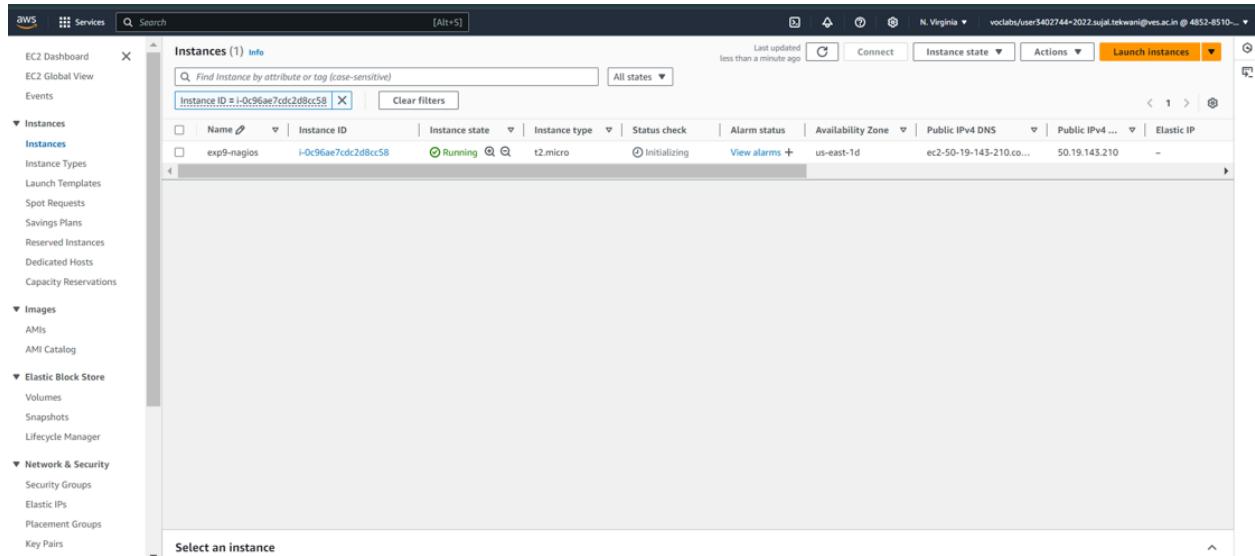
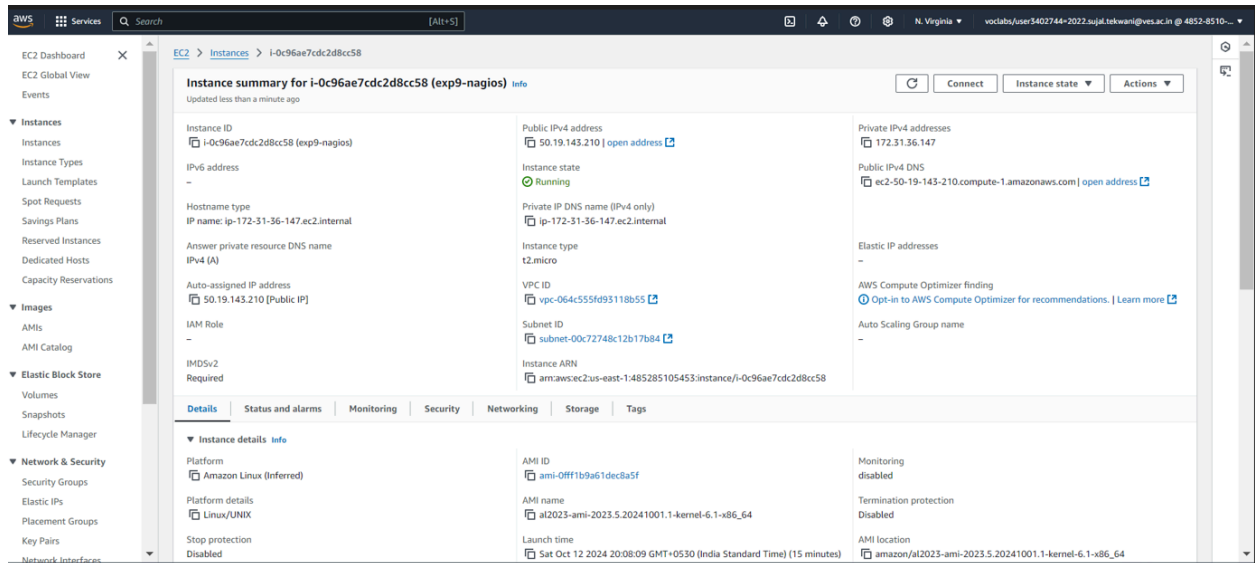


