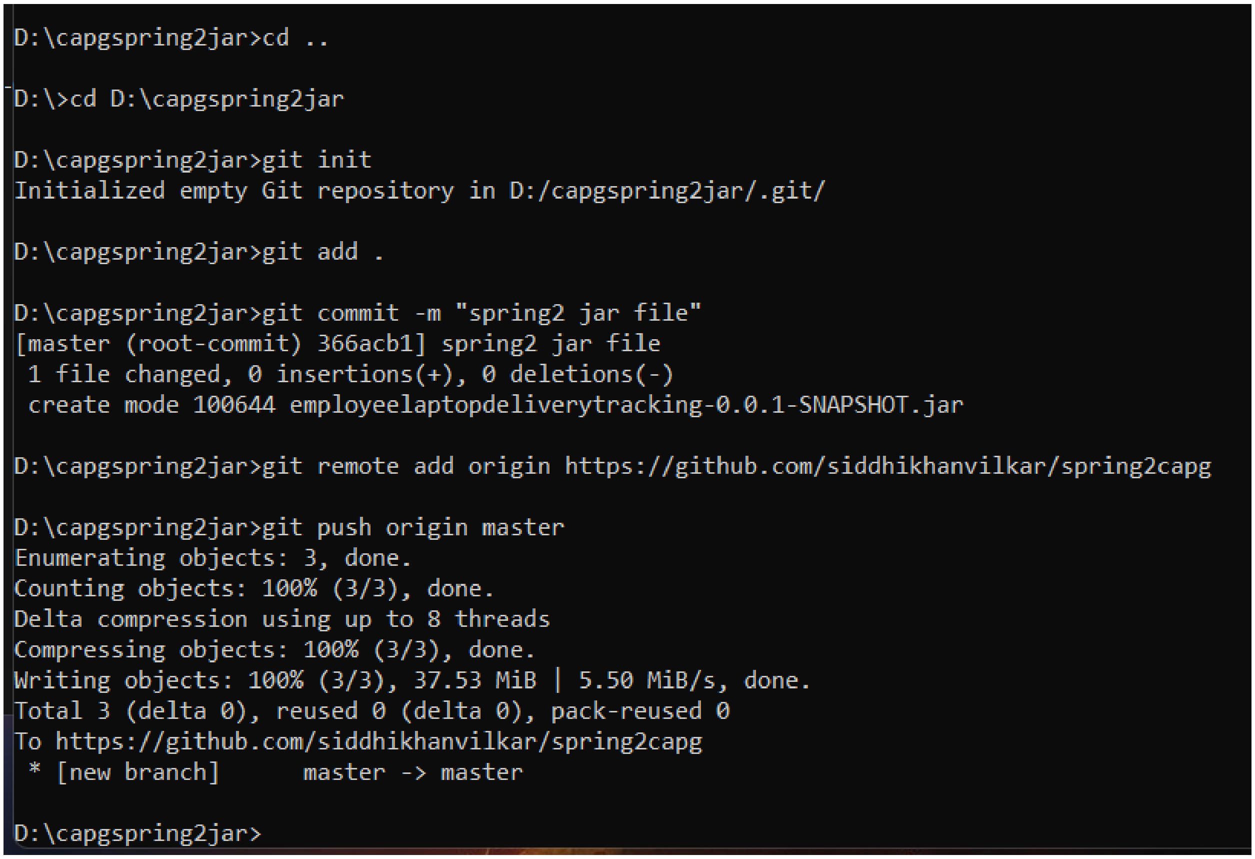
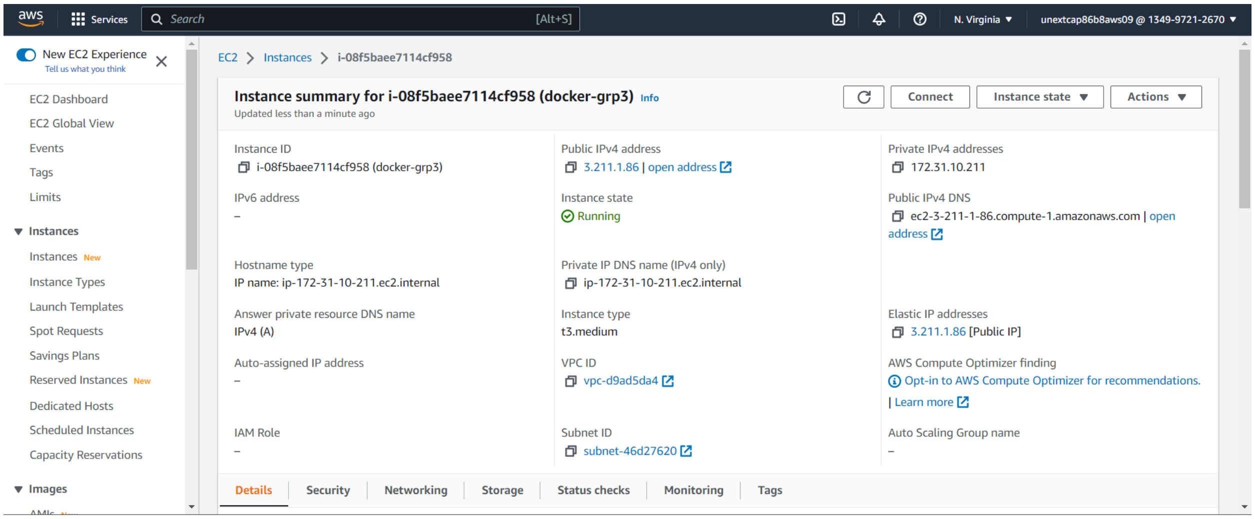
DOCKER DEPLOYMENT:-



```
D:\capgspring2jar>cd ..

D:\>cd D:\capgspring2jar

D:\capgspring2jar>git init
Initialized empty Git repository in D:/capgspring2jar/.git/

D:\capgspring2jar>git add .

D:\capgspring2jar>git commit -m "spring2 jar file"
[master (root-commit) 366acb1] spring2 jar file
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar

D:\capgspring2jar>git remote add origin https://github.com/siddhikhanvilkar/spring2capg

D:\capgspring2jar>git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 37.53 MiB | 5.50 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/siddhikhanvilkar/spring2capg
 * [new branch]      master -> master

D:\capgspring2jar>
```



Instance summary for i-08f5baee7114cf958 (docker-grp3) Info

Updated less than a minute ago

Instance ID: i-08f5baee7114cf958 (docker-grp3)

Public IPv4 address: 3.211.1.86 | open address

Private IPv4 addresses: 172.31.10.211

IPv6 address: –

Instance state: Running

Public IPv4 DNS: ec2-3-211-1-86.compute-1.amazonaws.com | open address

Hostname type: IP name: ip-172-31-10-211.ec2.internal

Private IP DNS name (IPv4 only): ip-172-31-10-211.ec2.internal

Answer private resource DNS name: IPv4 (A)

Instance type: t3.medium

Elastic IP addresses: 3.211.1.86 [Public IP]

Auto-assigned IP address: –

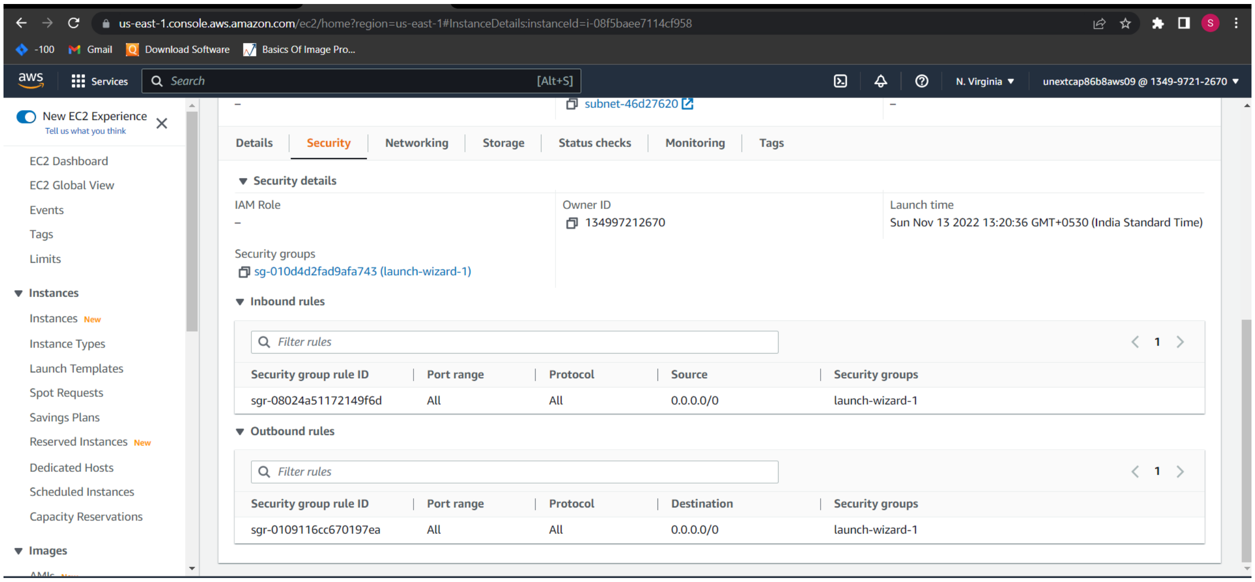
VPC ID: vpc-d9ad5da4

AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations. | Learn more

IAM Role: –

Subnet ID: subnet-46d27620

Auto Scaling Group name: –



▼ Security details

IAM Role
–

Owner ID
134997212670

Launch time
Sun Nov 13 2022 13:20:36 GMT+0530 (India Standard Time)

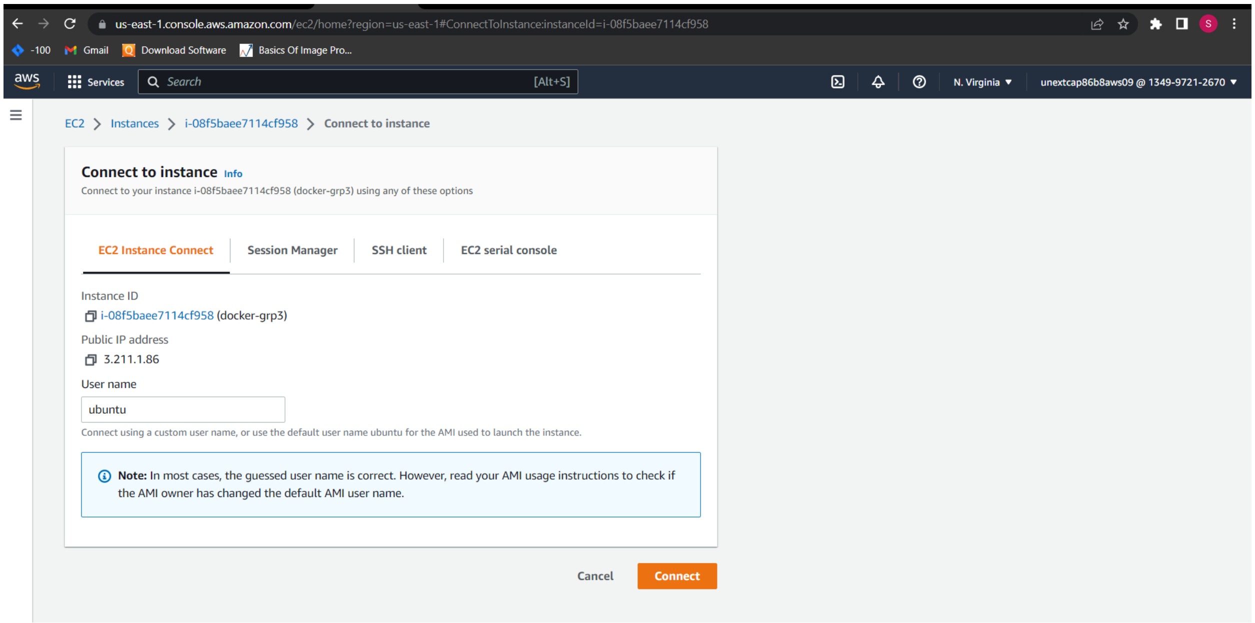
Security groups
sg-010d4d2fad9afa743 (launch-wizard-1)

▼ Inbound rules

Security group rule ID	Port range	Protocol	Source	Security groups
sgr-08024a51172149f6d	All	All	0.0.0.0/0	launch-wizard-1

▼ Outbound rules

Security group rule ID	Port range	Protocol	Destination	Security groups
sgr-0109116cc670197ea	All	All	0.0.0.0/0	launch-wizard-1


us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ConnectToInstance:instanceId=i-08f5baee7114cf958
-100
Gmail
Download Software
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[Alt+S]
N. Virginia ▼
unextcap86b8aws09 @ 1349-9721-2670 ▼
EC2 > Instances > i-08f5baee7114cf958 > Connect to instance
EC2 Instance Connect
Session Manager
SSH client
EC2 serial console
Cancel
Connect

Connect to instance Info

Connect to your instance i-08f5baee7114cf958 (docker-grp3) using any of these options

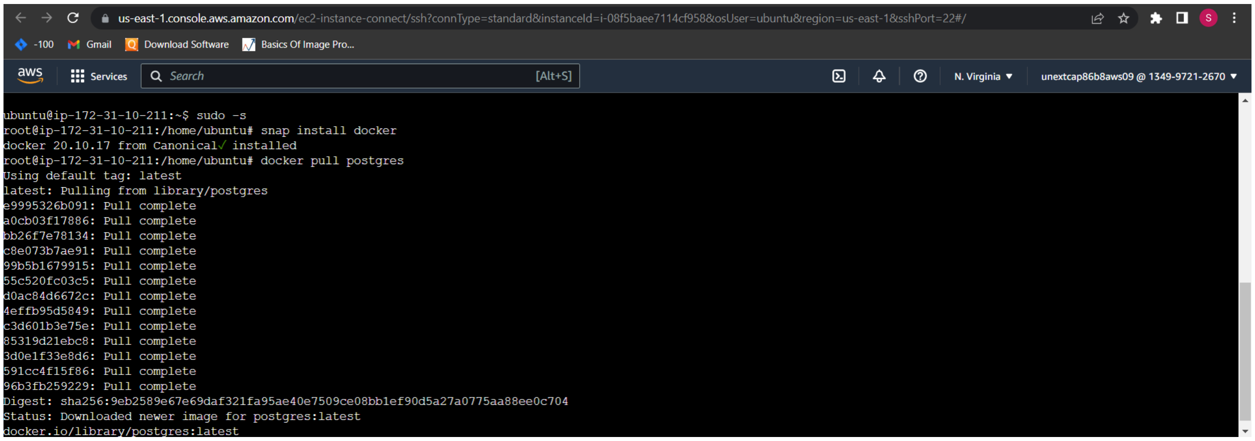
Instance ID
i-08f5baee7114cf958 (docker-grp3)

Public IP address
3.211.1.86

User name
ubuntu

Connect using a custom user name, or use the default user name ubuntu for the AMI used to launch the instance.

Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08f5baee7114cf958&osUser=ubuntu&region=us-east-1&sshPort=22#/
-100
Gmail
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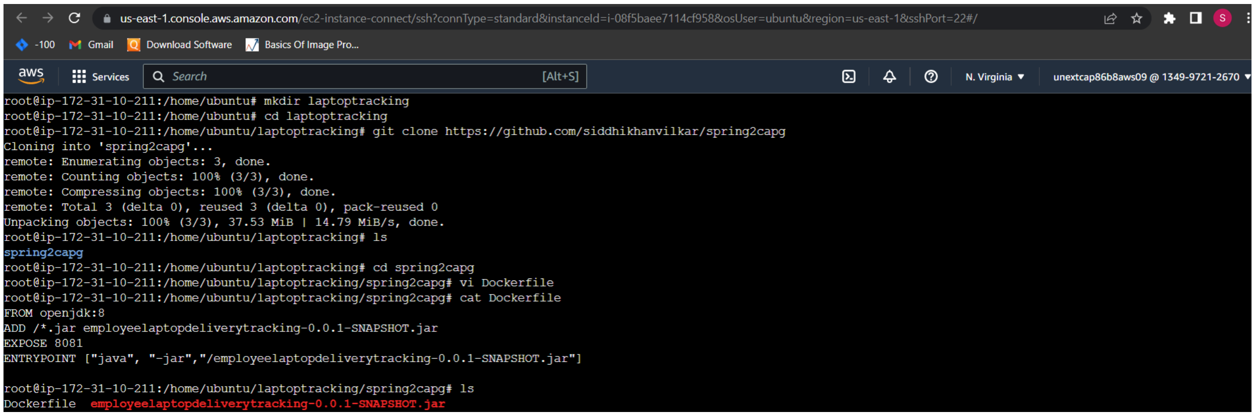
unextcap86b8aws09 @ 1349-9721-2670 ▼

```
ubuntu@ip-172-31-10-211:~$ sudo -s
root@ip-172-31-10-211:/home/ubuntu# snap install docker
docker 20.10.17 from Canonical✓ installed
root@ip-172-31-10-211:/home/ubuntu# docker pull postgres
Using default tag: latest
latest: Pulling from library/postgres
e9995326b091: Pull complete
a0cb03f17886: Pull complete
bb26f7e78134: Pull complete
c8e073b7ae91: Pull complete
99b5b1679915: Pull complete
55c520fc03c5: Pull complete
d0ac84d6672c: Pull complete
4effb95d5849: Pull complete
c3d601b3e75e: Pull complete
85319d21ebc8: Pull complete
3d0e1f33e8d6: Pull complete
591cc4f15f86: Pull complete
96b3fb259229: Pull complete
Digest: sha256:9eb2589e67e69daf321fa95ae40e7509ce08bb1ef90d5a27a0775aa88ee0c704
Status: Downloaded newer image for postgres:latest
docker.io/library/postgres:latest
```


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08f5baee7114cf958&osUser=ubuntu&region=us-east-1&sshPort=22#/
-100
Gmail
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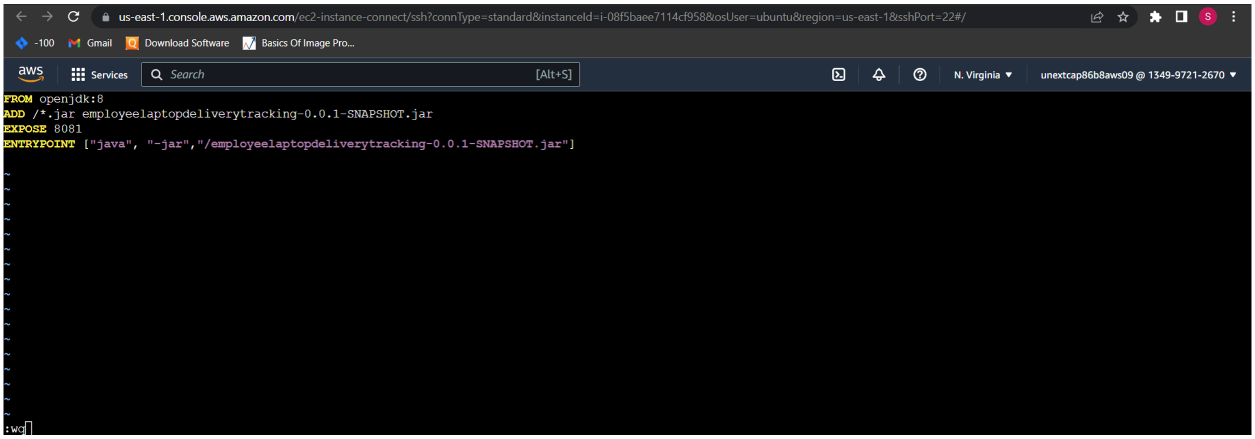
```
root@ip-172-31-10-211:/home/ubuntu# mkdir laptoptracking
root@ip-172-31-10-211:/home/ubuntu# cd laptoptracking
root@ip-172-31-10-211:/home/ubuntu/laptoptracking# git clone https://github.com/siddhikhanvilkar/spring2capg
Cloning into 'spring2capg'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 37.53 MiB | 14.79 MiB/s, done.
root@ip-172-31-10-211:/home/ubuntu/laptoptracking# ls
spring2capg
root@ip-172-31-10-211:/home/ubuntu/laptoptracking# cd spring2capg
root@ip-172-31-10-211:/home/ubuntu/laptoptracking/spring2capg# vi Dockerfile
root@ip-172-31-10-211:/home/ubuntu/laptoptracking/spring2capg# cat Dockerfile
FROM openjdk:8
ADD /*.jar employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar
EXPOSE 8081
ENTRYPOINT ["java", "-jar","/employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar"]

root@ip-172-31-10-211:/home/ubuntu/laptoptracking/spring2capg# ls
Dockerfile  employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar
```


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08f5baee7114cf958&osUser=ubuntu&region=us-east-1&sshPort=22#/
-100
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```
FROM openjdk:8
ADD /*.jar employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar
EXPOSE 8081
ENTRYPOINT ["java", "-jar","/employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar"]

