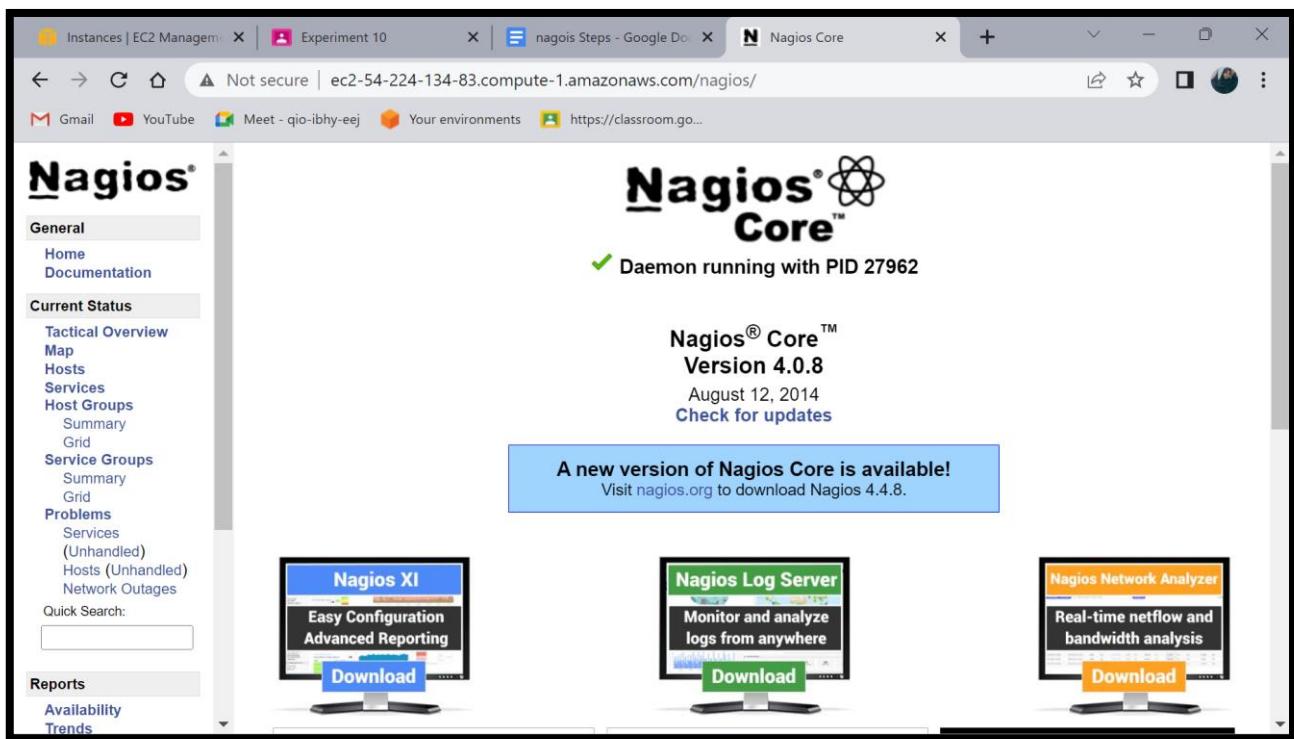
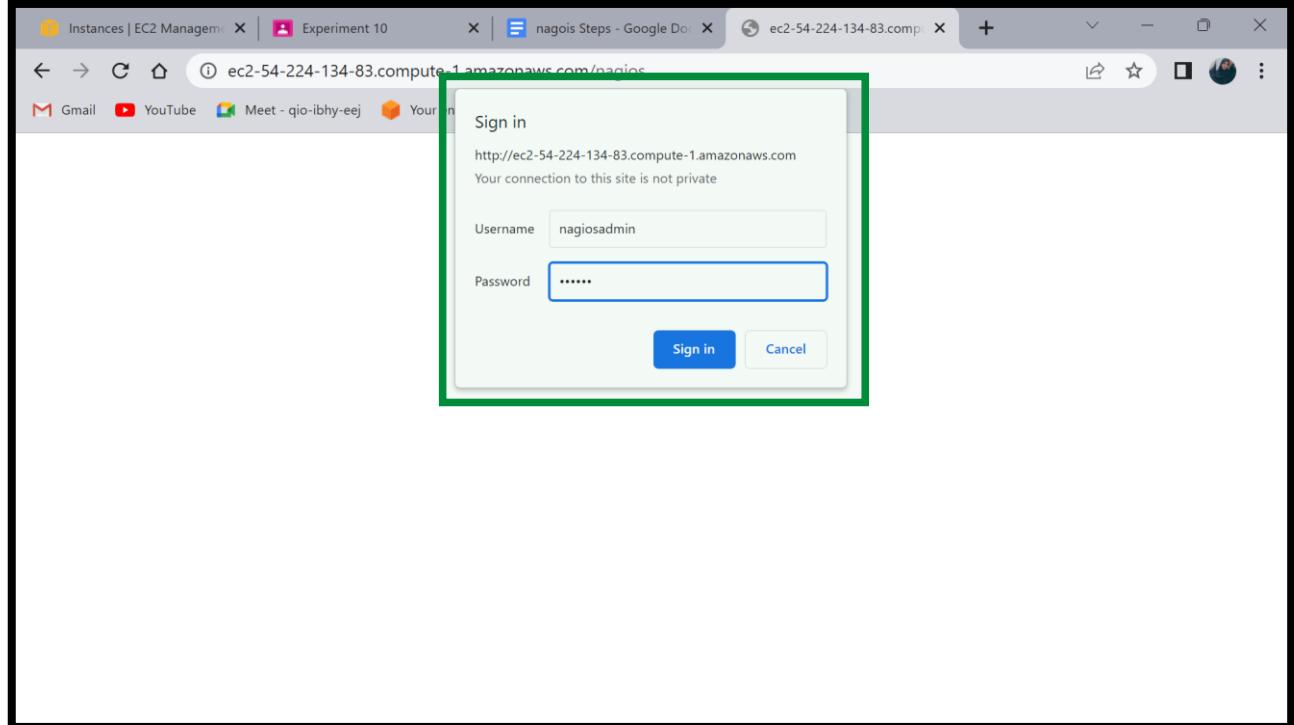
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

