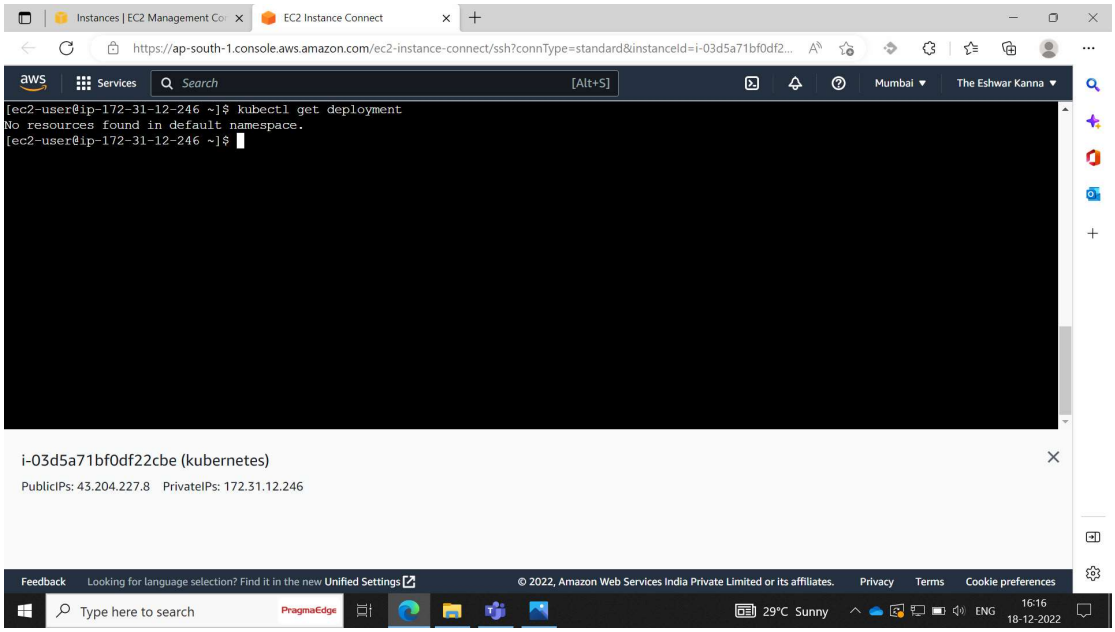
Instances | EC2 Management Co
EC2 Instance Connect
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-03d5a71bf0df2...
Services
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Mumbai
The Eshwar Kanna
[ec2-user@ip-172-31-12-246 ~]$ kubectl get deployment
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$
i-03d5a71bf0df22cbe (kubernetes)
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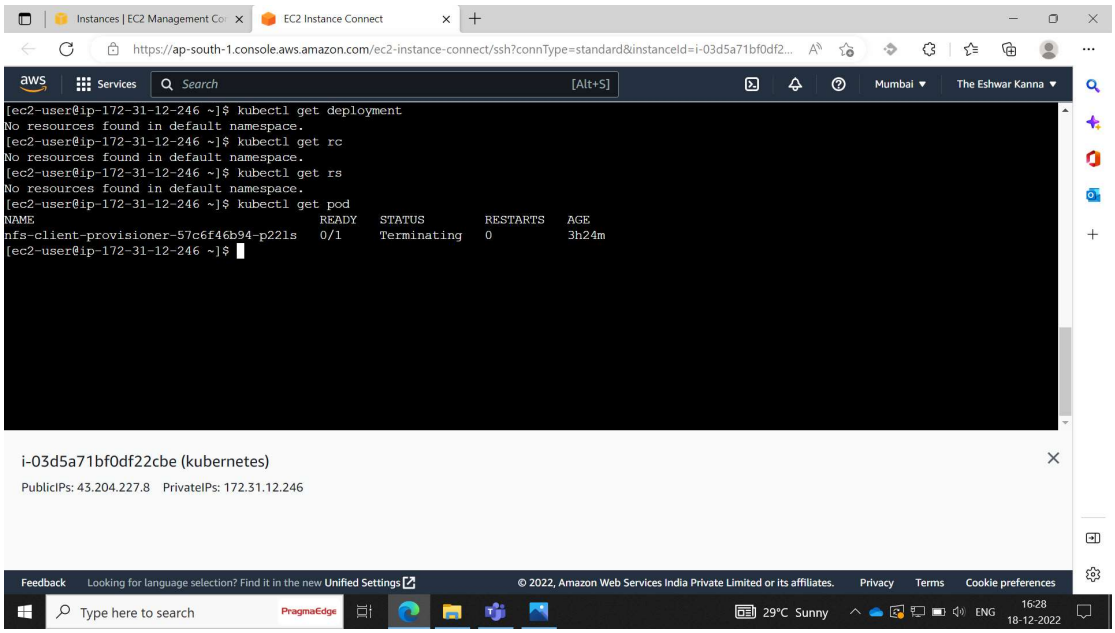
Instances | EC2 Management Co
EC2 Instance Connect
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-03d5a71bf0df2...
Services
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[ec2-user@ip-172-31-12-246 ~]$ kubectl get deployment
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$ kubectl get rc
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$ kubectl get rs
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pod
NAME READY STATUS RESTARTS AGE
nfs-client-provisioner-57c6f46b94-p221s 0/1 Terminating 0 3h24m
[ec2-user@ip-172-31-12-246 ~]$
i-03d5a71bf0df22cbe (kubernetes)
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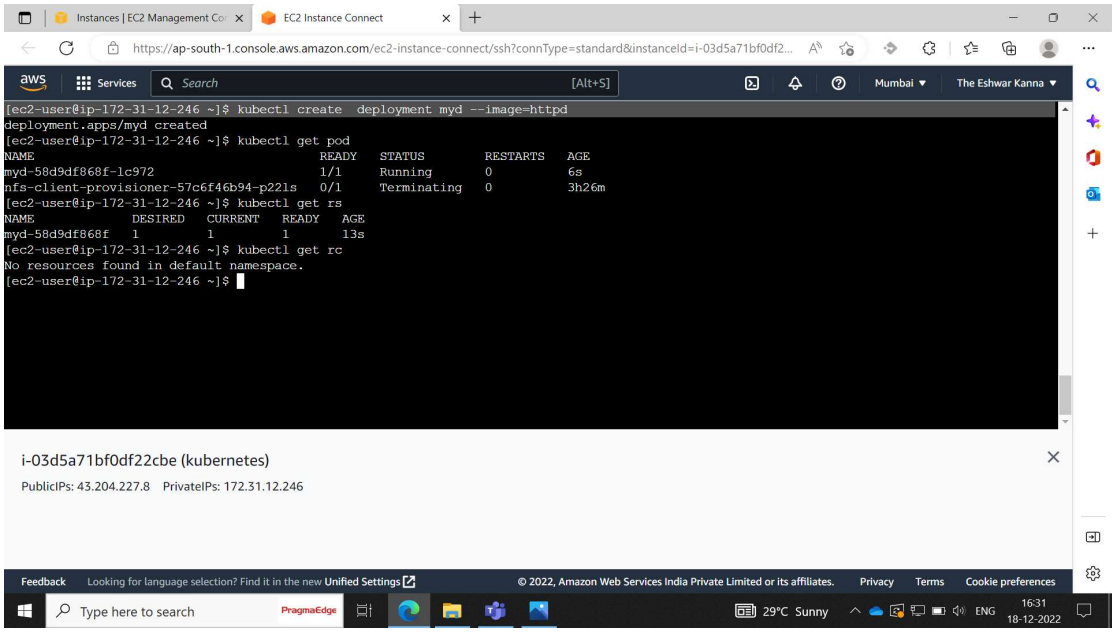
Instances | EC2 Management Co
EC2 Instance Connect
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-03d5a71bf0df2...