~
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~
~
~
~
~
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:wq
```

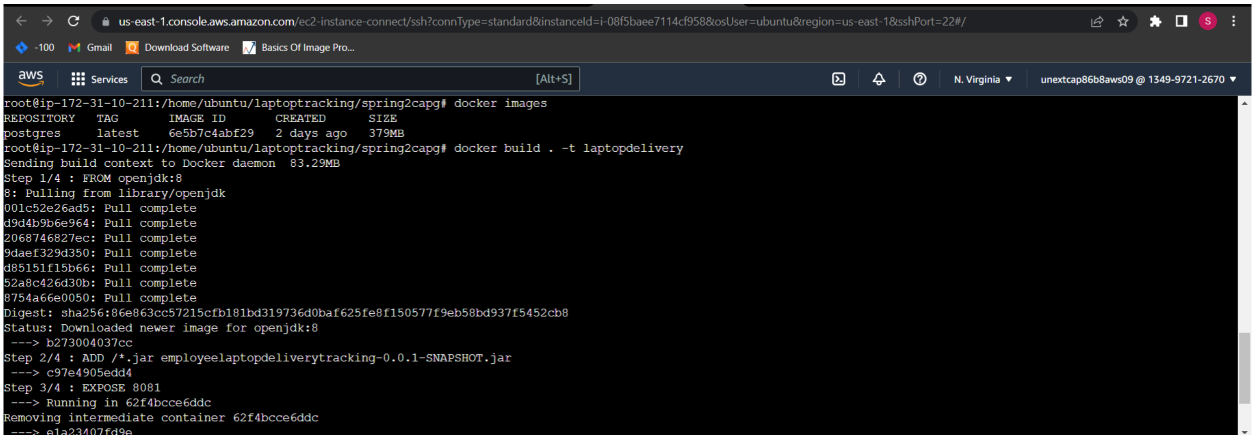
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08f5baee7114cf958&osUser=ubuntu&region=us-east-1&sshPort=22#/
-100
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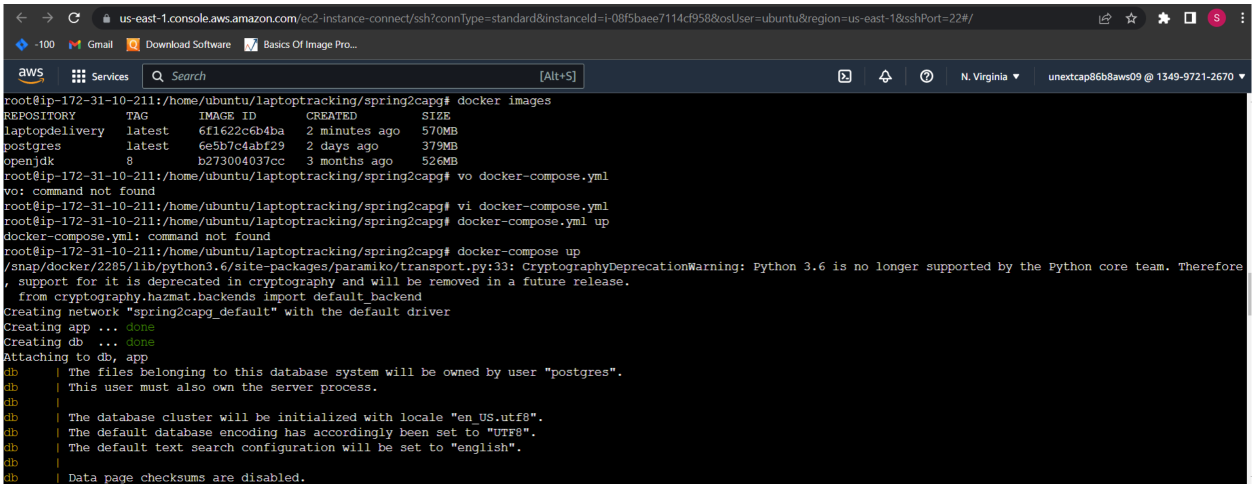
```
root@ip-172-31-10-211:/home/ubuntu/laptoptracking/spring2capg# docker images
REPOSITORY   TAG       IMAGE ID       CREATED      SIZE
postgres     latest    6e5b7c4abf29   2 days ago   379MB
root@ip-172-31-10-211:/home/ubuntu/laptoptracking/spring2capg# docker build . -t laptopdelivery
Sending build context to Docker daemon  83.29MB
Step 1/4 : FROM openjdk:8
8: Pulling from library/openjdk
001c52e26ad5: Pull complete
d9d4b9b6e964: Pull complete
2068746827ec: Pull complete
9daef329d350: Pull complete
d85151f15b66: Pull complete
52a8c426d30b: Pull complete
8754a66e0050: Pull complete
Digest: sha256:86e863cc57215cfb181bd319736d0baf625fe8f150577f9eb58bd937f5452cb8
Status: Downloaded newer image for openjdk:8
 ---> b273004037cc
Step 2/4 : ADD /*.jar employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar
 ---> c97e4905edd4
Step 3/4 : EXPOSE 8081
 ---> Running in 62f4bcce6ddc
Removing intermediate container 62f4bcce6ddc
 ---> e1a23407fd9e
```



us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08f5baee7114cf958&osUser=ubuntu&region=us-east-1&sshPort=22#/
-100
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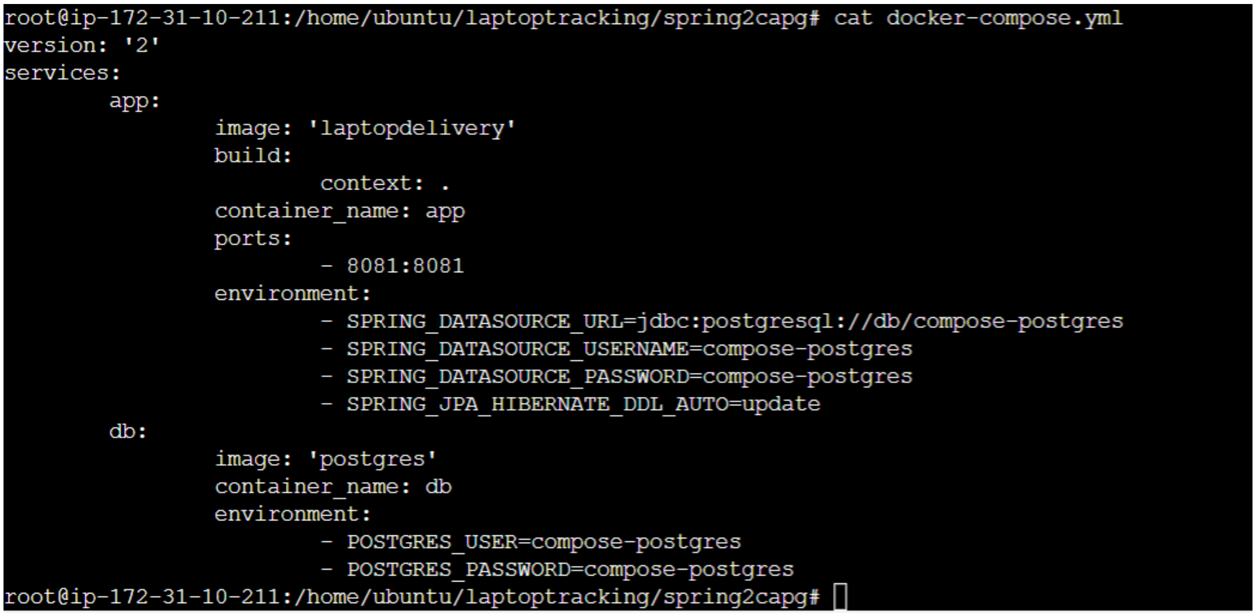
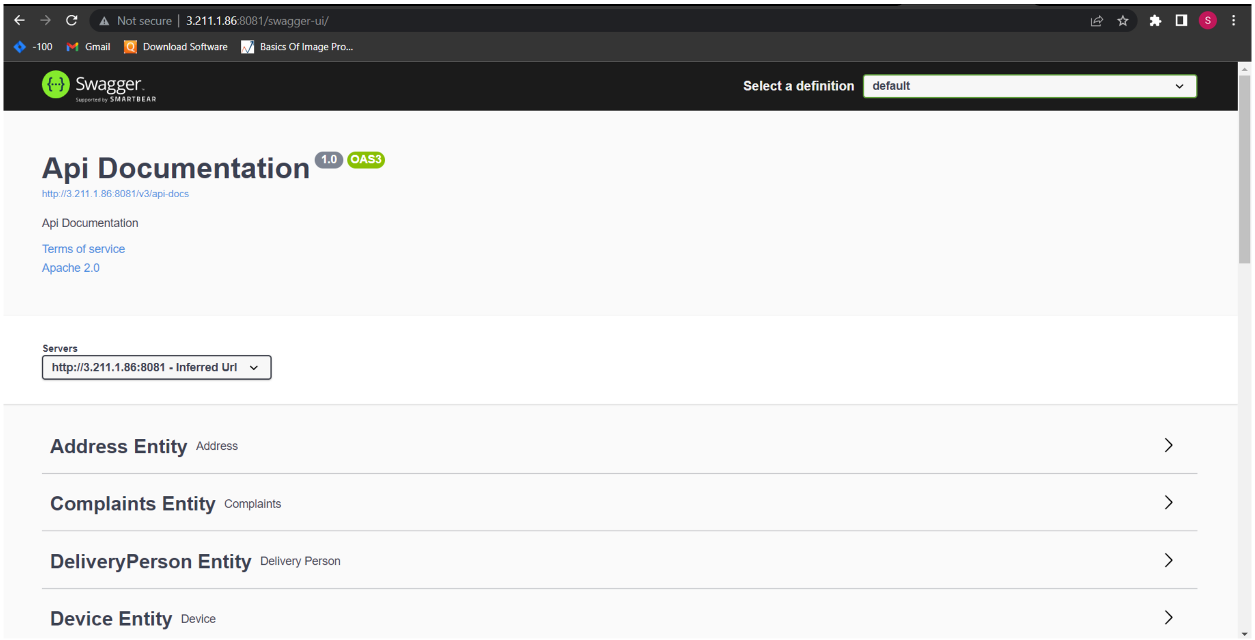
```
root@ip-172-31-10-211:/home/ubuntu/laptoptracking/spring2capg# docker images
REPOSITORY       TAG       IMAGE ID       CREATED          SIZE
laptopdelivery   latest    6f1622c6b4ba   2 minutes ago    570MB
postgres         latest    6e5b7c4abf29   2 days ago       379MB
openjdk          8         b273004037cc   3 months ago     526MB
root@ip-172-31-10-211:/home/ubuntu/laptoptracking/spring2capg# vo docker-compose.yml
vo: command not found
root@ip-172-31-10-211:/home/ubuntu/laptoptracking/spring2capg# vi docker-compose.yml
root@ip-172-31-10-211:/home/ubuntu/laptoptracking/spring2capg# docker-compose.yml up
docker-compose.yml: command not found
root@ip-172-31-10-211:/home/ubuntu/laptoptracking/spring2capg# docker-compose up
/snap/docker/2285/lib/python3.6/site-packages/paramiko/transport.py:33: CryptographyDeprecationWarning: Python 3.6 is no longer supported by the Python core team. Therefore
, support for it is deprecated in cryptography and will be removed in a future release.
  from cryptography.hazmat.backends import default_backend
Creating network "spring2capg_default" with the default driver
Creating app ... done
Creating db  ... done
Attaching to db, app
db      | The files belonging to this database system will be owned by user "postgres".
db      | This user must also own the server process.
db      |
db      | The database cluster will be initialized with locale "en_US.utf8".
db      | The default database encoding has accordingly been set to "UTF8".
db      | The default text search configuration will be set to "english".
db      |
db      | Data page checksums are disabled.
```