Name:Sujal.S.Tekwani
Class:D15B
Roll No:63

Adv DevOps Lab 9



The screenshot shows the AWS Management Console interface for the EC2 service. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Instances, Images, Elastic Block Store, and Network & Security. The main content area displays the 'Instances (1)' page. A search bar at the top allows filtering by instance ID, name, or tag. Below the search bar, a table lists the instance 'exp9-nagios' with ID 'i-0c96ae7cdc2d8cc58'. The instance is in a 'Running' state, using the 't2.micro' instance type. The console also shows the instance's state (Initializing), alarm status (View alarms), availability zone (us-east-1d), public IPv4 DNS (ec2-50-19-143-210.co...), public IPv4 address (50.19.143.210), and elastic IP address (None).



The screenshot shows the detailed summary for the instance 'exp9-nagios' with ID 'i-0c96ae7cdc2d8cc58'. The summary is organized into three columns. The first column contains the instance ID, IPv6 address, hostname type, IP name, answer private resource DNS name, auto-assigned IP address, IAM role, IMDSv2, VPC ID, subnet ID, and instance ARN. The second column contains the public IPv4 address, instance state, private IP DNS name (IPv4 only), instance type, VPC ID, subnet ID, and instance ARN. The third column contains private IPv4 addresses, public IPv4 DNS, elastic IP addresses, AWS Compute Optimizer finding, and auto scaling group name. Below the summary, there are tabs for Details, Status and alarms, Monitoring, Security, Networking, Storage, and Tags. The 'Details' tab is selected, showing the instance details, platform, AMI name, launch time, monitoring, termination protection, and AMI location.

aws

Services

Search

[Alt+S]

N. Virginia

voclabs/user3402744-2022.sujal.tekwan@ves.ac.in @ 4852-8510...

EC2 > Security Groups > sgr-0b457e98bdfdd023 - launch-wizard-11 > Edit inbound rules

Edit inbound rules

Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules

Info

| Security group rule ID | Type | Protocol | Port range | Source | Description - optional | |
|------------------------|-------------|----------|------------|--------|------------------------|--------|
| sgr-0d4b89ad3b5a3cf | All traffic | All | All | Custom | 0.0.0.0/0 | Delete |
| sgr-0713c60a73ce148c4 | HTTPS | TCP | 443 | Custom | 0.0.0.0/0 | Delete |
| sgr-03ad5345f8921692 | SSH | TCP | 22 | Custom | 0.0.0.0/0 | Delete |
| sgr-0b75c23cccf303c44 | HTTP | TCP | 80 | Custom | 0.0.0.0/0 | Delete |

Add rule

Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel Preview changes Save rules

aws

Services

Search

[Alt+S]

N. Virginia

voclabs/user3402744-2022.sujal.tekwan@ves.ac.in @ 4852-8510...