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[ec2-user@ip-172-31-12-246 ~]$ kubectl create deployment myd --image=httpd
deployment.apps/myd created
[ec2-user@ip-172-31-12-246 ~]$ kubectl get pod
NAME READY STATUS RESTARTS AGE
myd-58d9df868f-lc972 1/1 Running 0 6s
nfs-client-provisioner-57c6f46b94-p221s 0/1 Terminating 0 3h26m
[ec2-user@ip-172-31-12-246 ~]$ kubectl get rs
NAME DESIRED CURRENT READY AGE
myd-58d9df868f 1 1 1 13s
[ec2-user@ip-172-31-12-246 ~]$ kubectl get rc
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$
i-03d5a71bf0df22cbe (kubernetes)
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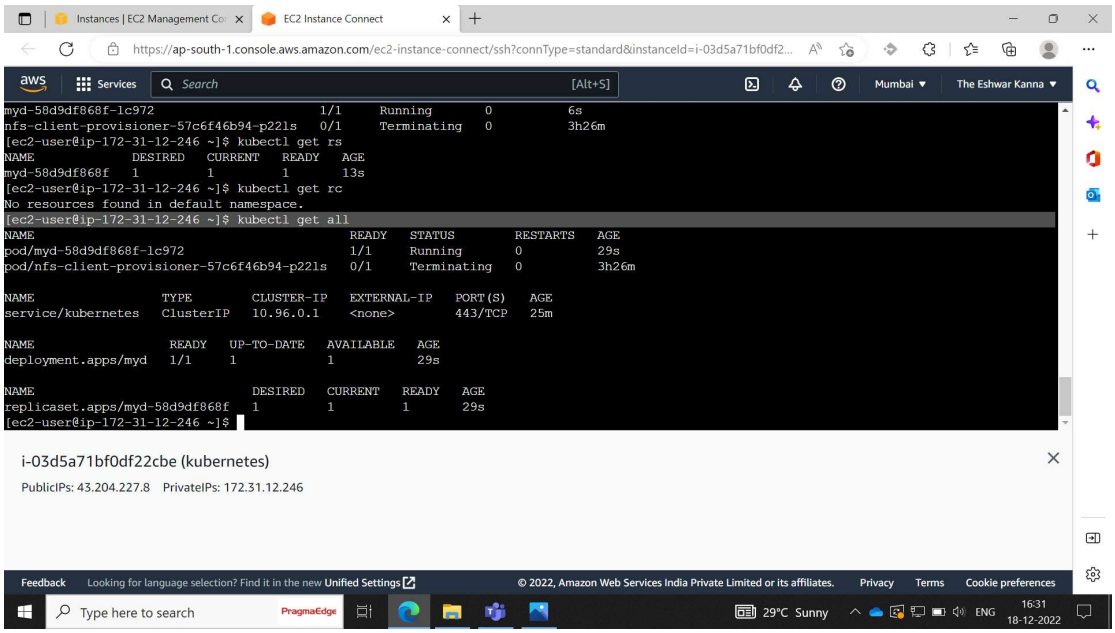
Instances | EC2 Management Co
EC2 Instance Connect
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-03d5a71bf0df2...
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myd-58d9df868f-lc972 1/1 Running 0 6s
nfs-client-provisioner-57c6f46b94-p221s 0/1 Terminating 0 3h26m
[ec2-user@ip-172-31-12-246 ~]$ kubectl get rs
NAME DESIRED CURRENT READY AGE
myd-58d9df868f 1 1 1 13s
[ec2-user@ip-172-31-12-246 ~]$ kubectl get rc
No resources found in default namespace.
[ec2-user@ip-172-31-12-246 ~]$ kubectl get all
NAME READY STATUS RESTARTS AGE
pod/myd-58d9df868f-lc972 1/1 Running 0 29s
pod/nfs-client-provisioner-57c6f46b94-p221s 0/1 Terminating 0 3h26m
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
service/kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 25m
NAME READY UP-TO-DATE AVAILABLE AGE
deployment.apps/myd 1/1 1 1 29s
NAME DESIRED CURRENT READY AGE
replicaset.apps/myd-58d9df868f 1 1 1 29s
[ec2-user@ip-172-31-12-246 ~]$
i-03d5a71bf0df22cbe (kubernetes)
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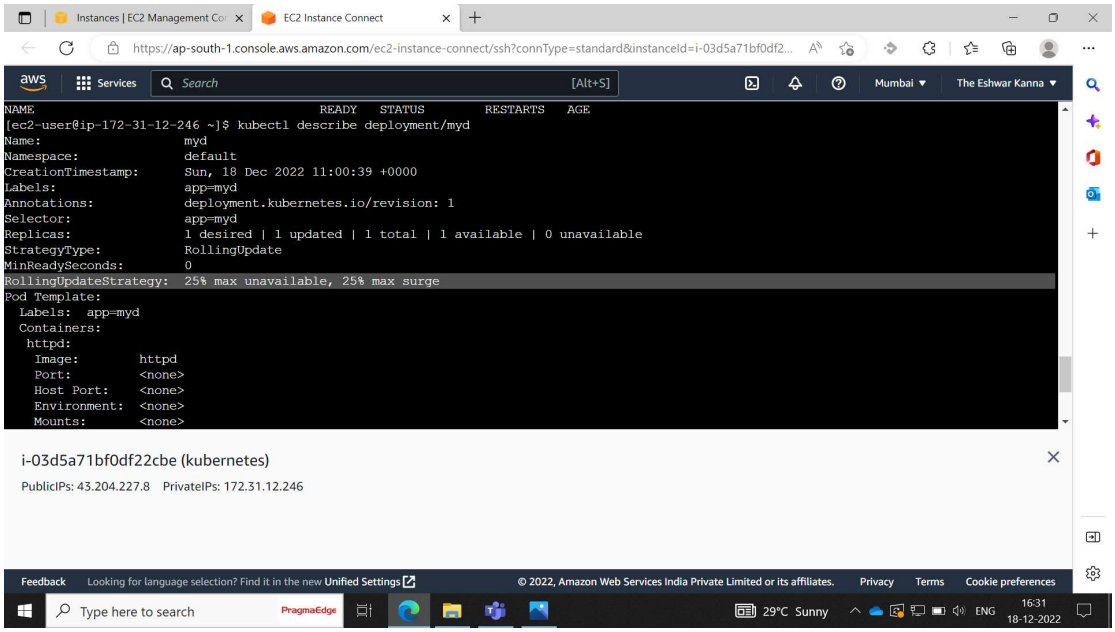
Instances | EC2 Management Co
EC2 Instance Connect
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-03d5a71bf0df2...
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NAME READY STATUS RESTARTS AGE
[ec2-user@ip-172-31-12-246 ~]$ kubectl describe deployment/myd
Name: myd
Namespace: default
CreationTimestamp: Sun, 18 Dec 2022 11:00:39 +0000
Labels: app=myd
Annotations: deployment.kubernetes.io/revision: 1
Selector: app=myd
Replicas: 1 desired | 1 updated | 1 total | 1 available | 0 unavailable
StrategyType: RollingUpdate
MinReadySeconds: 0
RollingUpdateStrategy: 25% max unavailable, 25% max surge
Pod Template:
Labels: app=myd
Containers:
httpd:
Image: httpd
Port: <none>
Host Port: <none>
Environment: <none>
Mounts: <none>
i-03d5a71bf0df22cbe (kubernetes)
PublicIPs: 43.204.227.8 PrivateIPs: 172.31.12.246
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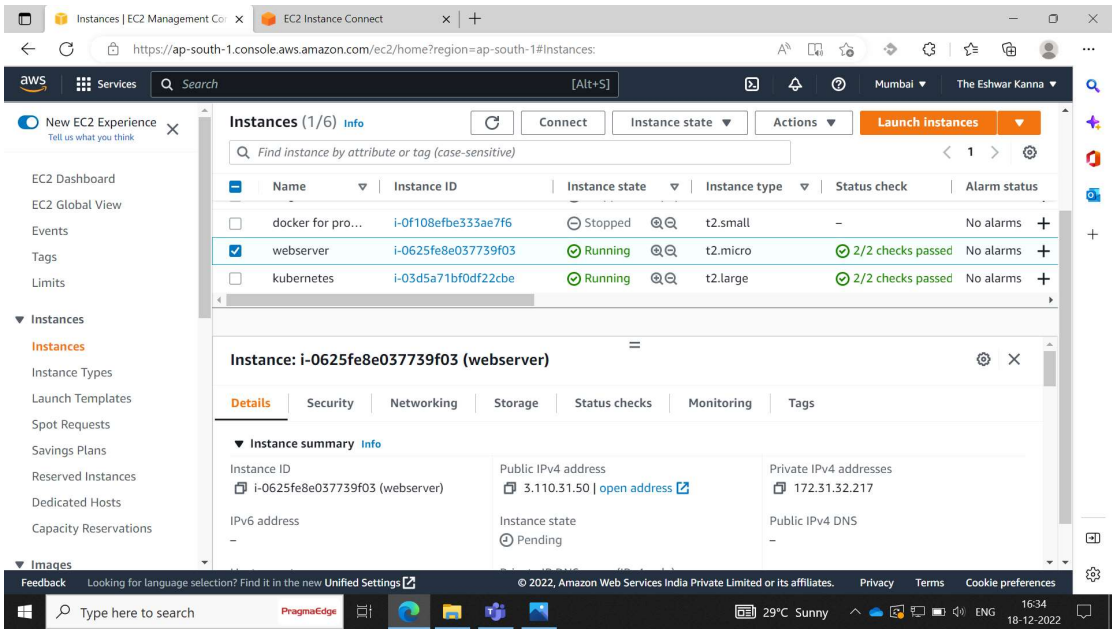
Instances | EC2 Management Co
EC2 Instance Connect
https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:
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EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
Instances (1/6) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
docker for pro...