```
root@ip-172-31-10-211:/home/ubuntu/laptoptracking/spring2capg# cat docker-compose.yml
version: '2'
services:
        app:
                image: 'laptopdelivery'
                build:
                        context: .
                container_name: app
                ports:
                        - 8081:8081
                environment:
                        - SPRING_DATASOURCE_URL=jdbc:postgresql://db/compose-postgres
                        - SPRING_DATASOURCE_USERNAME=compose-postgres
                        - SPRING_DATASOURCE_PASSWORD=compose-postgres
                        - SPRING_JPA_HIBERNATE_DDL_AUTO=update
        db:
                image: 'postgres'
                container_name: db
                environment:
                        - POSTGRES_USER=compose-postgres
                        - POSTGRES_PASSWORD=compose-postgres
root@ip-172-31-10-211:/home/ubuntu/laptoptracking/spring2capg# 
```

http://3.211.1.86:8081/swagger-ui/



Api Documentation 1.0 OAS3

http://3.211.1.86:8081/v3/api-docs

Api Documentation

Terms of service

Apache 2.0

Servers

http://3.211.1.86:8081 - Inferred Url

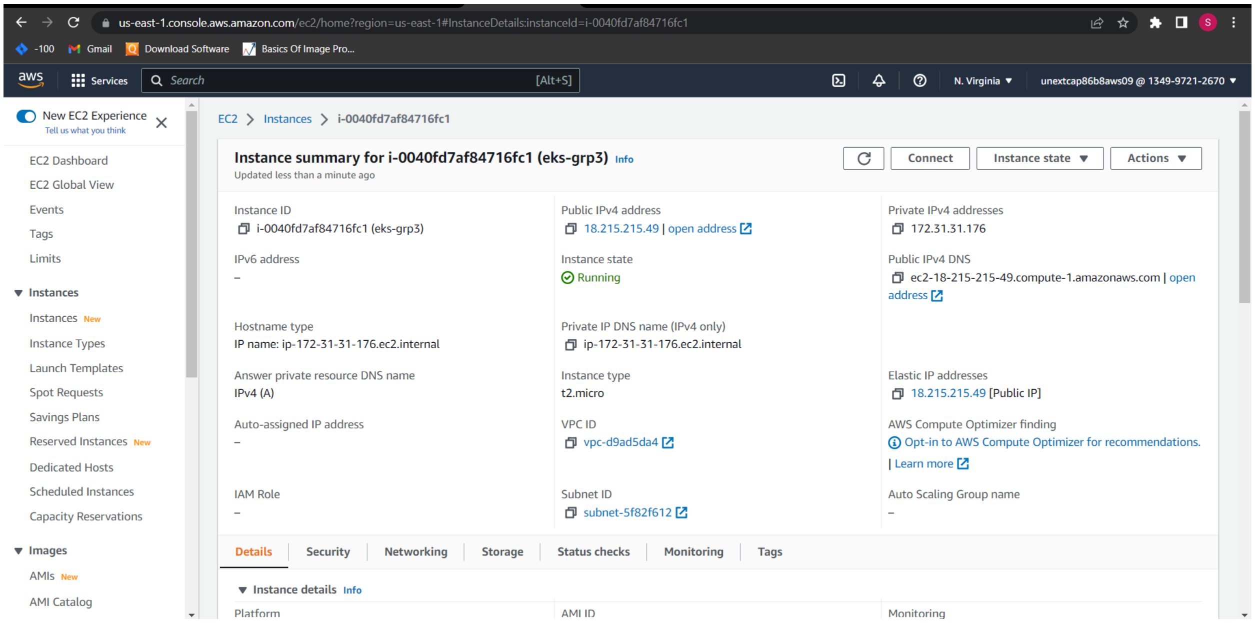
Address Entity Address

Complaints Entity Complaints

DeliveryPerson Entity Delivery Person

Device Entity Device

EKS DEPLOYEMENT:-



Instance summary for i-0040fd7af84716fc1 (eks-grp3) Info

Updated less than a minute ago

Instance ID: i-0040fd7af84716fc1 (eks-grp3)

Public IPv4 address: 18.215.215.49 | open address

Private IPv4 addresses: 172.31.31.176

IPv6 address: –

Instance state: Running

Public IPv4 DNS: ec2-18-215-215-49.compute-1.amazonaws.com | open address

Hostname type: IP name: ip-172-31-31-176.ec2.internal

Private IP DNS name (IPv4 only): ip-172-31-31-176.ec2.internal

Answer private resource DNS name: IPv4 (A)

Instance type: t2.micro

Elastic IP addresses: 18.215.215.49 [Public IP]

Auto-assigned IP address: –

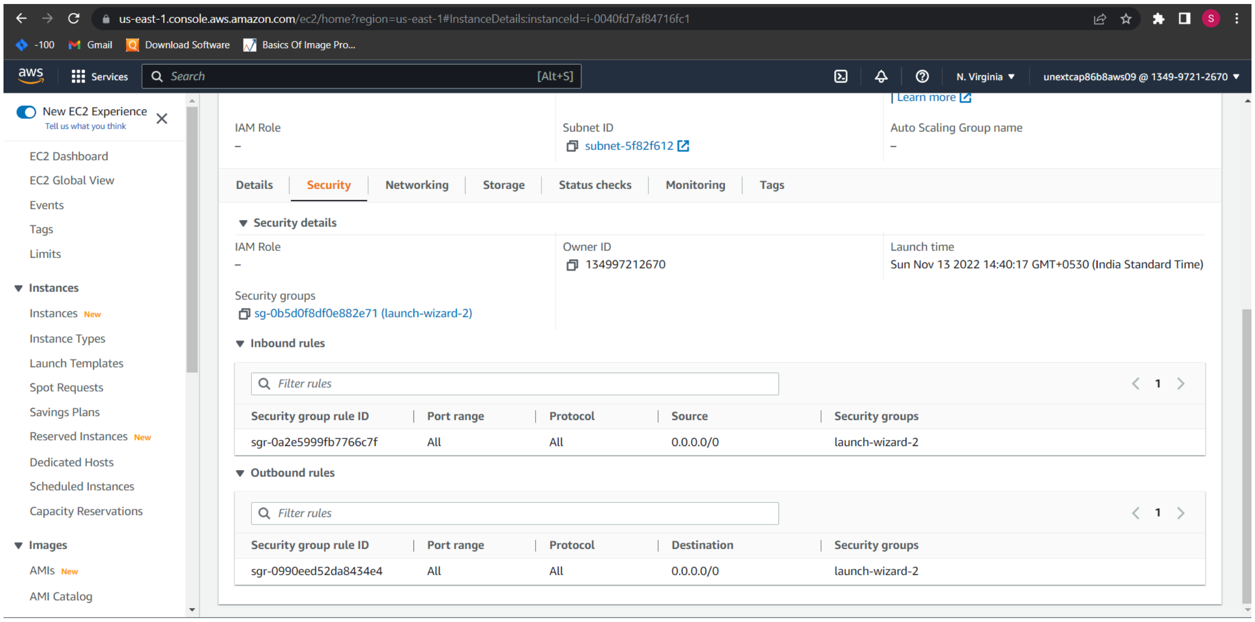
VPC ID: vpc-d9ad5da4

AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations. | Learn more

IAM Role: –

Subnet ID: subnet-5f82f612

Auto Scaling Group name: –



us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#InstanceDetails:instanceId=i-0040fd7af84716fc1

IAM Role
–

Subnet ID
subnet-5f82f612

Auto Scaling Group name
–

▼ Security details

IAM Role
–

Owner ID
134997212670

Launch time
Sun Nov 13 2022 14:40:17 GMT+0530 (India Standard Time)

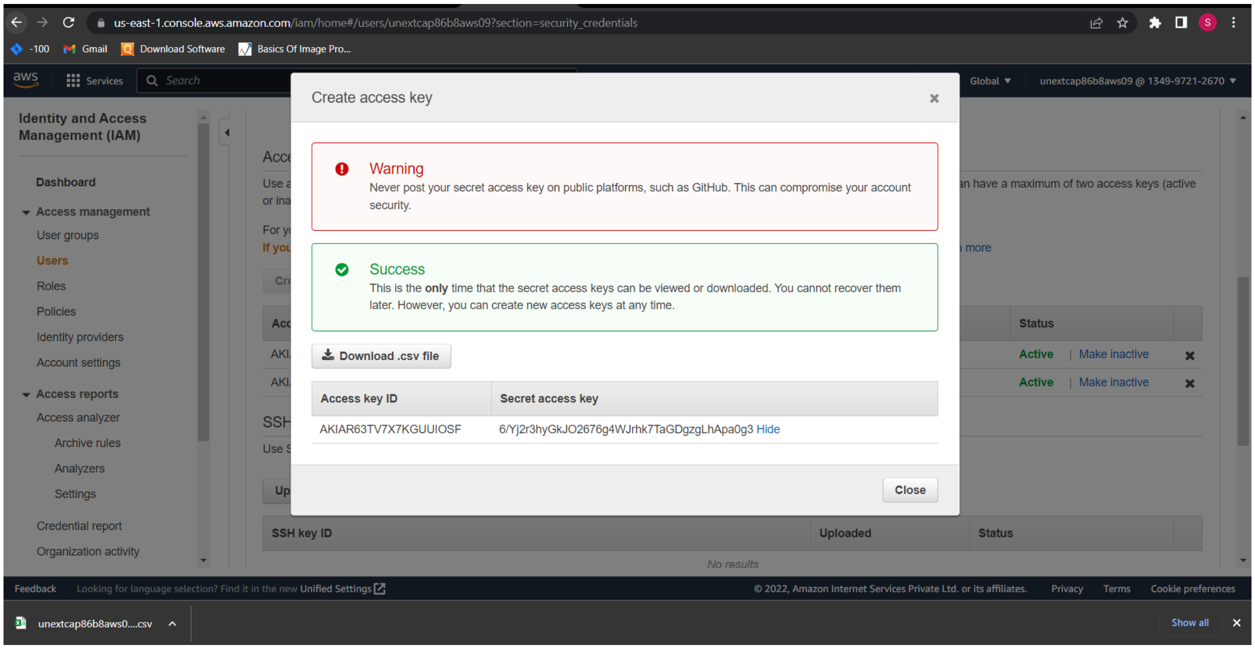
Security groups
sg-0b5d0f8df0e882e71 (launch-wizard-2)

▼ Inbound rules

Security group rule ID	Port range	Protocol	Source	Security groups
sgr-0a2e5999fb7766c7f	All	All	0.0.0.0/0	launch-wizard-2

▼ Outbound rules

Security group rule ID	Port range	Protocol	Destination	Security groups
sgr-0990eed52da8434e4	All	All	0.0.0.0/0	launch-wizard-2



us-east-1.console.aws.amazon.com/iam/home#/users/unextcap86b8aws09?section=security_credentials

Create access key ×

Warning
Never post your secret access key on public platforms, such as GitHub. This can compromise your account security.

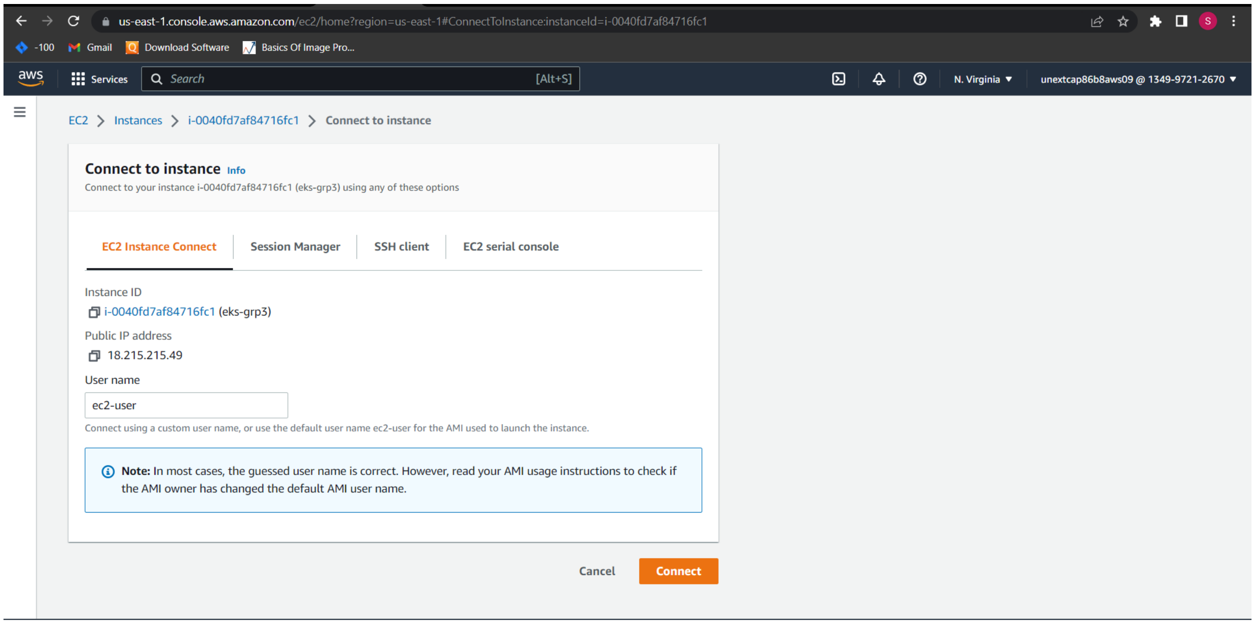
Success
This is the **only** time that the secret access keys can be viewed or downloaded. You cannot recover them later. However, you can create new access keys at any time.

Download .csv file

Access key ID	Secret access key
AKIAR63TV7X7KGUUIOSF	6/Yj2r3hyGkJO2676g4WJrhk7TaGDgzgLhApa0g3 Hide

Close

AKIAR63TV7X7KGUUIOSF:6/Yj2r3hyGkJO2676g4WJrhk7TaGDgzgLhApa0g3


us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ConnectToInstance:instanceId=i-0040fd7af84716fc1
-100
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unextcap86b8aws09 @ 1349-9721-2670 ▼
EC2 > Instances > i-0040fd7af84716fc1 > Connect to instance

Connect to instance Info

Connect to your instance i-0040fd7af84716fc1 (eks-grp3) using any of these options

EC2 Instance Connect
Session Manager
SSH client
EC2 serial console

Instance ID

i-0040fd7af84716fc1 (eks-grp3)

Public IP address

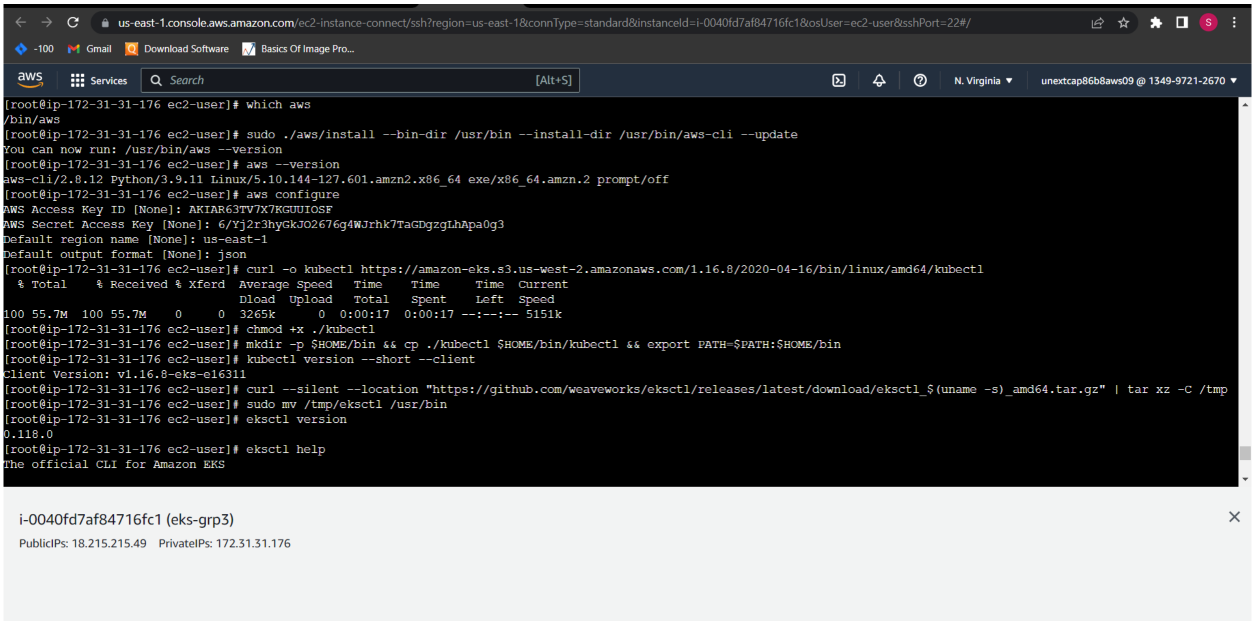
18.215.215.49

User name

ec2-user

Connect using a custom user name, or use the default user name ec2-user for the AMI used to launch the instance.

Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
-100
Gmail
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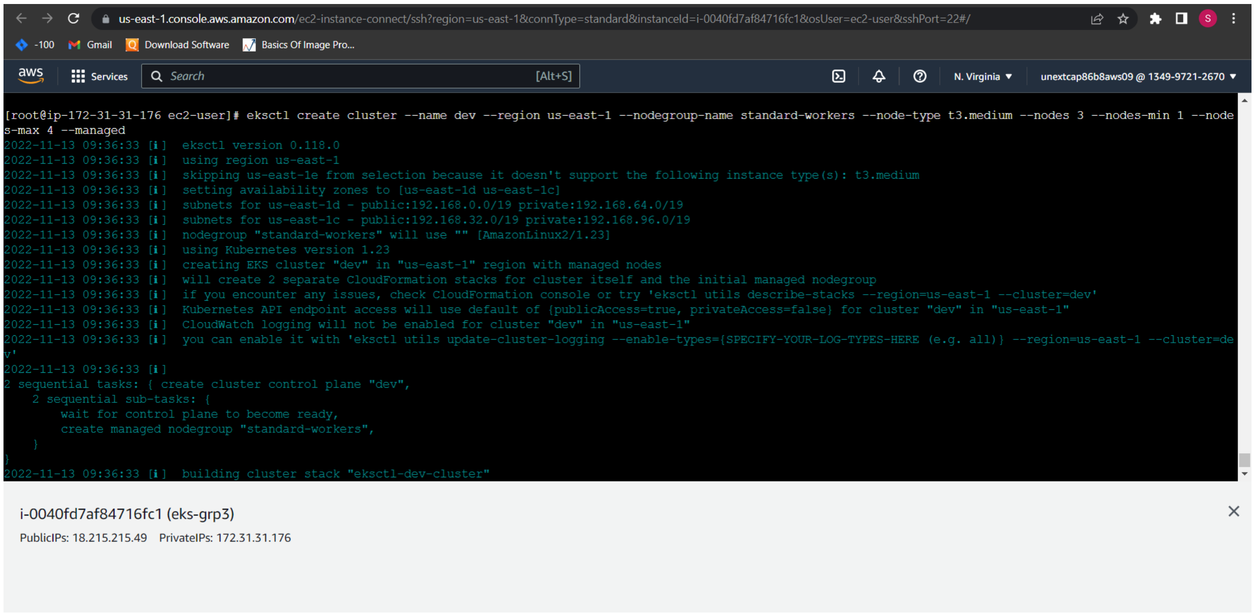
unextcap86b8aws09 @ 1349-9721-2670 ▼

