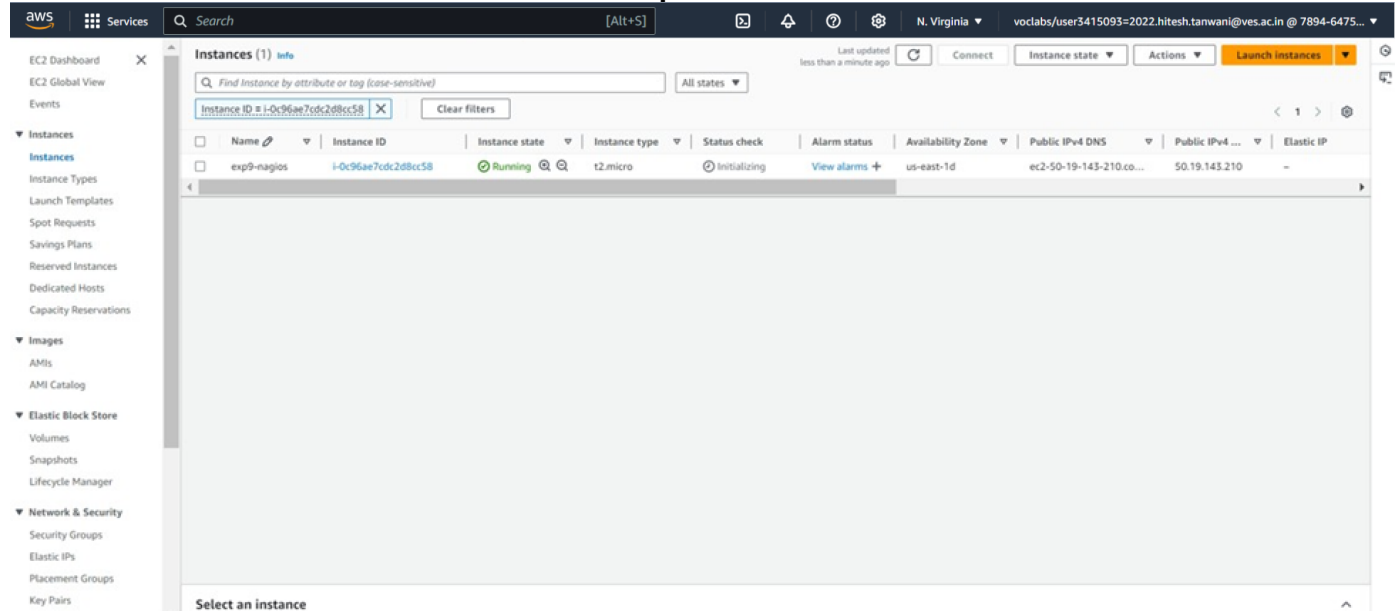


Name:Hiteshh Tanwani

Class:D15B

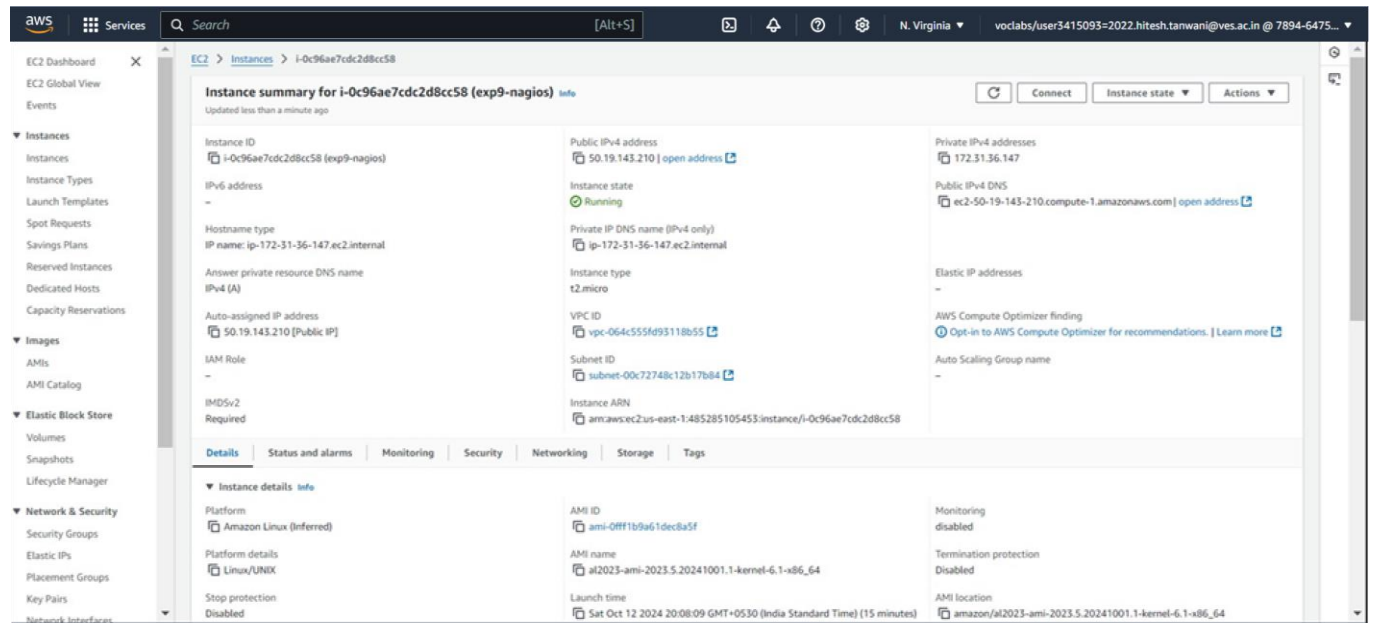
Roll No:62

## Adv DevOps Lab 9



The screenshot shows the AWS Management Console interface for the 'Instances' page. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, and various instance types. The main content area displays a table of instances. The instance 'exp9-nagios' is highlighted, showing its ID 'i-0c96ae7cdc2d8cc58' and state 'Running'. The console also includes a search bar, filters, and a 'Launch instances' button.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
exp9-nagios	i-0c96ae7cdc2d8cc58	Running	t2.micro	Initializing	View alarms +	us-east-1d	ec2-50-19-143-210.co...	50.19.143.210	-



The screenshot shows the detailed summary for the instance 'exp9-nagios' (ID: i-0c96ae7cdc2d8cc58). The summary is organized into sections: Instance details, Network & Security, and Monitoring. The instance is running on the t2.micro instance type in the us-east-1d availability zone. It has a public IPv4 address of 50.19.143.210 and a private IP address of 172.31.36.147. The instance is associated with the vpc-064c555d93118b55 VPC and the subnet-00c72748c12b17b84 subnet. The instance is running the Amazon Linux (Inferred) AMI.