## Step 9: Now copy the Public IPv4 DNS and paste it in Web Browser.

The screenshot shows the AWS Management Console with the EC2 Instances page open. On the left, there's a sidebar with options like New EC2 Experience, EC2 Dashboard, EC2 Global View, Events, Tags, Limits, and Instances. Under Instances, 'Instances' is selected. In the main area, a table lists instances with columns for Name, Instance ID, Instance state, Instance type, and Status. One instance, 'ayeshalinux' (Instance ID: i-0d0ec52ca06d4aa47), is selected. Below the table, detailed information for this instance is shown, including its name, IPv6 address, and current state (Running). To the right of the instance details, a status bar message reads 'Public IPv4 DNS copied' with a checkmark icon. A green oval highlights this message. The browser's address bar shows the URL: us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:.

The screenshot shows a web browser window with a yellow border highlighting the title bar and address bar area. The address bar contains the URL: ec2-54-224-134-83.compute-1.amazonaws.com/nagios. The main content of the browser is a Google search results page for the same URL. The search bar at the top contains 'ec2-54-224-134-83.compute-1.amazonaws.com/nagios - Google Search'. Below the search bar, the Google logo is prominently displayed. Further down, there are several search results, each with a snippet of text and a link. At the bottom of the search results, there are links for 'Tessellation 1', 'AWS Mana...', 'Classes', 'Meet', and 'Test Page f...'. The overall interface is that of a standard web browser.

**Step 10:** Copy the IPV4 address from the EC2 instance details and paste it into a web browser by adding “/nagios”. Sign in by using  
Username→“nagiosadmin”  
Password→“nagios”



## Nagios Services:

- Network Monitoring
- Server Monitoring
- Application Monitoring
- OS Monitoring
- Host resources Monitoring (like processor load, system log, and disk usage)
- Remote monitoring using SSL and SSH encrypted tunnels

Screenshot of the Nagios Core web interface showing the Current Network Status and Service Status Details For All Hosts.

**Current Network Status**

- Last Updated: Wed Oct 5 08:31:50 UTC 2022
- Updated every 90 seconds
- Nagios® Core™ 4.0.8 - www.nagios.org
- Logged in as **nagiosadmin**

**Host Status Totals**

Up	Down	Unreachable	Pending
1	0	0	0

**All Problems All Types**

0	1
---	---

**Service Status Totals**

Ok	Warning	Unknown	Critical	Pending
6	1	0	1	0

**All Problems All Types**

2	8
---	---

**Service Status Details For All Hosts**

Host	Service	Status	Last Check	Duration	Attempt	Status Information
localhost	Current Load	OK	10-05-2022 08:30:06	0d 0h 11m 44s	1/4	OK - load average: 0.00, 0.00, 0.00
localhost	Current Users	OK	10-05-2022 08:30:44	0d 0h 11m 6s	1/4	USERS OK - 1 users currently logged in
localhost	HTTP	WARNING	10-05-2022 08:29:21	0d 0h 10m 29s	4/4	HTTP WARNING: HTTP/1.1 403 Forbidden - 3932 bytes in 0.000 second response time
localhost	PING	OK	10-05-2022 08:26:59	0d 0h 9m 51s	1/4	PING OK - Packet loss = 0%, RTA = 0.04 ms
localhost	Root Partition	OK	10-05-2022 08:27:36	0d 0h 9m 14s	1/4	DISK OK - free space: / 6339 MiB (77.50% inode=99%):
localhost	SSH	OK	10-05-2022 08:28:14	0d 0h 8m 36s	1/4	SSH OK - OpenSSH_7.4 (protocol 2.0)
localhost	Swap Usage	CRITICAL	10-05-2022 08:26:51	0d 0h 7m 59s	4/4	SWAP CRITICAL - 0% free (0 MB out of 0 MB) - Swap is either disabled, not present, or of zero size.
localhost	Total Processes	OK	10-05-2022 08:29:29	0d 0h 7m 21s	1/4	PROCS OK: 31 processes with STATE = R/SZDT

**Reports**

Results 1 - 8 of 8 Matching Services

Screenshot of the Nagios XI web interface showing the Network Status Map.

**Network Status Map**

Last Updated: Sat Oct 01 12:46:40 2022  
Updated every 10 seconds

After performing the commands on the terminal. **Terminate the Instances** and **delete the instances** and also **delete the key pair too.**