```
[root@ip-172-31-31-176 ec2-user]# which aws
/bin/aws
[root@ip-172-31-31-176 ec2-user]# sudo ./aws/install --bin-dir /usr/bin --install-dir /usr/bin/aws-cli --update
You can now run: /usr/bin/aws --version
[root@ip-172-31-31-176 ec2-user]# aws --version
aws-cli/2.8.12 Python/3.9.11 Linux/5.10.144-127.601.amzn2.x86_64 exe/x86_64.amzn.2 prompt/off
[root@ip-172-31-31-176 ec2-user]# aws configure
AWS Access Key ID [None]: AKIAR63TV7X7KGUUIOSF
AWS Secret Access Key [None]: 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
Default region name [None]: us-east-1
Default output format [None]: json
[root@ip-172-31-31-176 ec2-user]# curl -o kubectl https://amazon-eks.s3.us-west-2.amazonaws.com/1.16.8/2020-04-16/bin/linux/amd64/kubectl
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100 55.7M  100 55.7M    0     0  3265k      0  0:00:17  0:00:17 --:--:-- 5151k
[root@ip-172-31-31-176 ec2-user]# chmod +x ./kubectl
[root@ip-172-31-31-176 ec2-user]# mkdir -p $HOME/bin && cp ./kubectl $HOME/bin/kubectl && export PATH=$PATH:$HOME/bin
[root@ip-172-31-31-176 ec2-user]# kubectl version --short --client
Client Version: v1.16.8-eks-e16311
[root@ip-172-31-31-176 ec2-user]# curl --silent --location "https://github.com/weaveworks/eksctl/releases/latest/download/eksctl_$(uname -s)_amd64.tar.gz" | tar xz -C /tmp
[root@ip-172-31-31-176 ec2-user]# sudo mv /tmp/eksctl /usr/bin
[root@ip-172-31-31-176 ec2-user]# eksctl version
0.118.0
[root@ip-172-31-31-176 ec2-user]# eksctl help
The official CLI for Amazon EKS
```

i-0040fd7af84716fc1 (eks-grp3)

PublicIPs: 18.215.215.49   PrivateIPs: 172.31.31.176



us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
-100
Gmail
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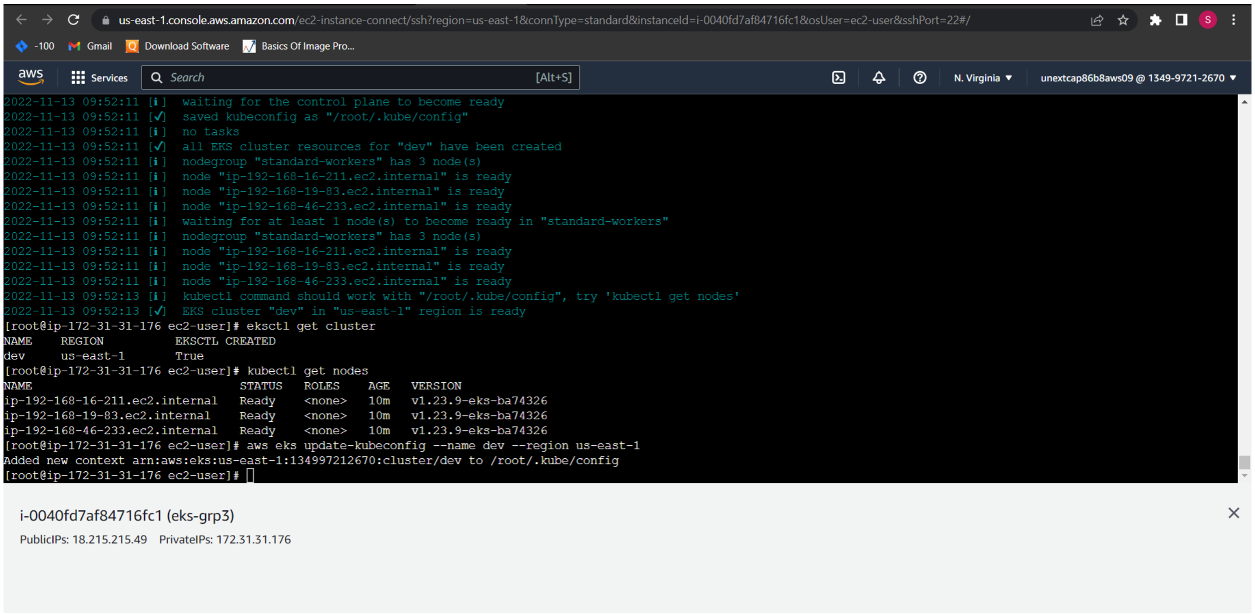
unextcap86b8aws09 @ 1349-9721-2670 ▼