i-0f108efbe333ae7f6
Stopped
t2.small
No alarms
webserver
i-0625fe8e037739f03
Running
t2.micro
2/2 checks passed
No alarms
kubernetes
i-03d5a71bf0df22cbe
Running
t2.large
2/2 checks passed
No alarms
Instance: i-0625fe8e037739f03 (webserver)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-0625fe8e037739f03 (webserver)
Public IPv4 address
3.110.31.50 | open address
Private IPv4 addresses
172.31.32.217
IPv6 address
Instance state
Pending
Public IPv4 DNS
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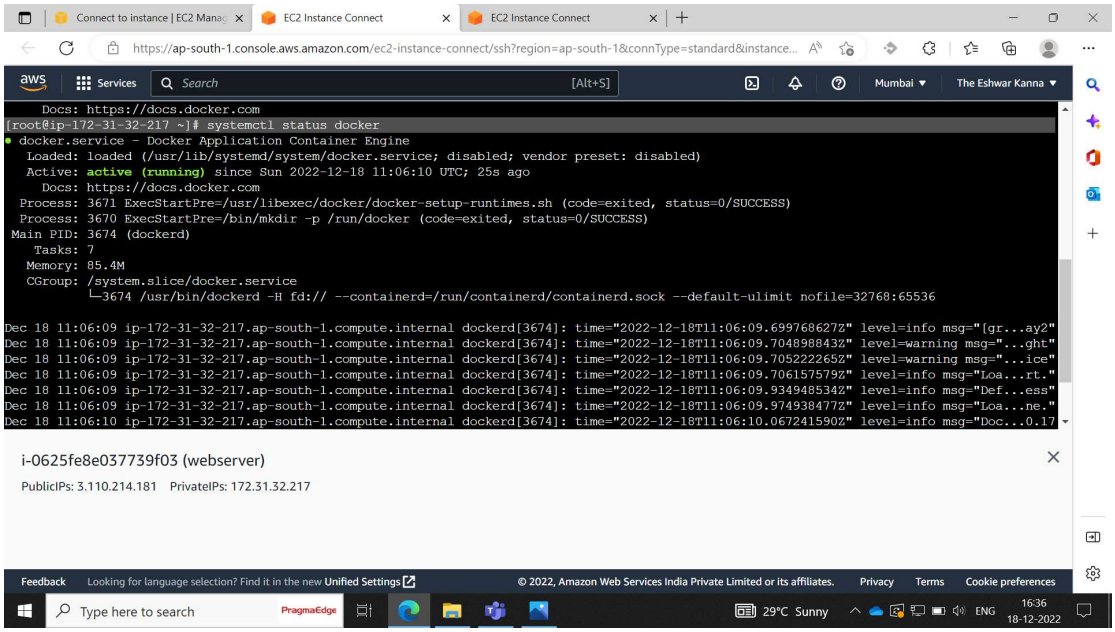
Connect to instance | EC2 Manag
EC2 Instance Connect
EC2 Instance Connect
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instance...
aws
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Docs: https://docs.docker.com
[root@ip-172-31-32-217 ~]# systemctl status docker
docker.service - Docker Application Container Engine
Loaded: loaded (/usr/lib/systemd/system/docker.service; disabled; vendor preset: disabled)
Active: active (running) since Sun 2022-12-18 11:06:10 UTC; 25s ago
Docs: https://docs.docker.com
Process: 3671 ExecStartPre=/usr/libexec/docker/docker-setup-runtimes.sh (code=exited, status=0/SUCCESS)
Process: 3670 ExecStartPre=/bin/mkdir -p /run/docker (code=exited, status=0/SUCCESS)
Main PID: 3674 (dockerd)
Tasks: 7
Memory: 85.4M
CGroup: /system.slice/docker.service
└─3674 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock --default-ulimit nofile=32768:65536
Dec 18 11:06:09 ip-172-31-32-217.ap-south-1.compute.internal dockerd[3674]: time="2022-12-18T11:06:09.699768627Z" level=info msg="[gr...ay2"
Dec 18 11:06:09 ip-172-31-32-217.ap-south-1.compute.internal dockerd[3674]: time="2022-12-18T11:06:09.704898843Z" level=warning msg="...ght"
Dec 18 11:06:09 ip-172-31-32-217.ap-south-1.compute.internal dockerd[3674]: time="2022-12-18T11:06:09.705222265Z" level=warning msg="...ice"
Dec 18 11:06:09 ip-172-31-32-217.ap-south-1.compute.internal dockerd[3674]: time="2022-12-18T11:06:09.706157579Z" level=info msg="Loa...rt."
Dec 18 11:06:09 ip-172-31-32-217.ap-south-1.compute.internal dockerd[3674]: time="2022-12-18T11:06:09.934948534Z" level=info msg="Def...ess"
Dec 18 11:06:09 ip-172-31-32-217.ap-south-1.compute.internal dockerd[3674]: time="2022-12-18T11:06:09.974938477Z" level=info msg="Loa...ne."
Dec 18 11:06:10 ip-172-31-32-217.ap-south-1.compute.internal dockerd[3674]: time="2022-12-18T11:06:10.067241590Z" level=info msg="Doc...0.17
i-0625fe8e037739f03 (webserver)
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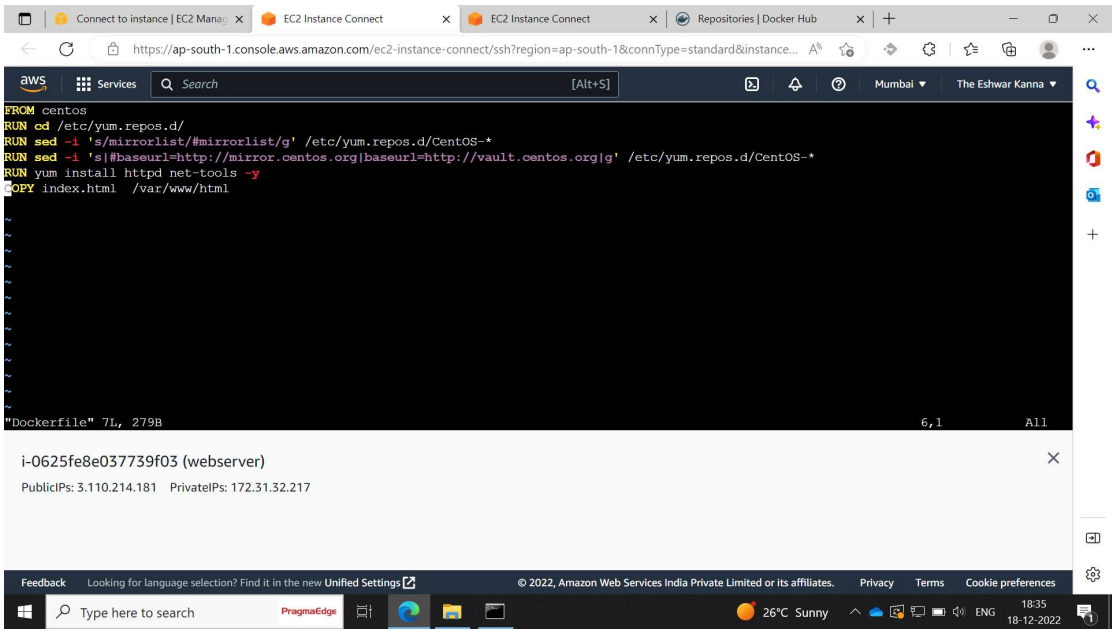
Connect to instance | EC2 Manag
EC2 Instance Connect
EC2 Instance Connect
Repositories | Docker Hub
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instance...