libmount-devel-2.37.4-1.amzn2023.0.4.x86_64

libpng-devel-2:1.6.37-10.amzn2023.0.6.x86_64

libselinux-devel-3.4-5.amzn2023.0.2.x86_64

libsepol-devel-3.4-3.amzn2023.0.3.x86_64

libsoadum-1.0.19-4.amzn2023.x86_64

libtiff-devel-4.4.0-4.amzn2023.0.18.x86_64

libwebp-devel-1.2.4-1.amzn2023.0.6.x86_64

libxcb-devel-1.13.1-7.amzn2023.0.2.x86_64

libxml2-devel-2.10.4-1.amzn2023.0.6.x86_64

libxslt-1.1.34-5.amzn2023.0.2.x86_64

mailcap-2.1.49-3.amzn2023.0.3.noarch

mariaadb-connector-c-3.1.13-1.amzn2023.0.3.x86_64

mariaadb-connector-c-config-3.1.13-1.amzn2023.0.3.noarch

mod_http2-2.0.27-1.amzn2023.0.3.x86_64

mod_lua-2.4.62-1.amzn2023.x86_64

net-snmp-1:5.9.3-2.amzn2023.0.2.x86_64

net-snmp-agent-lib-1:5.9.3-2.amzn2023.0.2.x86_64

net-snmp-lib-1:5.9.3-2.amzn2023.0.2.x86_64

nginxfilesystem-1:1.24.0-1.amzn2023.0.4.noarch

openssl-devel-1:3.0.9-1.amzn2023.0.14.x86_64

pcres-devel-10.40-1.amzn2023.0.3.x86_64

pcres-utf16-10.40-1.amzn2023.0.3.x86_64

pcres-utf32-10.40-1.amzn2023.0.3.x86_64

php8.3-8.3.10-1.amzn2023.0.1.x86_64

php8.3-cli-8.3.10-1.amzn2023.0.1.x86_64

php8.3-common-8.3.10-1.amzn2023.0.1.x86_64

php8.3-fpm-8.3.10-1.amzn2023.0.1.x86_64

php8.3-imagick-8.3.10-1.amzn2023.0.1.x86_64

php8.3-ldap-8.3.10-1.amzn2023.0.1.x86_64

php8.3-openssl-8.3.10-1.amzn2023.0.1.x86_64

php8.3-pdo-8.3.10-1.amzn2023.0.1.x86_64

php8.3-process-8.3.10-1.amzn2023.0.1.x86_64

php8.3-sodium-8.3.10-1.amzn2023.0.1.x86_64

php8.3-xml-8.3.10-1.amzn2023.0.1.x86_64

sysprof-mpfr-devel-3.40-1.2.amzn2023.0.2.x86_64

xorg-x11-proto-devel-2021.4-1.amzn2023.0.2.noarch

complete!

root@ip-172-31-36-147 ec2-user:~#

i-0c96ae7cdc2d8cc58 (exp9-nagios)

PublicIP: 50.19.143.210 PrivateIP: 172.31.36.147

```
aws Services Search [Alt+S] N. Virginia voclabs/user3402744=2022.sujal.tekwani@ves.ac.in @ 4852-8510-...

web interface
make install-exfoliation
- This installs the Exfoliation theme for the Nagios
web interface
make install-classicui
- This installs the classic theme for the Nagios
web interface

*** Support Notes ***
If you have questions about configuring or running Nagios,
please make sure that you:
- Look at the sample config files
- Read the documentation on the Nagios Library at:
  https://library.nagios.com

Before you post a question to one of the mailing lists,
also make sure to include pertinent information that could
help others help you. This might include:
- What version of Nagios you are using
- What version of the plugins you are using
- Relevant snippets from your config files
- Relevant error messages from the Nagios log file

For more information on obtaining support for Nagios, visit:
  https://support.nagios.com

*****
Enjoy.

root@ip-172-31-36-147 nagios-4.4.6]#
```

i-0c96ae7cdc2d8cc58 (exp9-nagios)
PublicIPs: 50.19.143.210 PrivateIPs: 172.31.36.147

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```
aws Services Search [Alt+S] N. Vi voclabs/user3402744=2022.sujal.tekwani@ve