```
[root@ip-172-31-31-176 ec2-user]# eksctl create cluster --name dev --region us-east-1 --nodegroup-name standard-workers --node-type t3.medium --nodes 3 --nodes-min 1 --node
s-max 4 --managed
2022-11-13 09:36:33 [i]  eksctl version 0.118.0
2022-11-13 09:36:33 [i]  using region us-east-1
2022-11-13 09:36:33 [i]  skipping us-east-1e from selection because it doesn't support the following instance type(s): t3.medium
2022-11-13 09:36:33 [i]  setting availability zones to [us-east-1d us-east-1c]
2022-11-13 09:36:33 [i]  subnets for us-east-1d - public:192.168.0.0/19 private:192.168.64.0/19
2022-11-13 09:36:33 [i]  subnets for us-east-1c - public:192.168.32.0/19 private:192.168.96.0/19
2022-11-13 09:36:33 [i]  nodegroup "standard-workers" will use "" [AmazonLinux2/1.23]
2022-11-13 09:36:33 [i]  using Kubernetes version 1.23
2022-11-13 09:36:33 [i]  creating EKS cluster "dev" in "us-east-1" region with managed nodes
2022-11-13 09:36:33 [i]  will create 2 separate CloudFormation stacks for cluster itself and the initial managed nodegroup
2022-11-13 09:36:33 [i]  if you encounter any issues, check CloudFormation console or try 'eksctl utils describe-stacks --region=us-east-1 --cluster=dev'
2022-11-13 09:36:33 [i]  Kubernetes API endpoint access will use default of {publicAccess=true, privateAccess=false} for cluster "dev" in "us-east-1"
2022-11-13 09:36:33 [i]  CloudWatch logging will not be enabled for cluster "dev" in "us-east-1"
2022-11-13 09:36:33 [i]  you can enable it with 'eksctl utils update-cluster-logging --enable-types={SPECIFY-YOUR-LOG-TYPES-HERE (e.g. all)} --region=us-east-1 --cluster=de
v'
2022-11-13 09:36:33 [i]
2 sequential tasks: { create cluster control plane "dev",
    2 sequential sub-tasks: {
        wait for control plane to become ready,
        create managed nodegroup "standard-workers",
    }
}
2022-11-13 09:36:33 [i]  building cluster stack "eksctl-dev-cluster"
```

i-0040fd7af84716fc1 (eks-grp3)

PublicIPs: 18.215.215.49   PrivateIPs: 172.31.31.176



us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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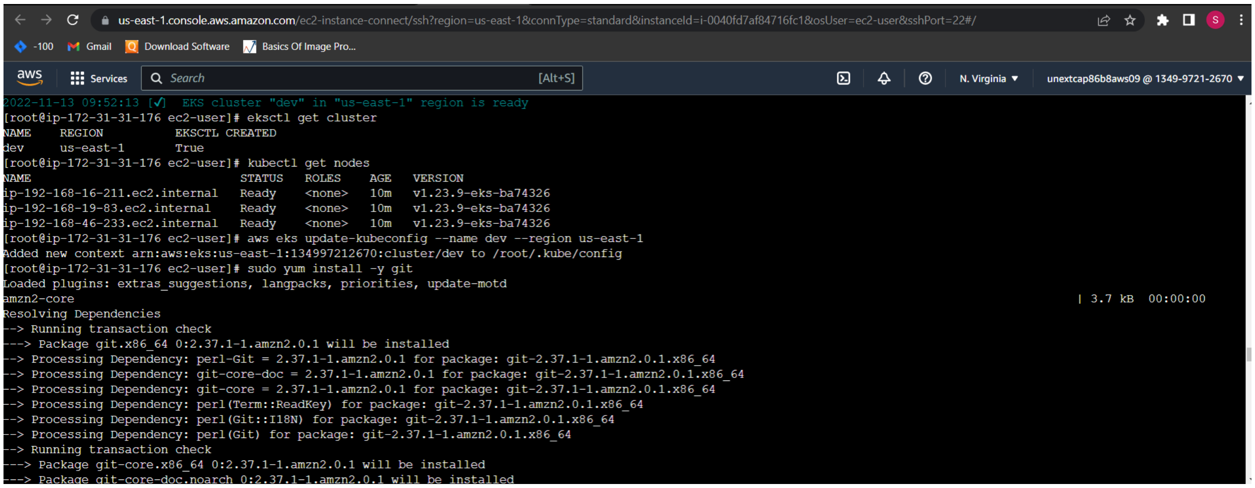
```
2022-11-13 09:52:11 [i]  waiting for the control plane to become ready
2022-11-13 09:52:11 [✓]  saved kubeconfig as "/root/.kube/config"
2022-11-13 09:52:11 [i]  no tasks
2022-11-13 09:52:11 [✓]  all EKS cluster resources for "dev" have been created
2022-11-13 09:52:11 [i]  nodegroup "standard-workers" has 3 node(s)
2022-11-13 09:52:11 [i]  node "ip-192-168-16-211.ec2.internal" is ready
2022-11-13 09:52:11 [i]  node "ip-192-168-19-83.ec2.internal" is ready
2022-11-13 09:52:11 [i]  node "ip-192-168-46-233.ec2.internal" is ready
2022-11-13 09:52:11 [i]  waiting for at least 1 node(s) to become ready in "standard-workers"
2022-11-13 09:52:11 [i]  nodegroup "standard-workers" has 3 node(s)
2022-11-13 09:52:11 [i]  node "ip-192-168-16-211.ec2.internal" is ready
2022-11-13 09:52:11 [i]  node "ip-192-168-19-83.ec2.internal" is ready
2022-11-13 09:52:11 [i]  node "ip-192-168-46-233.ec2.internal" is ready
2022-11-13 09:52:13 [i]  kubectl command should work with "/root/.kube/config", try 'kubectl get nodes'
2022-11-13 09:52:13 [✓]  EKS cluster "dev" in "us-east-1" region is ready
[root@ip-172-31-31-176 ec2-user]# eksctl get cluster
NAME    REGION          EKSCTL CREATED
dev     us-east-1       True
[root@ip-172-31-31-176 ec2-user]# kubectl get nodes
NAME                             STATUS   ROLES    AGE   VERSION
ip-192-168-16-211.ec2.internal   Ready    <none>   10m   v1.23.9-eks-ba74326
ip-192-168-19-83.ec2.internal    Ready    <none>   10m   v1.23.9-eks-ba74326
ip-192-168-46-233.ec2.internal   Ready    <none>   10m   v1.23.9-eks-ba74326
[root@ip-172-31-31-176 ec2-user]# aws eks update-kubeconfig --name dev --region us-east-1
Added new context arn:aws:eks:us-east-1:134997212670:cluster/dev to /root/.kube/config
[root@ip-172-31-31-176 ec2-user]# 
```

i-0040fd7af84716fc1 (eks-grp3)

PublicIPs: 18.215.215.49   PrivateIPs: 172.31.31.176


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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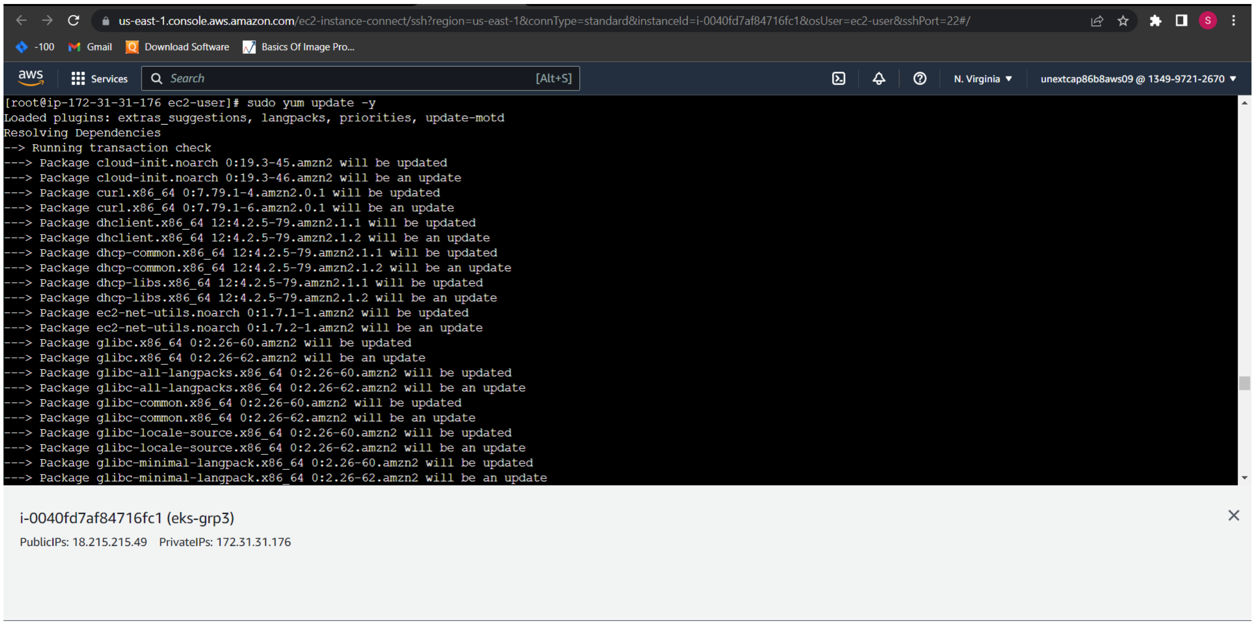
```
2022-11-13 09:52:13 [✓]  EKS cluster "dev" in "us-east-1" region is ready
[root@ip-172-31-31-176 ec2-user]# eksctl get cluster
NAME    REGION          EKSCTL CREATED
dev     us-east-1       True
[root@ip-172-31-31-176 ec2-user]# kubectl get nodes
NAME                             STATUS   ROLES    AGE   VERSION
ip-192-168-16-211.ec2.internal   Ready    <none>   10m   v1.23.9-eks-ba74326
ip-192-168-19-83.ec2.internal    Ready    <none>   10m   v1.23.9-eks-ba74326
ip-192-168-46-233.ec2.internal   Ready    <none>   10m   v1.23.9-eks-ba74326
[root@ip-172-31-31-176 ec2-user]# aws eks update-kubeconfig --name dev --region us-east-1
Added new context arn:aws:eks:us-east-1:134997212670:cluster/dev to /root/.kube/config
[root@ip-172-31-31-176 ec2-user]# sudo yum install -y git
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                                                                                                                  | 3.7 kB  00:00:00
Resolving Dependencies
--> Running transaction check
---> Package git.x86_64 0:2.37.1-1.amzn2.0.1 will be installed
--> Processing Dependency: perl-Git = 2.37.1-1.amzn2.0.1 for package: git-2.37.1-1.amzn2.0.1.x86_64
--> Processing Dependency: git-core-doc = 2.37.1-1.amzn2.0.1 for package: git-2.37.1-1.amzn2.0.1.x86_64
--> Processing Dependency: git-core = 2.37.1-1.amzn2.0.1 for package: git-2.37.1-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Term::ReadKey) for package: git-2.37.1-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Git::I18N) for package: git-2.37.1-1.amzn2.0.1.x86_64
--> Processing Dependency: perl(Git) for package: git-2.37.1-1.amzn2.0.1.x86_64
--> Running transaction check
---> Package git-core.x86_64 0:2.37.1-1.amzn2.0.1 will be installed
---> Package git-core-doc.noarch 0:2.37.1-1.amzn2.0.1 will be installed
```


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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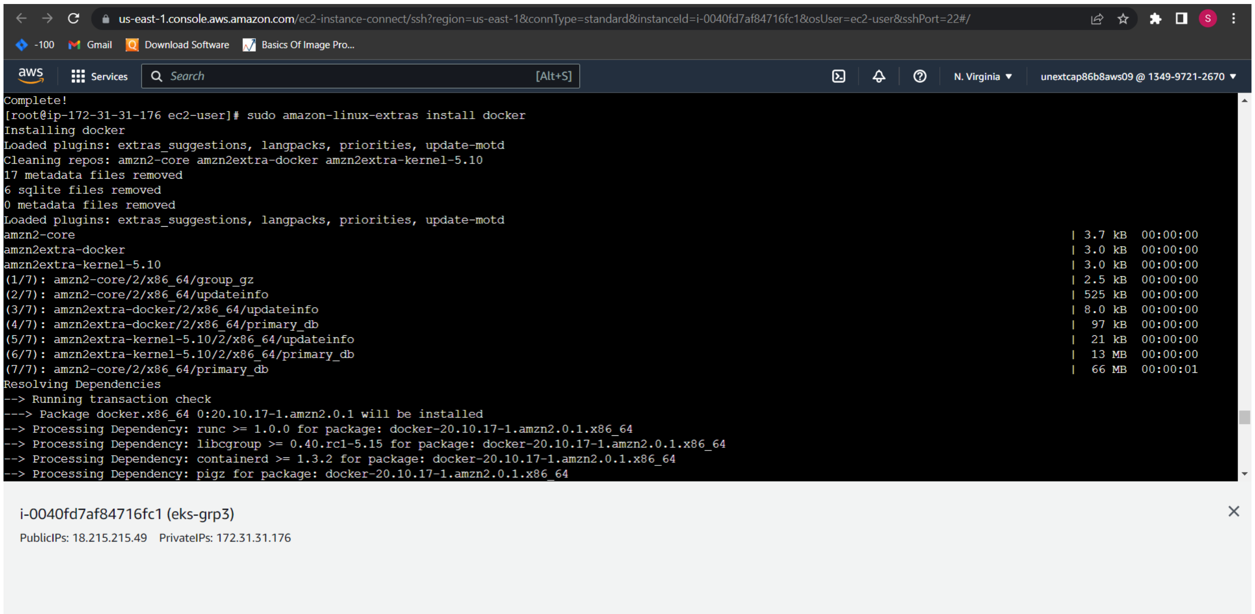
```
[root@ip-172-31-31-176 ec2-user]# sudo yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
---> Package cloud-init.noarch 0:19.3-45.amzn2 will be updated
---> Package cloud-init.noarch 0:19.3-46.amzn2 will be an update
---> Package curl.x86_64 0:7.79.1-4.amzn2.0.1 will be updated
---> Package curl.x86_64 0:7.79.1-6.amzn2.0.1 will be an update
---> Package dhclient.x86_64 12:4.2.5-79.amzn2.1.1 will be updated
---> Package dhclient.x86_64 12:4.2.5-79.amzn2.1.2 will be an update
---> Package dhcp-common.x86_64 12:4.2.5-79.amzn2.1.1 will be updated
---> Package dhcp-common.x86_64 12:4.2.5-79.amzn2.1.2 will be an update
---> Package dhcp-libs.x86_64 12:4.2.5-79.amzn2.1.1 will be updated
---> Package dhcp-libs.x86_64 12:4.2.5-79.amzn2.1.2 will be an update
---> Package ec2-net-utils.noarch 0:1.7.1-1.amzn2 will be updated
---> Package ec2-net-utils.noarch 0:1.7.2-1.amzn2 will be an update
---> Package glibc.x86_64 0:2.26-60.amzn2 will be updated
---> Package glibc.x86_64 0:2.26-62.amzn2 will be an update
---> Package glibc-all-langpacks.x86_64 0:2.26-60.amzn2 will be updated
---> Package glibc-all-langpacks.x86_64 0:2.26-62.amzn2 will be an update
---> Package glibc-common.x86_64 0:2.26-60.amzn2 will be updated
---> Package glibc-common.x86_64 0:2.26-62.amzn2 will be an update
---> Package glibc-locale-source.x86_64 0:2.26-60.amzn2 will be updated
---> Package glibc-locale-source.x86_64 0:2.26-62.amzn2 will be an update
---> Package glibc-minimal-langpack.x86_64 0:2.26-60.amzn2 will be updated
---> Package glibc-minimal-langpack.x86_64 0:2.26-62.amzn2 will be an update
```

i-0040fd7af84716fc1 (eks-grp3)

PublicIPs: 18.215.215.49   PrivateIPs: 172.31.31.176


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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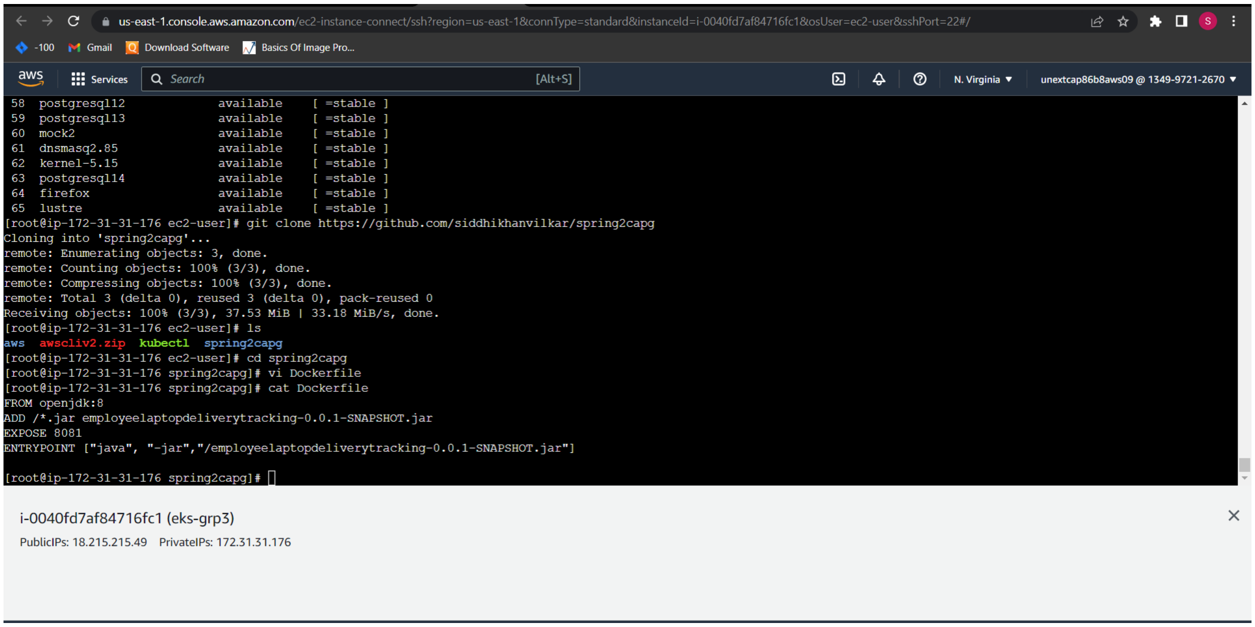
```
Complete!
[root@ip-172-31-31-176 ec2-user]# sudo amazon-linux-extras install docker
Installing docker
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-kernel-5.10
17 metadata files removed
6 sqlite files removed
0 metadata files removed
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                                                                                                                        | 3.7 kB  00:00:00
amzn2extra-docker                                                                                                                 | 3.0 kB  00:00:00
amzn2extra-kernel-5.10                                                                                                            | 3.0 kB  00:00:00
(1/7): amzn2-core/2/x86_64/group_gz                                                                                               | 2.5 kB  00:00:00
(2/7): amzn2-core/2/x86_64/updateinfo                                                                                             | 525 kB  00:00:00
(3/7): amzn2extra-docker/2/x86_64/updateinfo                                                                                      | 8.0 kB  00:00:00
(4/7): amzn2extra-docker/2/x86_64/primary_db                                                                                      |  97 kB  00:00:00
(5/7): amzn2extra-kernel-5.10/2/x86_64/updateinfo                                                                                 |  21 kB  00:00:00
(6/7): amzn2extra-kernel-5.10/2/x86_64/primary_db                                                                                 |  13 MB  00:00:00
(7/7): amzn2-core/2/x86_64/primary_db                                                                                             |  66 MB  00:00:01
Resolving Dependencies
--> Running transaction check
---> Package docker.x86_64 0:20.10.17-1.amzn2.0.1 will be installed
--> Processing Dependency: runc >= 1.0.0 for package: docker-20.10.17-1.amzn2.0.1.x86_64
--> Processing Dependency: libcgroup >= 0.40.rc1-5.15 for package: docker-20.10.17-1.amzn2.0.1.x86_64
--> Processing Dependency: containerd >= 1.3.2 for package: docker-20.10.17-1.amzn2.0.1.x86_64
--> Processing Dependency: pigz for package: docker-20.10.17-1.amzn2.0.1.x86_64
```

i-0040fd7af84716fc1 (eks-grp3)

PublicIPs: 18.215.215.49   PrivateIPs: 172.31.31.176


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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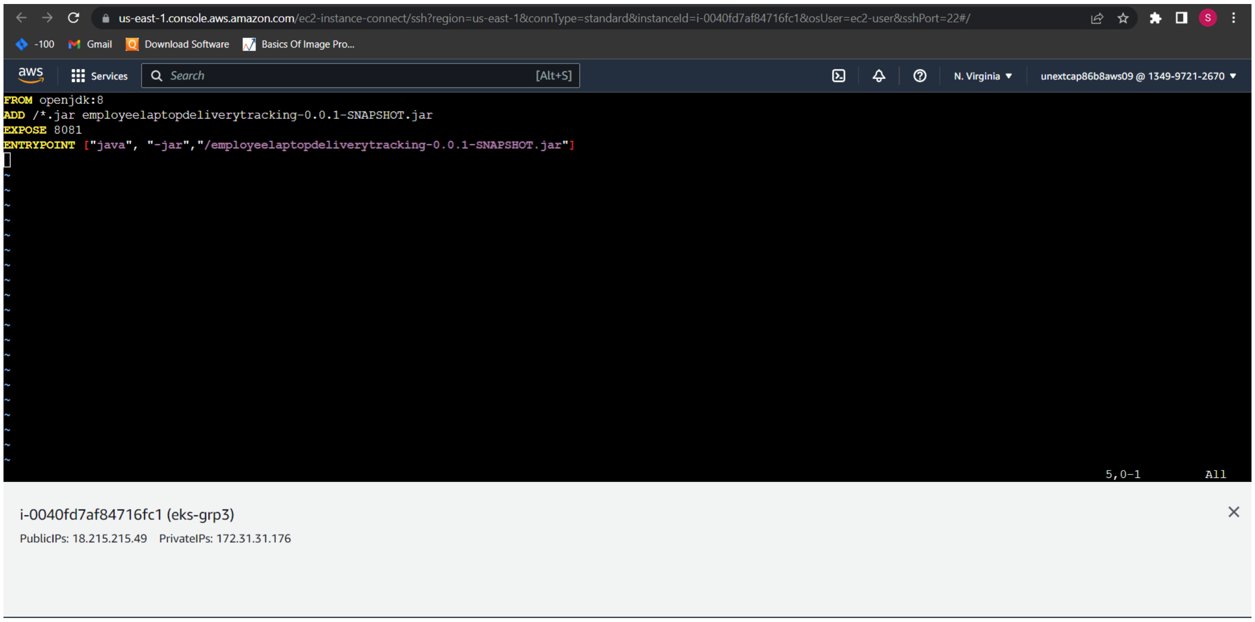
```
 58  postgresql12             available    [ =stable ]
 59  postgresql13             available    [ =stable ]
 60  mock2                    available    [ =stable ]
 61  dnsmasq2.85              available    [ =stable ]
 62  kernel-5.15              available    [ =stable ]
 63  postgresql14             available    [ =stable ]
 64  firefox                  available    [ =stable ]
 65  lustre                   available    [ =stable ]
[root@ip-172-31-31-176 ec2-user]# git clone https://github.com/siddhikhanvilkar/spring2capg
Cloning into 'spring2capg'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), 37.53 MiB | 33.18 MiB/s, done.
[root@ip-172-31-31-176 ec2-user]# ls
aws  awscliv2.zip  kubectl  spring2capg
[root@ip-172-31-31-176 ec2-user]# cd spring2capg
[root@ip-172-31-31-176 spring2capg]# vi Dockerfile
[root@ip-172-31-31-176 spring2capg]# cat Dockerfile
FROM openjdk:8
ADD /*.jar employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar
EXPOSE 8081
ENTRYPOINT ["java", "-jar","/employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar"]