aws
Services
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FROM centos
RUN cd /etc/yum.repos.d/
RUN sed -i 's/mirrorlist/#mirrorlist/g' /etc/yum.repos.d/CentOS-*
RUN sed -i 's|#baseurl=http://mirror.centos.org|baseurl=http://vault.centos.org|g' /etc/yum.repos.d/CentOS-*
RUN yum install httpd net-tools -y
COPY index.html /var/www/html
"Dockerfile" 7L, 279B
6,1
All
i-0625fe8e037739f03 (webserver)
PublicIPs: 3.110.214.181 PrivateIPs: 172.31.32.217
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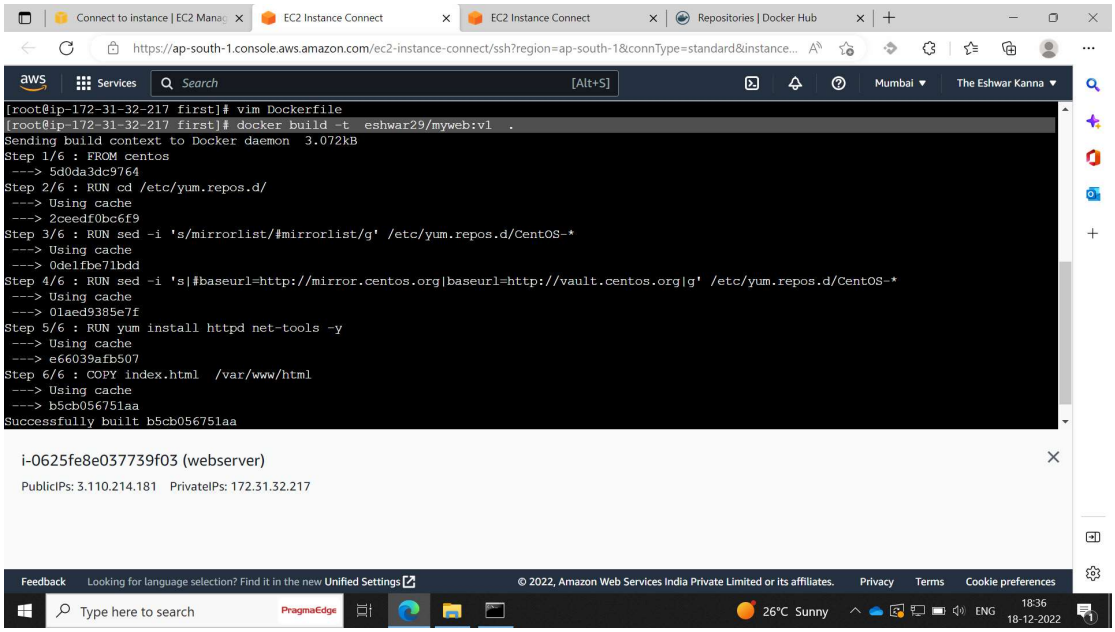
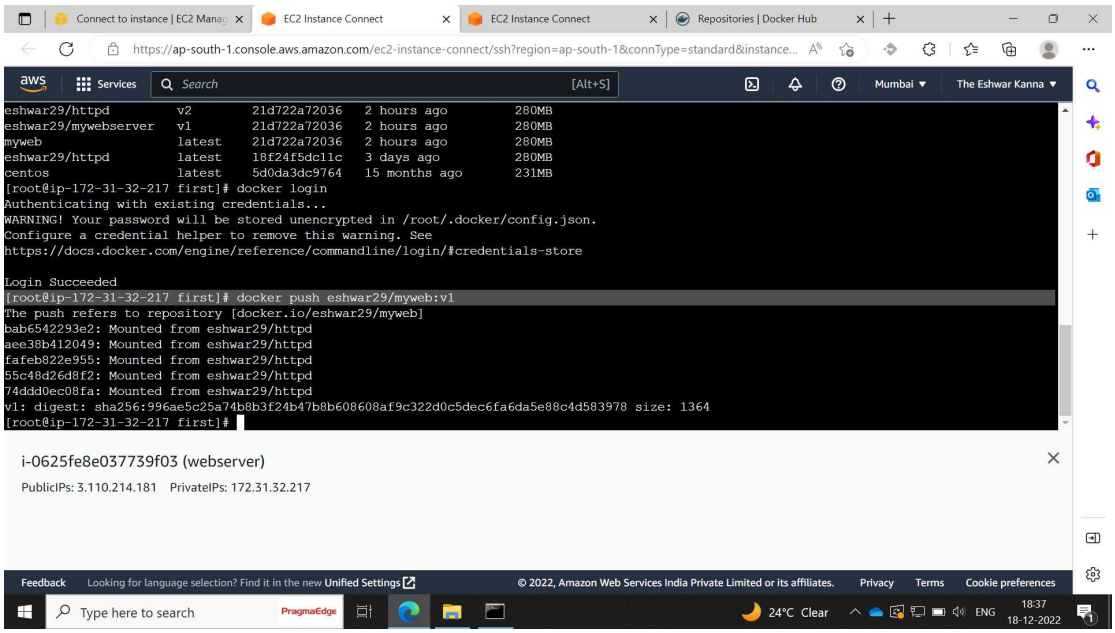
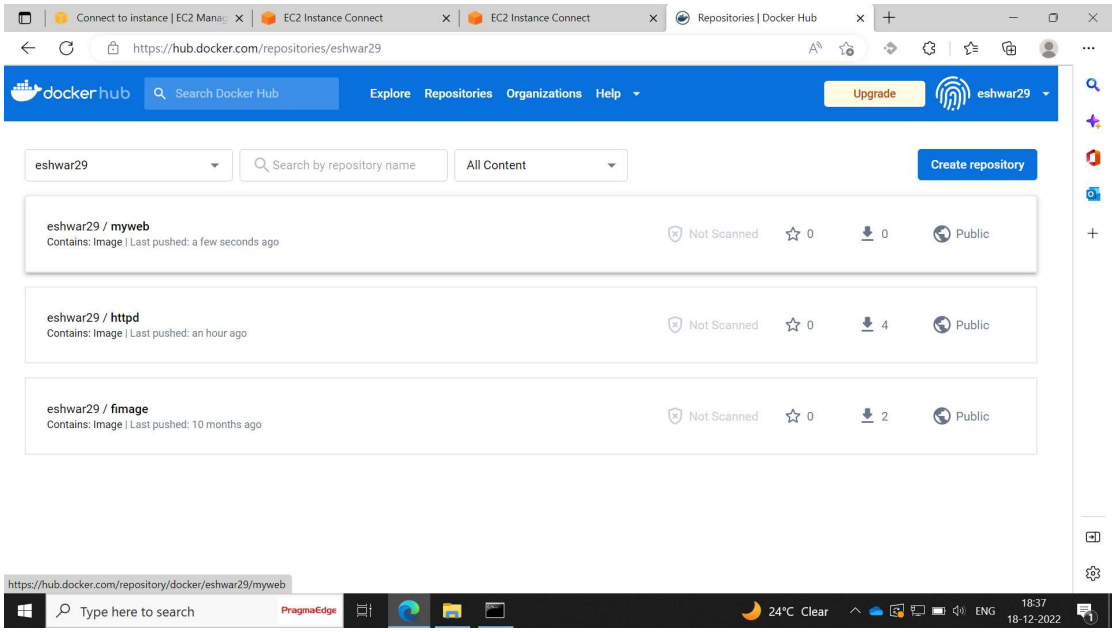

[root@ip-172-31-32-217 first]# vim Dockerfile
[root@ip-172-31-32-217 first]# docker build -t eshwar29/myweb:v1 .
Sending build context to Docker daemon 3.072kB
Step 1/6 : FROM centos
 ---> 5d0da3dc9764
Step 2/6 : RUN cd /etc/yum.repos.d/
 ---> Using cache
 ---> 2ceedf0bc6f9
Step 3/6 : RUN sed -i 's/mirrorlist/#mirrorlist/g' /etc/yum.repos.d/CentOS-*
 ---> Using cache
 ---> 0de1fbe71bdd
Step 4/6 : RUN sed -i 's|#baseurl=http://mirror.centos.org|baseurl=http://vault.centos.org|g' /etc/yum.repos.d/CentOS-*
 ---> Using cache
 ---> 01aed9385e7f
Step 5/6 : RUN yum install httpd net-tools -y
 ---> Using cache
 ---> e66039afb507
Step 6/6 : COPY index.html /var/www/html
 ---> Using cache
 ---> b5cb056751aa
Successfully built b5cb056751aa
i-0625fe8e037739f03 (webserver)
PublicIPs: 3.110.214.181 PrivateIPs: 172.31.32.217


eshwar29/httpd   v2   21d722a72036   2 hours ago   280MB
eshwar29/mywebserver   v1   21d722a72036   2 hours ago   280MB
myweb   latest   21d722a72036   2 hours ago   280MB
eshwar29/httpd   latest   18f24f5dc11c   3 days ago   280MB
centos   latest   5d0da3dc9764   15 months ago   231MB
[root@ip-172-31-32-217 first]# docker login
Authenticating with existing credentials...