*****
Enjoy.

[root@ip-172-31-36-147 nagios-4.4.6]# sudo make install
sudo make install-init
sudo make install-config
sudo make install-commandmode
sudo make install-webconf
cd ./base && make install
make[1]: Entering directory '/tmp/nagios-4.4.6/base'
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/bin
/usr/bin/install: invalid user 'nagios'
make[1]: *** [Makefile:176: install] Error 1
make[1]: Leaving directory '/tmp/nagios-4.4.6/base'
make: *** [Makefile:276: install] Error 2
/usr/bin/install -c -m 755 -d -o root -g root /lib/systemd/system
/usr/bin/install -c -m 755 -o root -g root startup/default-service /lib/systemd/system/nagios.servi
e
/usr/bin/install -c -m 775 -o nagios -g nagios -d /usr/local/nagios/etc
/usr/bin/install: invalid user 'nagios'
make: *** [Makefile:314: install-config] Error 1
/usr/bin/install -c -m 775 -o nagios -g nagcmd -d /usr/local/nagios/var/rw
/usr/bin/install: invalid user 'nagios'
make: *** [Makefile:416: install-commandmode] Error 1
/usr/bin/install -c -m 644 sample-config/httpd.conf /etc/httpd/conf.d/nagios.conf
if [ 0 -eq 1 ]; then \
    ln -s /etc/httpd/conf.d/nagios.conf /etc/apache2/sites-enabled/nagios.conf; \
fi

*** Nagios/Apache conf file installed ***

[root@ip-172-31-36-147 nagios-4.4.6]# sudo useradd nagios
sudo groupadd nagcmd
sudo usermod -aG nagcmd nagios
sudo usermod -aG nagcmd apache
[root@ip-172-31-36-147 nagios-4.4.6]#
```

i-0c96ae7cdc2d8cc58 (exp9-nagios)
PublicIPs: 50.19.143.210 PrivateIPs: 172.31.36.147

```
aws Services Search [Alt+S] N. Vi voclabs/user3402744=2022.sujal.tekwani@ve
sudo usermod -aG nagcmd apache
[root@ip-172-31-36-147 nagios-4.4.6]# cd /tmp
wget https://nagios-plugins.org/download/nagios-plugins-2.3.3.tar.gz
tar -zxvf nagios-plugins-2.3.3.tar.gz
cd nagios-plugins-2.3.3
--2024-10-12 14:45:26-- https://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|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2782610 (2.7M) [application/x-gzip]
Saving to: 'nagios-plugins-2.3.3.tar.gz'

nagios-plugins-2.3.3.tar.  0%[          ] 0 --.-KB/s
nagios-plugins-2.3.3.tar.  9%[====>] 264.00K 1.23MB/s
nagios-plugins-2.3.3.tar. 100%[=====>] 2.65M 6.76MB/s in 0.4s

2024-10-12 14:45:27 (6.76 MB/s) - 'nagios-plugins-2.3.3.tar.gz' saved [2782610/2782610]

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

i-0c96ae7cdc2d8cc58 (exp9-nagios)
PublicIPs: 50.19.143.210 PrivateIPs: 172.31.36.147
```