[root@ip-172-31-31-176 spring2capg]# 
```

i-0040fd7af84716fc1 (eks-grp3)

PublicIPs: 18.215.215.49   PrivateIPs: 172.31.31.176


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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```
FROM openjdk:8
ADD /*.jar employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar
EXPOSE 8081
ENTRYPOINT ["java", "-jar","/employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar"]

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                                                                                          5,0-1         All
```
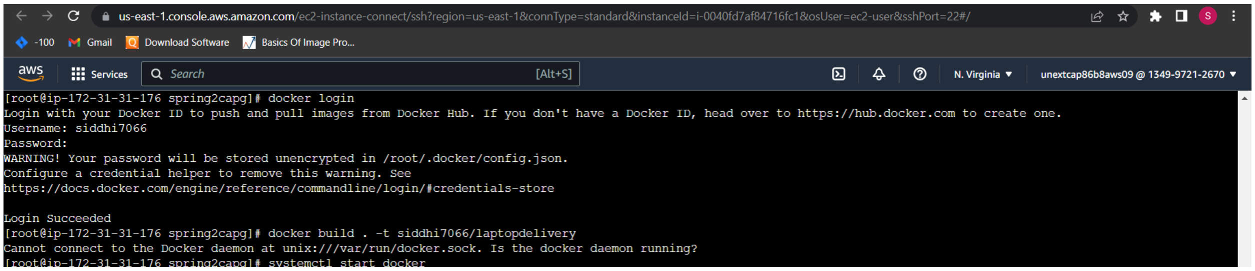

i-0040fd7af84716fc1 (eks-grp3)

PublicIPs: 18.215.215.49   PrivateIPs: 172.31.31.176


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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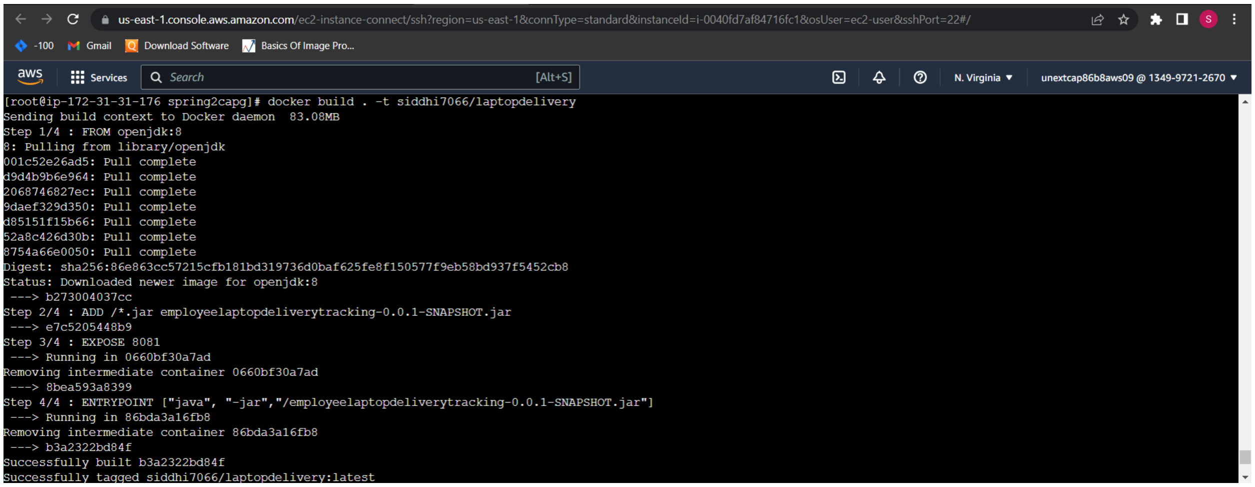
```
[root@ip-172-31-31-176 spring2capg]# docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: siddhi7066
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
[root@ip-172-31-31-176 spring2capg]# docker build . -t siddhi7066/laptopdelivery
Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running?
[root@ip-172-31-31-176 spring2capg]# systemctl start docker
```


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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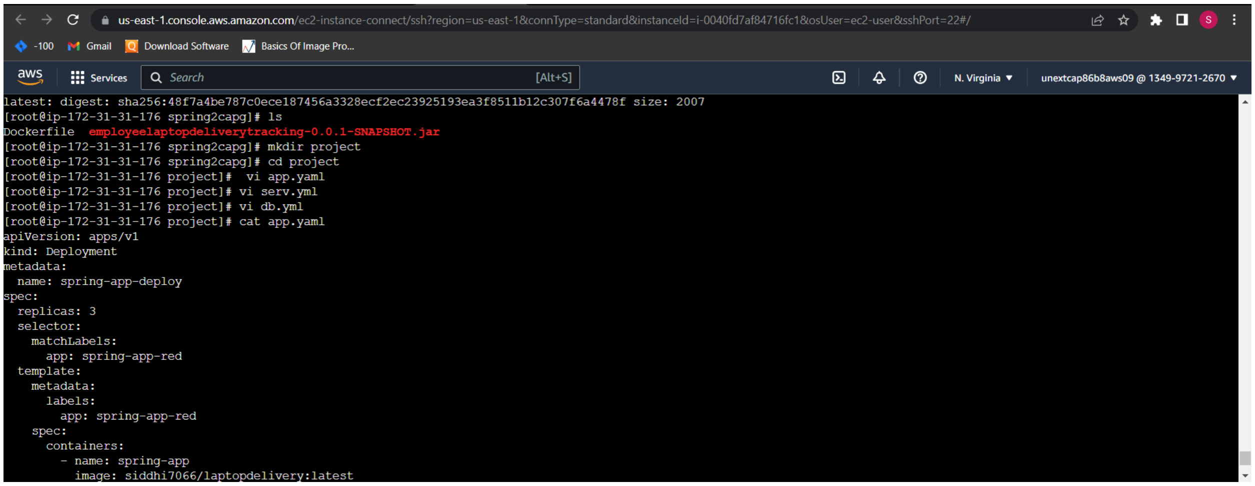
```
[root@ip-172-31-31-176 spring2capg]# docker build . -t siddhi7066/laptopdelivery
Sending build context to Docker daemon  83.08MB
Step 1/4 : FROM openjdk:8
8: Pulling from library/openjdk
001c52e26ad5: Pull complete
d9d4b9b6e964: Pull complete
2068746827ec: Pull complete
9daef329d350: Pull complete
d85151f15b66: Pull complete
52a8c426d30b: Pull complete
8754a66e0050: Pull complete
Digest: sha256:86e863cc57215cfb181bd319736d0baf625fe8f150577f9eb58bd937f5452cb8
Status: Downloaded newer image for openjdk:8
 ---> b273004037cc
Step 2/4 : ADD /*.jar employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar
 ---> e7c5205448b9
Step 3/4 : EXPOSE 8081
 ---> Running in 0660bf30a7ad
Removing intermediate container 0660bf30a7ad
 ---> 8bea593a8399
Step 4/4 : ENTRYPOINT ["java", "-jar","/employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar"]
 ---> Running in 86bda3a16fb8
Removing intermediate container 86bda3a16fb8
 ---> b3a2322bd84f
Successfully built b3a2322bd84f
Successfully tagged siddhi7066/laptopdelivery:latest
```



us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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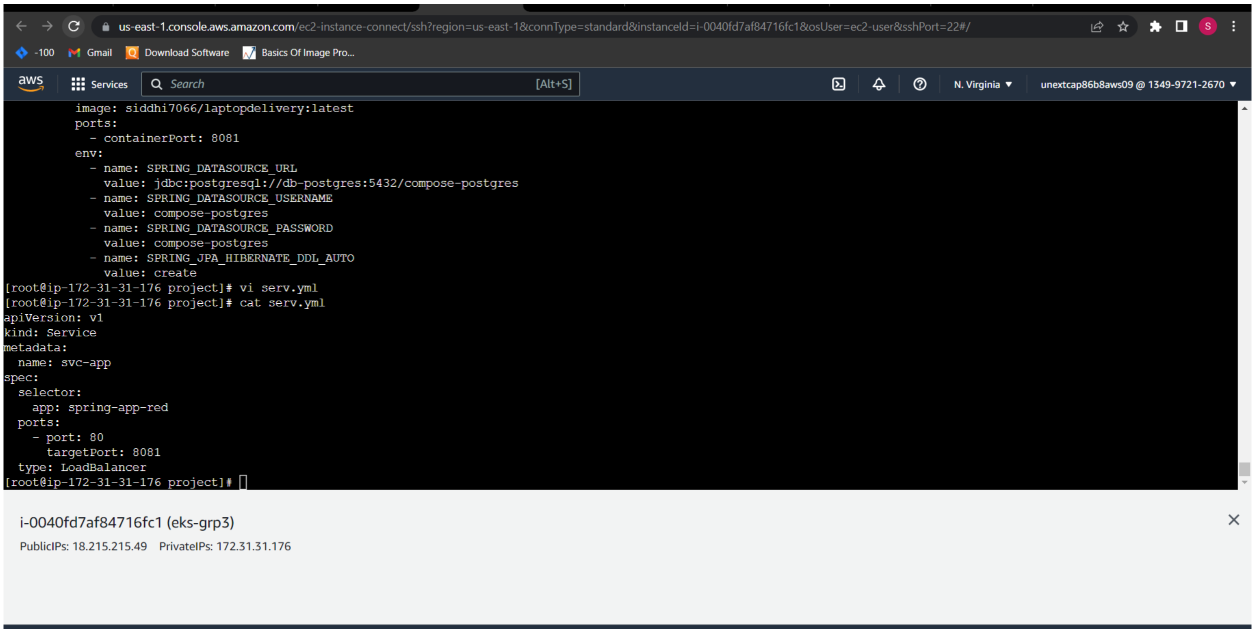
```
latest: digest: sha256:48f7a4be787c0ece187456a3328ecf2ec23925193ea3f8511b12c307f6a4478f size: 2007
[root@ip-172-31-31-176 spring2capg]# ls
Dockerfile  employeelaptopdeliverytracking-0.0.1-SNAPSHOT.jar
[root@ip-172-31-31-176 spring2capg]# mkdir project
[root@ip-172-31-31-176 spring2capg]# cd project
[root@ip-172-31-31-176 project]#  vi app.yaml
[root@ip-172-31-31-176 project]# vi serv.yml
[root@ip-172-31-31-176 project]# vi db.yml
[root@ip-172-31-31-176 project]# cat app.yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: spring-app-deploy
spec:
  replicas: 3
  selector:
    matchLabels:
      app: spring-app-red
  template:
    metadata:
      labels:
        app: spring-app-red
    spec:
      containers:
        - name: spring-app
          image: siddhi7066/laptopdelivery:latest
```



us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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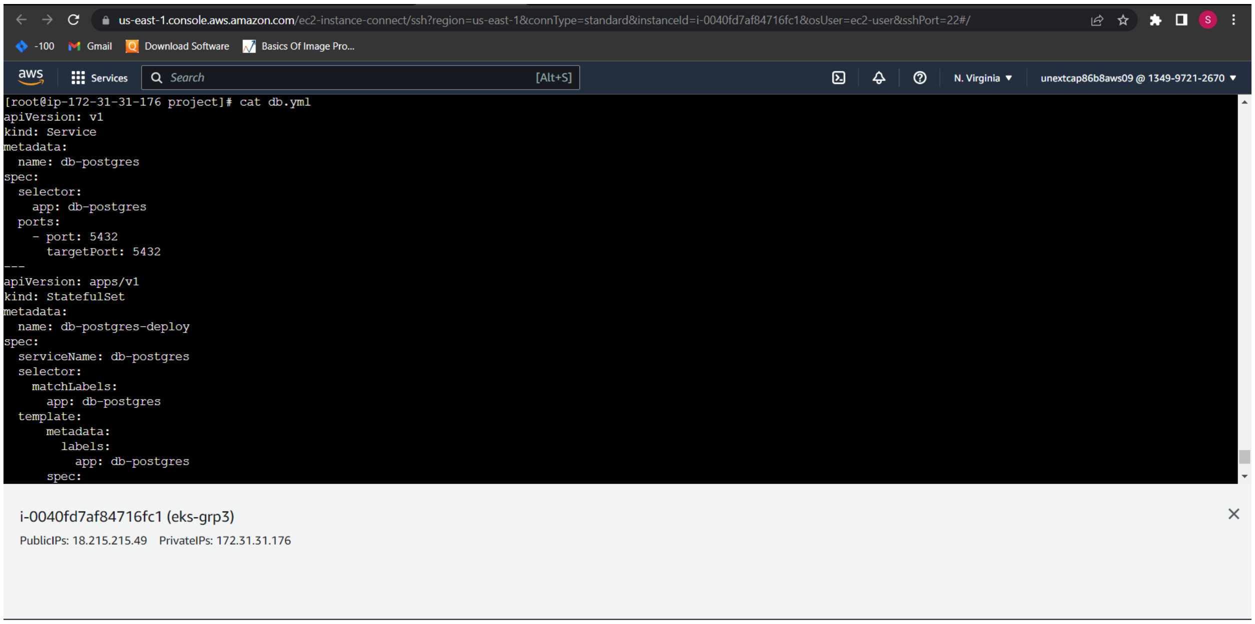
```
          image: siddhi7066/laptopdelivery:latest
          ports:
            - containerPort: 8081
          env:
            - name: SPRING_DATASOURCE_URL
              value: jdbc:postgresql://db-postgres:5432/compose-postgres
            - name: SPRING_DATASOURCE_USERNAME
              value: compose-postgres
            - name: SPRING_DATASOURCE_PASSWORD
              value: compose-postgres
            - name: SPRING_JPA_HIBERNATE_DDL_AUTO
              value: create
[root@ip-172-31-31-176 project]# vi serv.yml
[root@ip-172-31-31-176 project]# cat serv.yml
apiVersion: v1
kind: Service
metadata:
  name: svc-app
spec:
  selector:
    app: spring-app-red
  ports:
    - port: 80
      targetPort: 8081
  type: LoadBalancer
[root@ip-172-31-31-176 project]# 
```

i-0040fd7af84716fc1 (eks-grp3)