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-172-31-32-217 first]# docker push eshwar29/myweb:v1
The push refers to repository [docker.io/eshwar29/myweb]
bab6542293e2: Mounted from eshwar29/httpd
aee38b412049: Mounted from eshwar29/httpd
fafeb822e955: Mounted from eshwar29/httpd
55c48d26d8f2: Mounted from eshwar29/httpd
74ddd0ec08fa: Mounted from eshwar29/httpd
v1: digest: sha256:996ae5c25a74b8b3f24b47b8b608608af9c322d0c5dec6fa6da5e88c4d583978 size: 1364
[root@ip-172-31-32-217 first]#
i-0625fe8e037739f03 (webserver)
PublicIPs: 3.110.214.181 PrivateIPs: 172.31.32.217


Connect to instance | EC2 Manag
EC2 Instance Connect
EC2 Instance Connect
Repositories | Docker Hub
https://hub.docker.com/repositories/eshwar29
docker hub
Search Docker Hub
Explore
Repositories
Organizations
Help
Upgrade
eshwar29
eshwar29
Search by repository name
All Content
Create repository
eshwar29 / myweb
Contains: Image | Last pushed: a few seconds ago
Not Scanned
0
0
Public
eshwar29 / httpd
Contains: Image | Last pushed: an hour ago
Not Scanned
0
4
Public
eshwar29 / fimage
Contains: Image | Last pushed: 10 months ago
Not Scanned
0
2
Public
https://hub.docker.com/repository/docker/eshwar29/myweb
Type here to search
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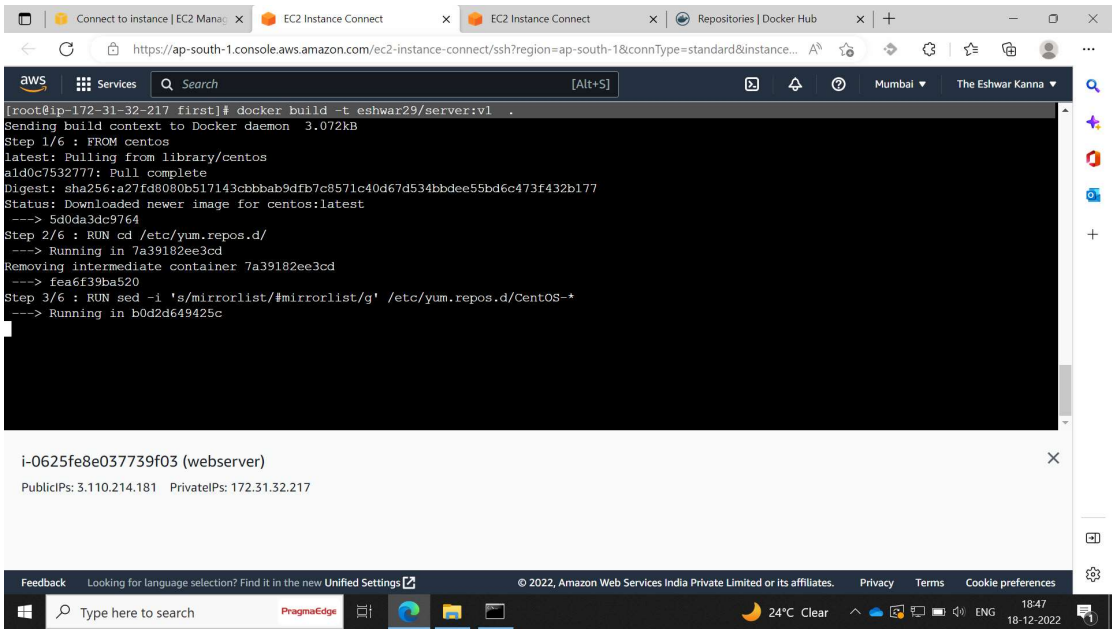
Connect to instance | EC2 Manag
EC2 Instance Connect
EC2 Instance Connect
Repositories | Docker Hub
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instance...
aws
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[root@ip-172-31-32-217 first]# docker build -t eshwar29/server:v1 .
Sending build context to Docker daemon 3.072kB
Step 1/6 : FROM centos
latest: Pulling from library/centos
a1d0c7532777: Pull complete
Digest: sha256:a27fd8080b517143cbbbab9dfb7c8571c40d67d534bbdee55bd6c473f432b177
Status: Downloaded newer image for centos:latest
---> 5d0da3dc9764
Step 2/6 : RUN cd /etc/yum.repos.d/
---> Running in 7a39182ee3cd
Removing intermediate container 7a39182ee3cd
---> fea6f39ba520
Step 3/6 : RUN sed -i 's/mirrorlist/#mirrorlist/g' /etc/yum.repos.d/CentOS-*
---> Running in b0d2d649425c
i-0625fe8e037739f03 (webserver)
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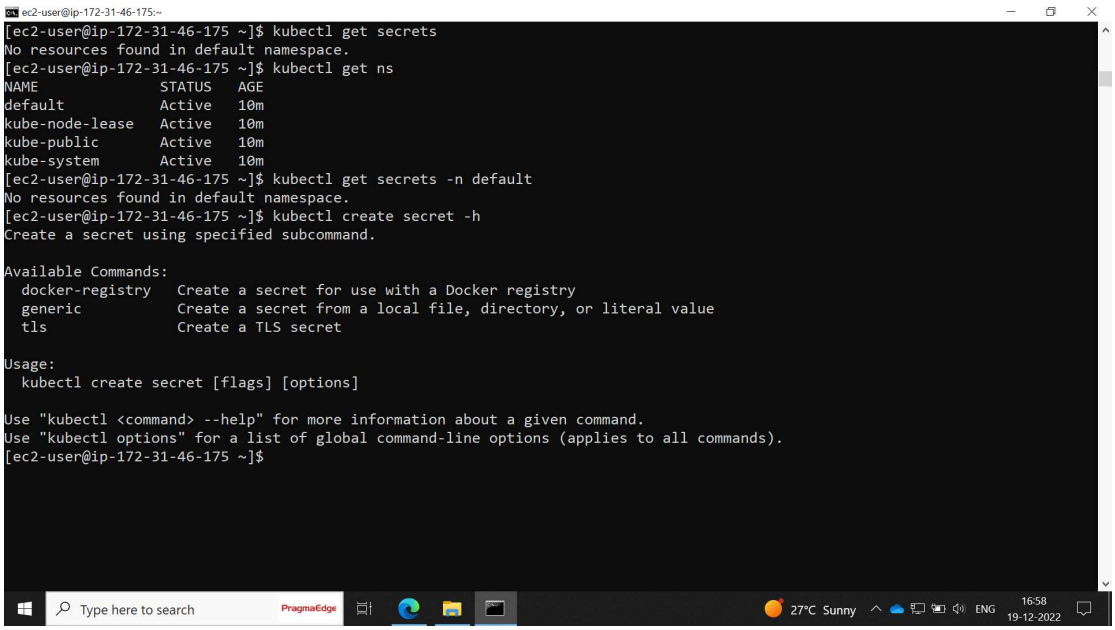
ec2-user@ip-172-31-46-175:~
[ec2-user@ip-172-31-46-175 ~]$ kubectl get secrets
No resources found in default namespace.
[ec2-user@ip-172-31-46-175 ~]$ kubectl get ns
NAME   STATUS   AGE
default   Active   10m
kube-node-lease   Active   10m
kube-public   Active   10m
kube-system   Active   10m
[ec2-user@ip-172-31-46-175 ~]$ kubectl get secrets -n default
No resources found in default namespace.
[ec2-user@ip-172-31-46-175 ~]$ kubectl create secret -h
Create a secret using specified subcommand.
Available Commands:
docker-registry Create a secret for use with a Docker registry
generic Create a secret from a local file, directory, or literal value
tls Create a TLS secret
Usage:
kubectl create secret [flags] [options]
Use "kubectl <command> --help" for more information about a given command.
Use "kubectl options" for a list of global command-line options (applies to all commands).