Instance details	Network & Security	Monitoring
<b>Instance ID</b> i-0c96ae7cdc2d8cc58 (exp9-nagios)	<b>Public IPv4 address</b> 50.19.143.210   open address	<b>Private IPv4 addresses</b> 172.31.36.147
<b>IPv6 address</b> -	<b>Instance state</b> Running	<b>Public IPv4 DNS</b> ec2-50-19-143-210.compute-1.amazonaws.com   open address
<b>Hostname type</b> IP name: ip-172-31-36-147.ec2.internal	<b>Private IP DNS name (IPv4 only)</b> ip-172-31-36-147.ec2.internal	<b>Elastic IP addresses</b> -
<b>Answer private resource DNS name</b> IPV4 (A)	<b>Instance type</b> t2.micro	<b>AWS Compute Optimizer finding</b> Opt-in to AWS Compute Optimizer for recommendations.   Learn more
<b>Auto-assigned IP address</b> 50.19.143.210 [Public IP]	<b>VPC ID</b> vpc-064c555d93118b55	<b>Auto Scaling Group name</b> -
<b>IAM Role</b> -	<b>Subnet ID</b> subnet-00c72748c12b17b84	
<b>IMDSv2</b> Required	<b>Instance ARN</b> arn:aws:ec2:us-east-1:485285105453:instance/i-0c96ae7cdc2d8cc58	
<b>Platform</b> Amazon Linux (Inferred)	<b>AMI ID</b> ami-0ff1b9a61dec8a5f	<b>Monitoring</b> disabled
<b>Platform details</b> Linux/UNIX	<b>AMI name</b> al2023-ami-2023.5.20241001.1-kernel-6.1-x86_64	<b>Termination protection</b> Disabled
<b>Stop protection</b> Disabled	<b>Launch time</b> Sat Oct 12 2024 20:08:09 GMT+05:30 (India Standard Time) (15 minutes)	<b>AMI location</b> amazon/al2023-ami-2023.5.20241001.1-kernel-6.1-x86_64

aws

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[Alt+S]

N. Virginia

voclabs/user3415093=2022.hitesh.tanwani@ves.ac.in @ 7894-6475...

EC2 > Security Groups > sg-08457e98bdafdd23 - launch-wizard-11 > Edit inbound rules

### Edit inbound rules

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

#### Inbound rules

Security group rule ID	Type	Protocol	Port range	Source	Description - optional	
sg-0d4b89acd3b5a3cf	All traffic	All	All	Custom	Q	0.0.0.0/0 X Delete
sg-0713c60a73ce148c4	HTTPS	TCP	443	Custom	Q	0.0.0.0/0 X Delete
sg-03ad5345f8921692	SSH	TCP	22	Custom	Q	0.0.0.0/0 X Delete
sg-0b75c23ccc9303c44	HTTP	TCP	80	Custom	Q	0.0.0.0/0 X 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

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N. Virginia

voclabs/user3415093=2022.hitesh.tanwani@ves.ac.in @ 7894-6475...

```
libmount-devel-2.3.7-1.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
libsofium-1.0.19-4.amzn2023.x86_64
libtiff-devel-4.4.0-4.amzn2023.0.10.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
mariadb-connector-c-3.1.12-1.amzn2023.0.3.x86_64
mariadb-connector-c-connfig-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-amp-115.9.3-2.amzn2023.0.2.x86_64
net-amp-agent-liba-115.9.3-2.amzn2023.0.2.x86_64
net-amp-liba-115.9.3-2.amzn2023.0.2.x86_64
nginx-filesystem-1.1.24.0-1.amzn2023.0.4.noarch
openssl-devel-1.1.3.0-8-1.amzn2023.0.14.x86_64
pcre2-devel-10.40-1.amzn2023.0.3.x86_64
pcre2-utf16-10.40-1.amzn2023.0.3.x86_64
pcre2-utf32-10.40-1.amzn2023.0.3.x86_64
php8.3-8.3.10-1.amzn2023.0.1.x86_64
php8.3-curl-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-mbstring-8.3.10-1.amzn2023.0.1.x86_64
php8.3-opcache-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-capture-devel-3.40.1-2.amzn2023.0.2.x86_64
wsgx-ml-proto-devel-2021.4-1.amzn2023.0.2.noarch

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

i-0c96ae7cdc2d8cc58 (exp9-nagios)

PublicIPs: 50.19.143.210 PrivateIPs: 172.31.36.147

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```
aws Services Search [Alt+S] N. Virginia voclabs/user3415093=2022.hitesh.tanwani@ves.ac.in @ 7894-6475...

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.hitesh.tanwani@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] voclabs/user3402744=:2022.hitesh.tanwani@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

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



 Services

[Alt+S]



N. Vi ▾

voclabs/user3402744=2022.hitesh.tanwani@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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[Alt+S]



N. Vi

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```
└─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 14:49:32 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
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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