```
aws Services Search [Alt+S] N. Vi voclabs/user3402744=2022.sujal.tekwani@ve
make[1]: Leaving directory '/tmp/nagios-plugins-2.3.3/plugins-scripts'
Making install in plugins-root
make[1]: Entering directory '/tmp/nagios-plugins-2.3.3/plugins-root'
make[2]: Entering directory '/tmp/nagios-plugins-2.3.3/plugins-root'
/usr/bin/install -c -o nagios -g nagios check_dhcp /usr/local/nagios/libexec/check_dhcp
chown root /usr/local/nagios/libexec/check_dhcp
chmod ug=rx,uts /usr/local/nagios/libexec/check_dhcp
/usr/bin/install -c -o nagios -g nagios check_icmp /usr/local/nagios/libexec/check_icmp
chown root /usr/local/nagios/libexec/check_icmp
chmod ug=rx,uts /usr/local/nagios/libexec/check_icmp
make[2]: Nothing to be done for 'install-data-am'.
make[2]: Leaving directory '/tmp/nagios-plugins-2.3.3/plugins-root'
make[1]: Leaving directory '/tmp/nagios-plugins-2.3.3/plugins-root'
Making install in po
make[1]: Entering directory '/tmp/nagios-plugins-2.3.3/po'
/usr/bin/mkdir -p /usr/local/nagios/share
installing fr.gmo as /usr/local/nagios/share/locale/fr/LC_MESSAGES/nagios-plugins.mo
installing de.gmo as /usr/local/nagios/share/locale/de/LC_MESSAGES/nagios-plugins.mo
if test "nagios-plugins" = "gettext-tools"; then \
  /usr/bin/mkdir -p /usr/local/nagios/share/gettext/po; \
  for file in Makefile.in.in remove-potcdate.sin Makevars.template; do \
    /usr/bin/install -c -o nagios -g nagios -m 644 ./file \
      /usr/local/nagios/share/gettext/po/$file; \
  done; \
  for file in Makevars; do \
    rm -f /usr/local/nagios/share/gettext/po/$file; \
  done; \
else \
: ; \
fi
make[1]: Leaving directory '/tmp/nagios-plugins-2.3.3/po'
make[1]: Entering directory '/tmp/nagios-plugins-2.3.3'
make[2]: Entering directory '/tmp/nagios-plugins-2.3.3'
make[2]: Nothing to be done for 'install-exec-am'.
make[2]: Nothing to be done for 'install-data-am'.
make[2]: Leaving directory '/tmp/nagios-plugins-2.3.3'
make[1]: Leaving directory '/tmp/nagios-plugins-2.3.3'
[root@ip-172-31-36-147 nagios-plugins-2.3.3]#
```

i-0c96ae7cdc2d8cc58 (exp9-nagios)
PublicIPs: 50.19.143.210 PrivateIPs: 172.31.36.147

```
[root@ip-172-31-36-147 nagios-plugins-2.3.3]# sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
# (You will be prompted to set a password)
sudo systemctl restart httpd
htpasswd: cannot create file /usr/local/nagios/etc/htpasswd.users
[root@ip-172-31-36-147 nagios-plugins-2.3.3]#
```

i-0c96ae7cdc2d8cc58 (exp9-nagios)

PublicIPs: 50.19.143.210 PrivateIPs: 172.31.36.147

```
aws Services Search [Alt+S] N. Vi voclabs/user3402744=2022.sujal.tekwani@ve
usr/bin/install -c -b -m 660 -o nagios -g nagios sample-config/resource.cfg /usr/local/nagios/etc/
source.cfg
usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/templates.cfg /usr/
ocal/nagios/etc/objects/templates.cfg
usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/commands.cfg /usr/l
ocal/nagios/etc/objects/commands.cfg
usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/contacts.cfg /usr/l
ocal/nagios/etc/objects/contacts.cfg
usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/timeperiods.cfg /us
r/local/nagios/etc/objects/timeperiods.cfg
usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/localhost.cfg /usr/
ocal/nagios/etc/objects/localhost.cfg
usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/windows.cfg /usr/lo
cal/nagios/etc/objects/windows.cfg
usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/printer.cfg /usr/lo
cal/nagios/etc/objects/printer.cfg
usr/bin/install -c -b -m 664 -o nagios -g nagios sample-config/template-object/switch.cfg /usr/lo
cal/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.

usr/bin/install -c -m 775 -o nagios -g nagcmd -d /usr/local/nagios/var/rw
chmod g+s /usr/local/nagios/var/rw

** External command directory configured **

usr/bin/install -c -m 644 sample-config/httpd.conf /etc/httpd/conf.d/nagios.conf
if [ 0 -eq 1 ]; then \
    ln -s /etc/httpd/conf.d/nagios.conf /etc/apache2/sites-enabled/nagios.conf; \
fi