[ec2-user@ip-172-31-46-175 ~]$
Type here to search
PragmaEdge
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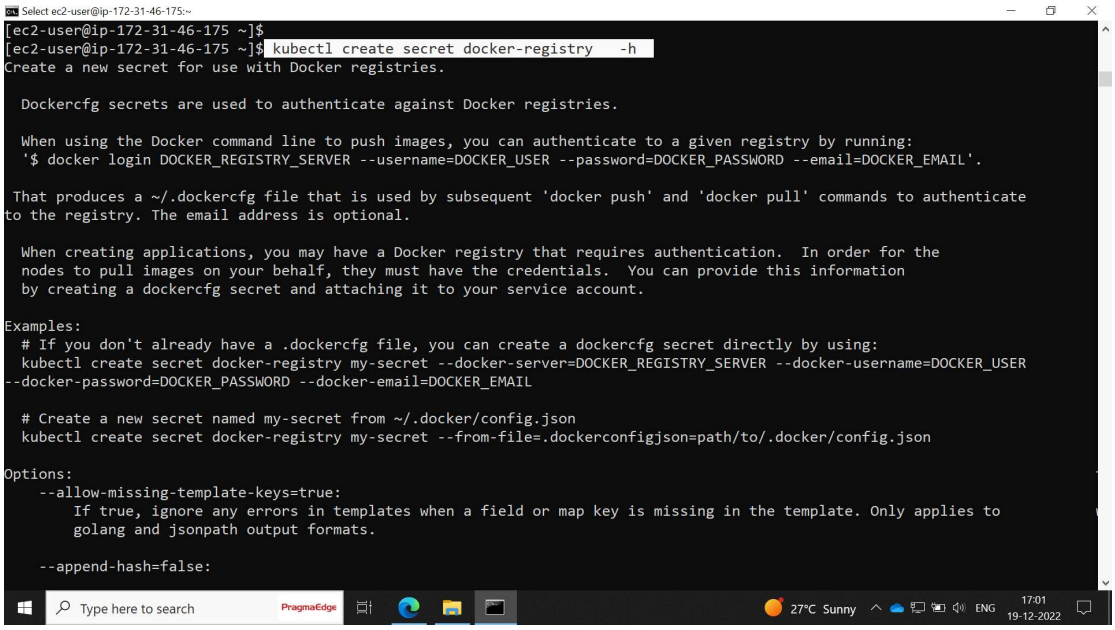
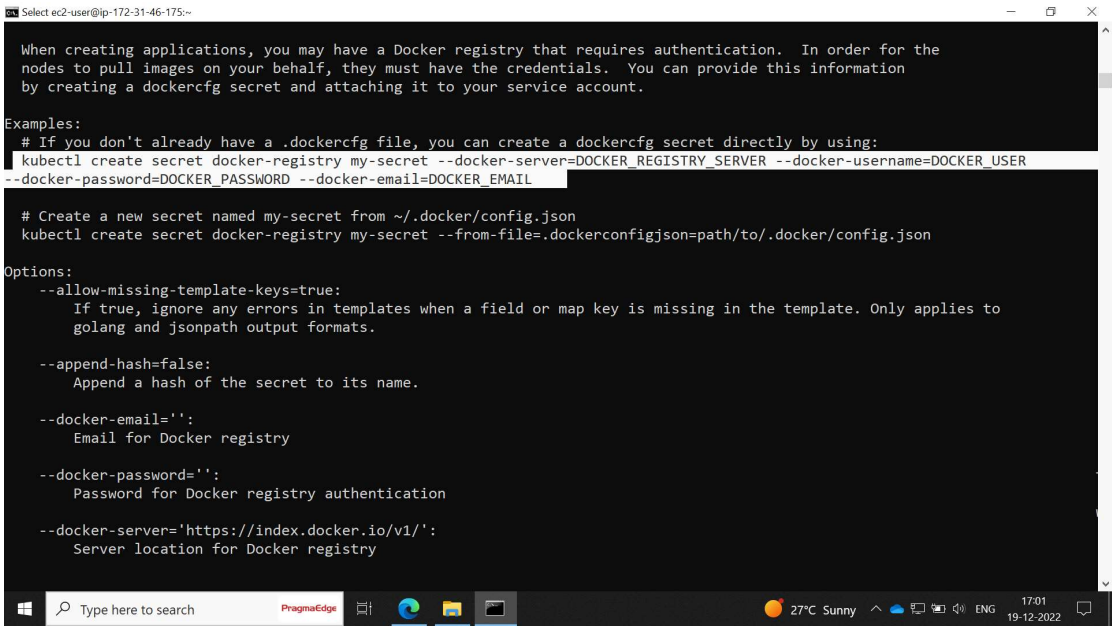
ENG
16:58
19-12-2022


Select ec2-user@ip-172-31-46-175:~
[ec2-user@ip-172-31-46-175 ~]$
[ec2-user@ip-172-31-46-175 ~]$ kubectl create secret docker-registry -h
Create a new secret for use with Docker registries.
Dockercfg secrets are used to authenticate against Docker registries.
When using the Docker command line to push images, you can authenticate to a given registry by running:
'$ docker login DOCKER_REGISTRY_SERVER --username=DOCKER_USER --password=DOCKER_PASSWORD --email=DOCKER_EMAIL'.
That produces a ~/.dockercfg file that is used by subsequent 'docker push' and 'docker pull' commands to authenticate to the registry. The email address is optional.
When creating applications, you may have a Docker registry that requires authentication. In order for the nodes to pull images on your behalf, they must have the credentials. You can provide this information by creating a dockercfg secret and attaching it to your service account.
Examples:
If you don't already have a .dockercfg file, you can create a dockercfg secret directly by using:
kubectl create secret docker-registry my-secret --docker-server=DOCKER_REGISTRY_SERVER --docker-username=DOCKER_USER --docker-password=DOCKER_PASSWORD --docker-email=DOCKER_EMAIL
Create a new secret named my-secret from ~/.docker/config.json
kubectl create secret docker-registry my-secret --from-file=.dockerconfigjson=path/to/.docker/config.json
Options:
--allow-missing-template-keys=true:
If true, ignore any errors in templates when a field or map key is missing in the template. Only applies to golang and jsonpath output formats.
--append-hash=false:
Type here to search
PragmaEdge
27°C Sunny
ENG
17:01
19-12-2022


Select ec2-user@ip-172-31-46-175:~
When creating applications, you may have a Docker registry that requires authentication. In order for the
nodes to pull images on your behalf, they must have the credentials. You can provide this information
by creating a dockercfg secret and attaching it to your service account.
Examples:
If you don't already have a .dockercfg file, you can create a dockercfg secret directly by using:
kubectl create secret docker-registry my-secret --docker-server=DOCKER_REGISTRY_SERVER --docker-username=DOCKER_USER
--docker-password=DOCKER_PASSWORD --docker-email=DOCKER_EMAIL
Create a new secret named my-secret from ~/.docker/config.json
kubectl create secret docker-registry my-secret --from-file=.dockerconfigjson=path/to/.docker/config.json
Options:
--allow-missing-template-keys=true:
If true, ignore any errors in templates when a field or map key is missing in the template. Only applies to
golang and jsonpath output formats.
--append-hash=false:
Append a hash of the secret to its name.
--docker-email='':
Email for Docker registry
--docker-password='':
Password for Docker registry authentication
--docker-server='https://index.docker.io/v1/':
Server location for Docker registry
Type here to search
PragmaEdge
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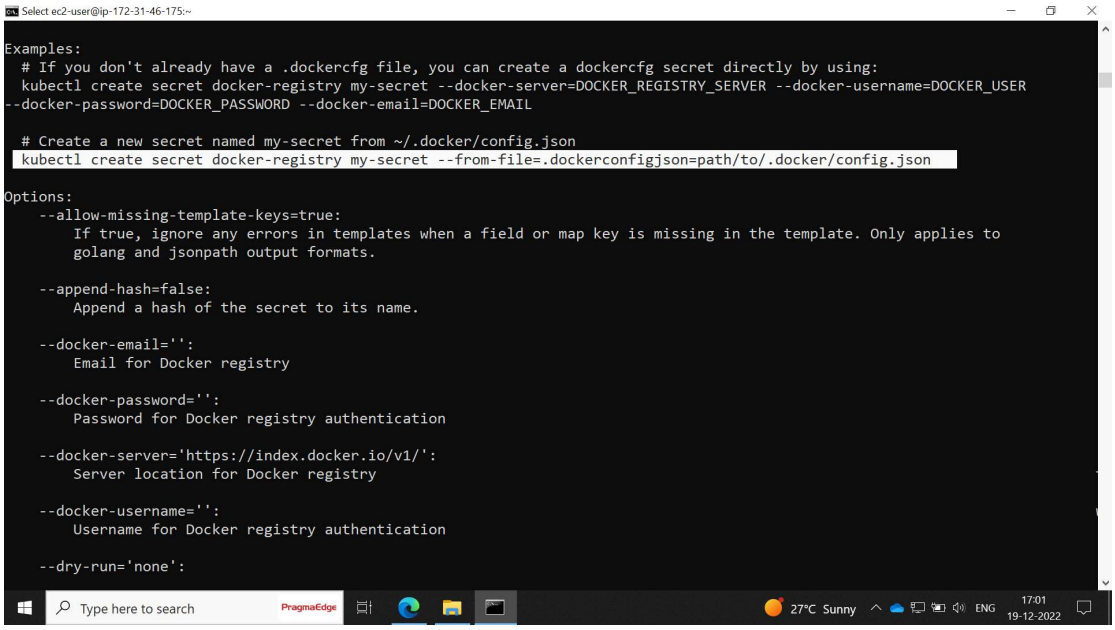
ENG
17:01
19-12-2022


Select ec2-user@ip-172-31-46-175:~
Examples:
If you don't already have a .dockercfg file, you can create a dockercfg secret directly by using:
kubectl create secret docker-registry my-secret --docker-server=DOCKER_REGISTRY_SERVER --docker-username=DOCKER_USER
--docker-password=DOCKER_PASSWORD --docker-email=DOCKER_EMAIL
Create a new secret named my-secret from ~/.docker/config.json
kubectl create secret docker-registry my-secret --from-file=.dockerconfigjson=path/to/.docker/config.json
Options:
--allow-missing-template-keys=true:
If true, ignore any errors in templates when a field or map key is missing in the template. Only applies to
golang and jsonpath output formats.
--append-hash=false:
Append a hash of the secret to its name.