PublicIPs: 18.215.215.49   PrivateIPs: 172.31.31.176


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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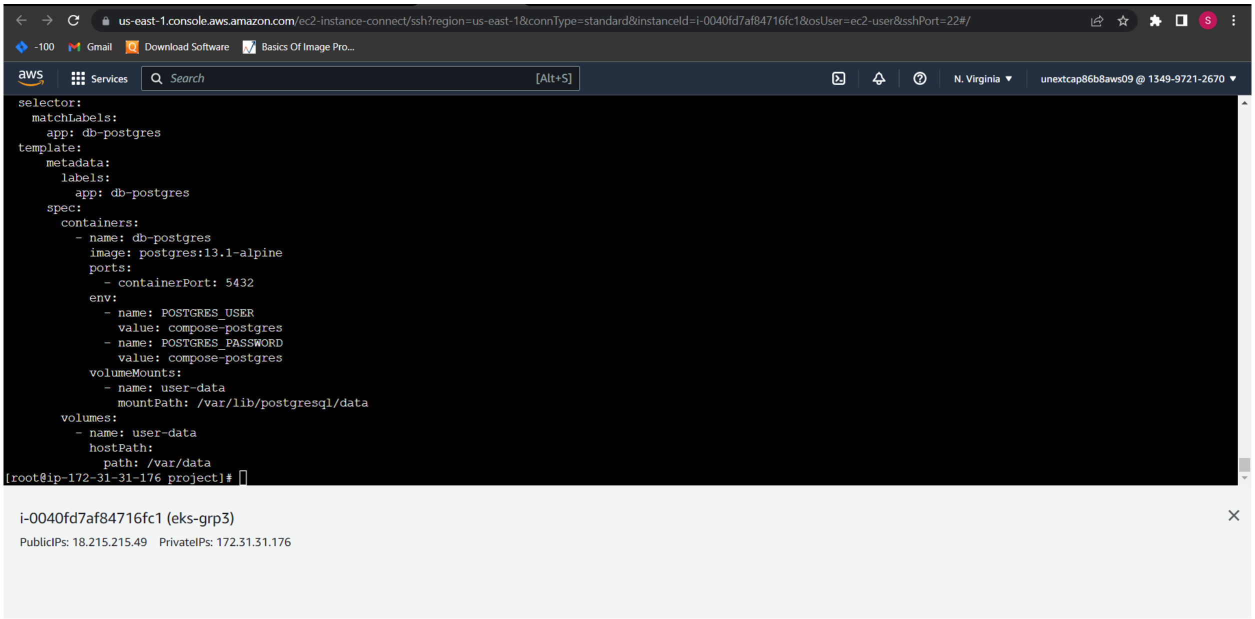
```
[root@ip-172-31-31-176 project]# cat db.yml
apiVersion: v1
kind: Service
metadata:
  name: db-postgres
spec:
  selector:
    app: db-postgres
  ports:
    - port: 5432
      targetPort: 5432
---
apiVersion: apps/v1
kind: StatefulSet
metadata:
  name: db-postgres-deploy
spec:
  serviceName: db-postgres
  selector:
    matchLabels:
      app: db-postgres
  template:
      metadata:
        labels:
          app: db-postgres
      spec:
```

i-0040fd7af84716fc1 (eks-grp3)

PublicIPs: 18.215.215.49 PrivateIPs: 172.31.31.176


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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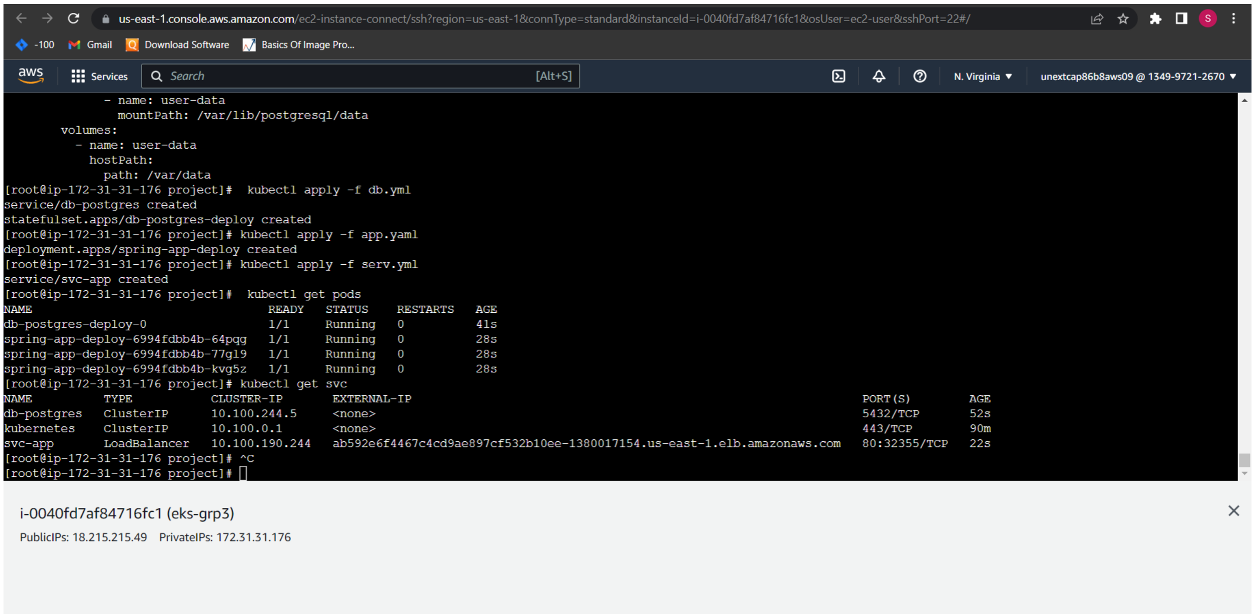
```
  selector:
    matchLabels:
      app: db-postgres
  template:
      metadata:
        labels:
          app: db-postgres
      spec:
        containers:
          - name: db-postgres
            image: postgres:13.1-alpine
            ports:
              - containerPort: 5432
            env:
              - name: POSTGRES_USER
                value: compose-postgres
              - name: POSTGRES_PASSWORD
                value: compose-postgres
            volumeMounts:
              - name: user-data
                mountPath: /var/lib/postgresql/data
        volumes:
          - name: user-data
            hostPath:
              path: /var/data
[root@ip-172-31-31-176 project]# 
```

i-0040fd7af84716fc1 (eks-grp3)

PublicIPs: 18.215.215.49 PrivateIPs: 172.31.31.176


us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0040fd7af84716fc1&osUser=ec2-user&sshPort=22#/
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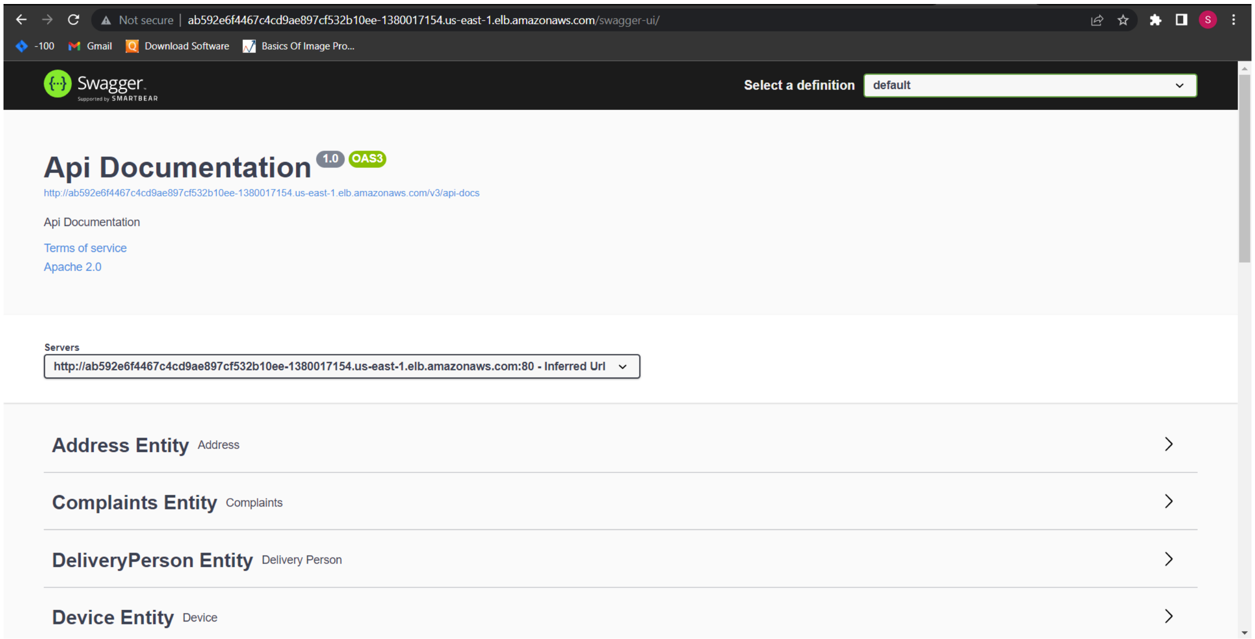
```
          - name: user-data
            mountPath: /var/lib/postgresql/data
        volumes:
          - name: user-data
            hostPath:
              path: /var/data
[root@ip-172-31-31-176 project]#  kubectl apply -f db.yml
service/db-postgres created
statefulset.apps/db-postgres-deploy created
[root@ip-172-31-31-176 project]# kubectl apply -f app.yaml
deployment.apps/spring-app-deploy created
[root@ip-172-31-31-176 project]# kubectl apply -f serv.yml
service/svc-app created
[root@ip-172-31-31-176 project]#  kubectl get pods
NAME                                 READY   STATUS    RESTARTS   AGE
db-postgres-deploy-0                 1/1     Running   0          41s
spring-app-deploy-6994fdbb4b-64pqg   1/1     Running   0          28s
spring-app-deploy-6994fdbb4b-77gl9   1/1     Running   0          28s
spring-app-deploy-6994fdbb4b-kvg5z   1/1     Running   0          28s
[root@ip-172-31-31-176 project]# kubectl get svc
NAME          TYPE           CLUSTER-IP       EXTERNAL-IP                                                               PORT(S)        AGE
db-postgres   ClusterIP      10.100.244.5     <none>                                                                    5432/TCP       52s
kubernetes    ClusterIP      10.100.0.1       <none>                                                                    443/TCP        90m
svc-app       LoadBalancer   10.100.190.244   ab592e6f4467c4cd9ae897cf532b10ee-1380017154.us-east-1.elb.amazonaws.com   80:32355/TCP   22s
[root@ip-172-31-31-176 project]# ^C
[root@ip-172-31-31-176 project]# 
```

i-0040fd7af84716fc1 (eks-grp3)

PublicIPs: 18.215.215.49 PrivateIPs: 172.31.31.176

http://ab592e6f4467c4cd9ae897cf532b10ee-1380017154.us-east-1.elb.amazonaws.com/swagger-ui/



Api Documentation

http://ab592e6f4467c4cd9ae897cf532b10ee-1380017154.us-east-1.elb.amazonaws.com/v3/api-docs

Api Documentation

http://ab592e6f4467c4cd9ae897cf532b10ee-1380017154.us-east-1.elb.amazonaws.com:80 - Inferred Url

Address Entity Address

Complaints Entity Complaints

DeliveryPerson Entity Delivery Person

Device Entity Device