** Nagios/Apache conf file installed **

root@ip-172-31-36-147 nagios-4.4.6]#
```

i-0c96ae7cdc2d8cc58 (exp9-nagios)

PublicIPs: 50.19.143.210 PrivateIPs: 172.31.36.147

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aws

Services

Search [Alt+S]

N. Vi

voclabs/user3402744=2022.sujal.tekwani@ve

Nagios Core 4.4.6

Copyright (c) 2009-present Nagios Core Development Team and Community Contributors

Copyright (c) 1999-2009 Ethan Galstad

Last Modified: 2020-04-28

License: GPL

Website: https://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.

Checking for circular paths...

Checked 1 hosts

Checked 0 service dependencies

Checked 0 host dependencies

Checked 5 timeperiods

Checking global event handlers...

Checking obsessive compulsive processor commands...

Checking misc settings...

Total Warnings: 0

Total Errors: 0

Things look okay - No serious problems were detected during the pre-flight check

[root@ip-172-31-36-147 nagios-4.4.6]#


i-0c96ae7cdc2d8cc58 (exp9-nagios)

PublicIPs: 50.19.143.210 PrivateIPs: 172.31.36.147

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Services

[Alt+S]









N. Vi

voclabs/user3402744=2022.sujal.tekwani@ve


```
58586 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
58587 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
58588 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
58589 /usr/local/nagios/bin/nagios --worker /usr/local/nagios/var/rw/nagios.qh
58590 /usr/local/nagios/bin/nagios -d /usr/local/nagios/etc/nagios.cfg

Oct 12 14:49:31 ip-172-31-36-147.ec2.internal nagios[58585]: qh: Socket '/usr/local/nagios/var/rw/nagios.qh'
Oct 12 14:49:31 ip-172-31-36-147.ec2.internal nagios[58585]: qh: core query handler registered
Oct 12 14:49:31 ip-172-31-36-147.ec2.internal nagios[58585]: qh: echo service query handler registered
Oct 12 14:49:31 ip-172-31-36-147.ec2.internal nagios[58585]: qh: help for the query handler registered
Oct 12 14:49:31 ip-172-31-36-147.ec2.internal nagios[58585]: wproc: Successfully registered manager
Oct 12 14:49:31 ip-172-31-36-147.ec2.internal nagios[58585]: wproc: Registry request: name=Core Worker
Oct 12 14:49:31 ip-172-31-36-147.ec2.internal nagios[58585]: wproc: Registry request: name=Core Worker
Oct 12 14:49:31 ip-172-31-36-147.ec2.internal nagios[58585]: wproc: Registry request: name=Core Worker
Oct 12 14:49:31 ip-172-31-36-147.ec2.internal nagios[58585]: wproc: Registry request: name=Core Worker
Oct 12 14:49:31 ip-172-31-36-147.ec2.internal nagios[58585]: wproc: Registry request: name=Core Worker
Oct 12 14:49:32 ip-172-31-36-147.ec2.internal nagios[58585]: Successfully launched command file worker

[root@ip-172-31-36-147 nagios-4.4.6]# sudo systemctl enable nagios
[root@ip-172-31-36-147 nagios-4.4.6]# sudo systemctl enable nagios
[root@ip-172-31-36-147 nagios-4.4.6]# sudo systemctl start httpd
[root@ip-172-31-36-147 nagios-4.4.6]# sudo systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-36-147 nagios-4.4.6]# sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
min
min
New password:
Re-type new password:
Adding password for user nagiosadmin
[root@ip-172-31-36-147 nagios-4.4.6]# sudo systemctl restart httpd
```

i-0c96ae7cdc2d8cc58 (exp9-nagios)

PublicIPs: 50.19.143.210 PrivateIPs: 172.31.36.147

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