--docker-email='':
Email for Docker registry
--docker-password='':
Password for Docker registry authentication
--docker-server='https://index.docker.io/v1/':
Server location for Docker registry
--docker-username='':
Username for Docker registry authentication
--dry-run='none':
Type here to search
PragmaEdge
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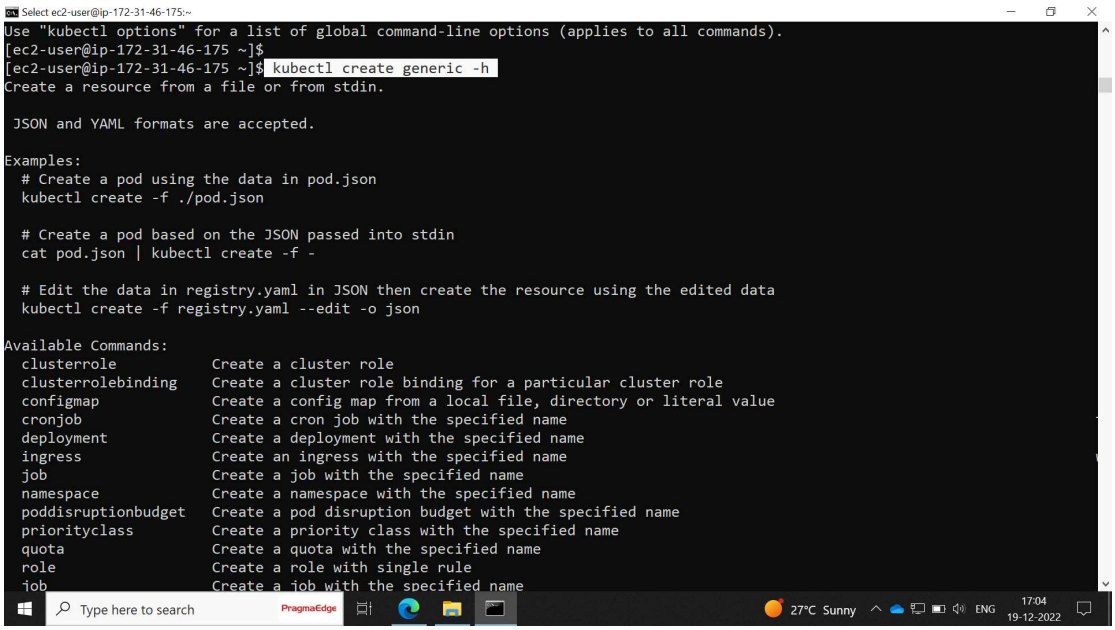
ENG
17:01
19-12-2022


Select ec2-user@ip-172-31-46-175:~
Use "kubectl options" for a list of global command-line options (applies to all commands).
[ec2-user@ip-172-31-46-175 ~]$
[ec2-user@ip-172-31-46-175 ~]$ kubectl create generic -h
Create a resource from a file or from stdin.
JSON and YAML formats are accepted.
Examples:
Create a pod using the data in pod.json
kubectl create -f ./pod.json
Create a pod based on the JSON passed into stdin
cat pod.json | kubectl create -f -
Edit the data in registry.yaml in JSON then create the resource using the edited data
kubectl create -f registry.yaml --edit -o json
Available Commands:
clusterrole Create a cluster role
clusterrolebinding Create a cluster role binding for a particular cluster role
configmap Create a config map from a local file, directory or literal value
cronjob Create a cron job with the specified name
deployment Create a deployment with the specified name
ingress Create an ingress with the specified name
job Create a job with the specified name
namespace Create a namespace with the specified name
poddisruptionbudget Create a pod disruption budget with the specified name
priorityclass Create a priority class with the specified name
quota Create a quota with the specified name
role Create a role with single rule
job Create a job with the specified name
Type here to search
PragmaEdge
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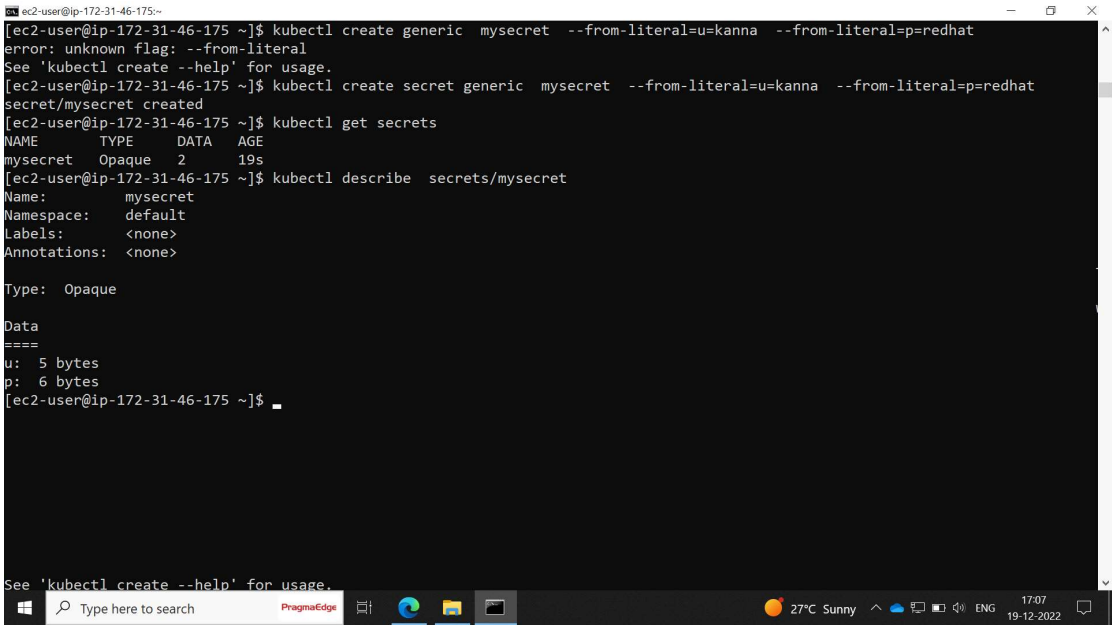
ENG
17:04
19-12-2022


ec2-user@ip-172-31-46-175:~
[ec2-user@ip-172-31-46-175 ~]$ kubectl create generic mysecret --from-literal=u=kanna --from-literal=p=redhat
error: unknown flag: --from-literal
See 'kubectl create --help' for usage.
[ec2-user@ip-172-31-46-175 ~]$ kubectl create secret generic mysecret --from-literal=u=kanna --from-literal=p=redhat
secret/mysecret created
[ec2-user@ip-172-31-46-175 ~]$ kubectl get secrets
NAME TYPE DATA AGE
mysecret Opaque 2 19s
[ec2-user@ip-172-31-46-175 ~]$ kubectl describe secrets/mysecret
Name: mysecret
Namespace: default
Labels: <none>
Annotations: <none>
Type: Opaque
Data
====
u: 5 bytes
p: 6 bytes
[ec2-user@ip-172-31-46-175 ~]$
See 'kubectl create --help' for usage.
Type here to search
PragmaEdge
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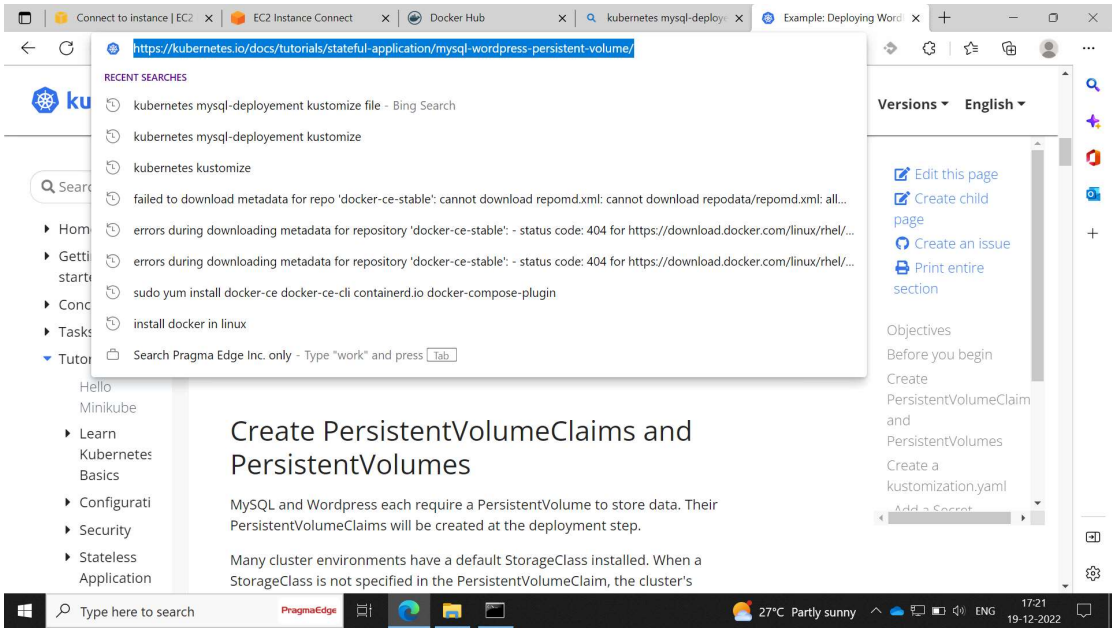
17:07
19-12-2022


https://kubernetes.io/docs/tutorials/stateful-application/mysql-wordpress-persistent-volume/
RECENT SEARCHES
kubernetes mysql-deployement kustomize file - Bing Search
kubernetes mysql-deployement kustomize
kubernetes kustomize
failed to download metadata for repo 'docker-ce-stable': cannot download repomd.xml: cannot download repodata/repomd.xml: all...
errors during downloading metadata for repository 'docker-ce-stable': - status code: 404 for https://download.docker.com/linux/rhel/...
errors during downloading metadata for repository 'docker-ce-stable': - status code: 404 for https://download.docker.com/linux/rhel/...
sudo yum install docker-ce docker-ce-cli containerd.io docker-compose-plugin
install docker in linux
Search Pragma Edge Inc. only - Type "work" and press Tab
Versions
English
Edit this page
Create child page
Create an issue
Print entire section
Objectives
Before you begin
Create PersistentVolumeClaim and PersistentVolumes
Create a kustomization.yaml
Create PersistentVolumeClaims and PersistentVolumes
MySQL and Wordpress each require a PersistentVolume to store data. Their PersistentVolumeClaims will be created at the deployment step.
Many cluster environments have a default StorageClass installed. When a StorageClass is not specified in the PersistentVolumeClaim, the cluster's
Hello Minikube
Learn Kubernetes Basics
Configurati
Security
Stateless Application
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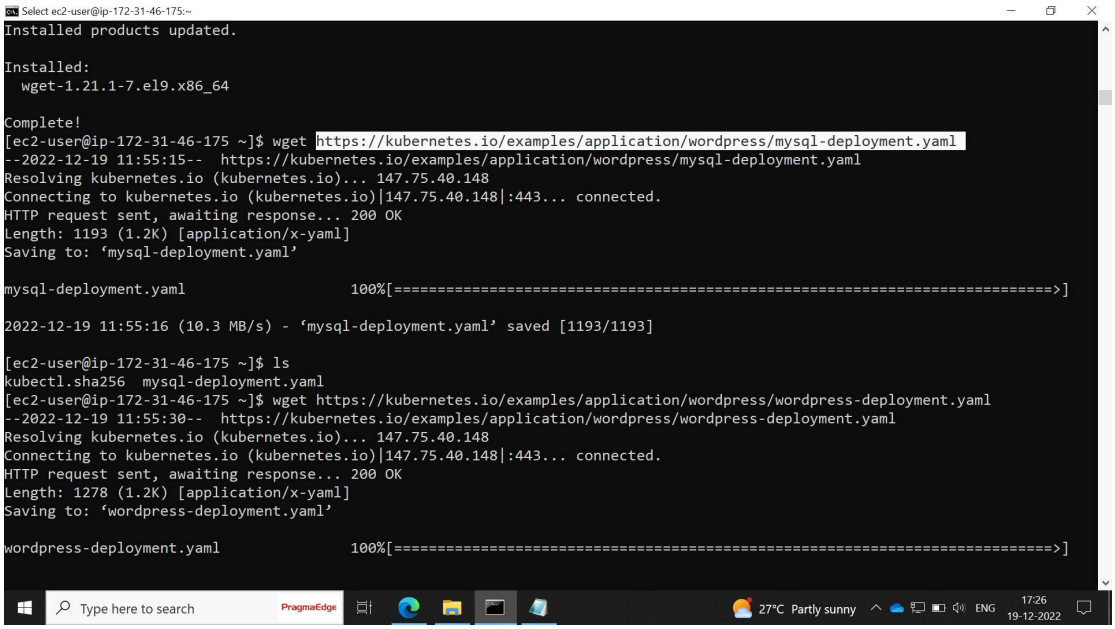
17:21
19-12-2022


Select ec2-user@ip-172-31-46-175:~
Installed products updated.
Installed:
wget-1.21.1-7.el9.x86_64
Complete!
[ec2-user@ip-172-31-46-175 ~]$ wget https://kubernetes.io/examples/application/wordpress/mysql-deployment.yaml
--2022-12-19 11:55:15-- https://kubernetes.io/examples/application/wordpress/mysql-deployment.yaml
Resolving kubernetes.io (kubernetes.io)... 147.75.40.148
Connecting to kubernetes.io (kubernetes.io)|147.75.40.148|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1193 (1.2K) [application/x-yaml]
Saving to: 'mysql-deployment.yaml'
mysql-deployment.yaml 100%[==========>]
2022-12-19 11:55:16 (10.3 MB/s) - 'mysql-deployment.yaml' saved [1193/1193]
[ec2-user@ip-172-31-46-175 ~]$ ls
kubectl.sha256 mysql-deployment.yaml
[ec2-user@ip-172-31-46-175 ~]$ wget https://kubernetes.io/examples/application/wordpress/wordpress-deployment.yaml
--2022-12-19 11:55:30-- https://kubernetes.io/examples/application/wordpress/wordpress-deployment.yaml
Resolving kubernetes.io (kubernetes.io)... 147.75.40.148
Connecting to kubernetes.io (kubernetes.io)|147.75.40.148|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1278 (1.2K) [application/x-yaml]
Saving to: 'wordpress-deployment.yaml'
wordpress-deployment.yaml 100%[==========>]
Type here to search
PragmaEdge
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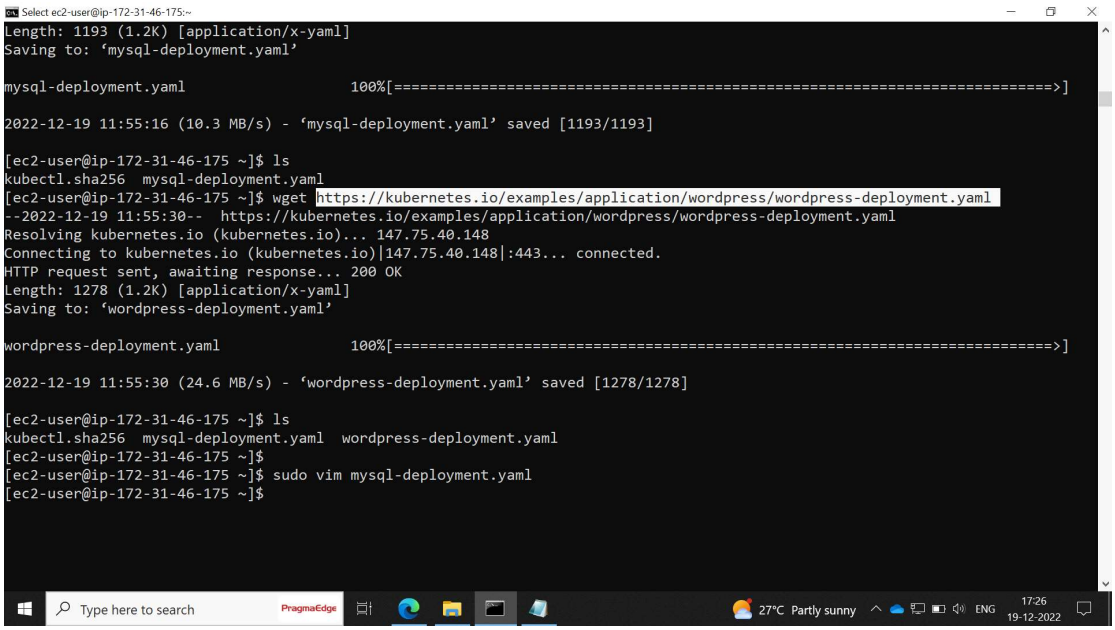
ENG
17:26
19-12-2022


Select ec2-user@ip-172-31-46-175:~
Length: 1193 (1.2K) [application/x-yaml]
Saving to: ‘mysql-deployment.yaml’
mysql-deployment.yaml 100%[==========>]
2022-12-19 11:55:16 (10.3 MB/s) - ‘mysql-deployment.yaml’ saved [1193/1193]
[ec2-user@ip-172-31-46-175 ~]$ ls
kubectl.sha256 mysql-deployment.yaml
[ec2-user@ip-172-31-46-175 ~]$ wget https://kubernetes.io/examples/application/wordpress/wordpress-deployment.yaml
--2022-12-19 11:55:30-- https://kubernetes.io/examples/application/wordpress/wordpress-deployment.yaml
Resolving kubernetes.io (kubernetes.io)... 147.75.40.148
Connecting to kubernetes.io (kubernetes.io)|147.75.40.148|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1278 (1.2K) [application/x-yaml]
Saving to: ‘wordpress-deployment.yaml’
wordpress-deployment.yaml 100%[==========>]
2022-12-19 11:55:30 (24.6 MB/s) - ‘wordpress-deployment.yaml’ saved [1278/1278]
[ec2-user@ip-172-31-46-175 ~]$ ls
kubectl.sha256 mysql-deployment.yaml wordpress-deployment.yaml
[ec2-user@ip-172-31-46-175 ~]$
[ec2-user@ip-172-31-46-175 ~]$ sudo vim mysql-deployment.yaml
[ec2-user@ip-172-31-46-175 ~]$
Type here to search
PragmaEdge
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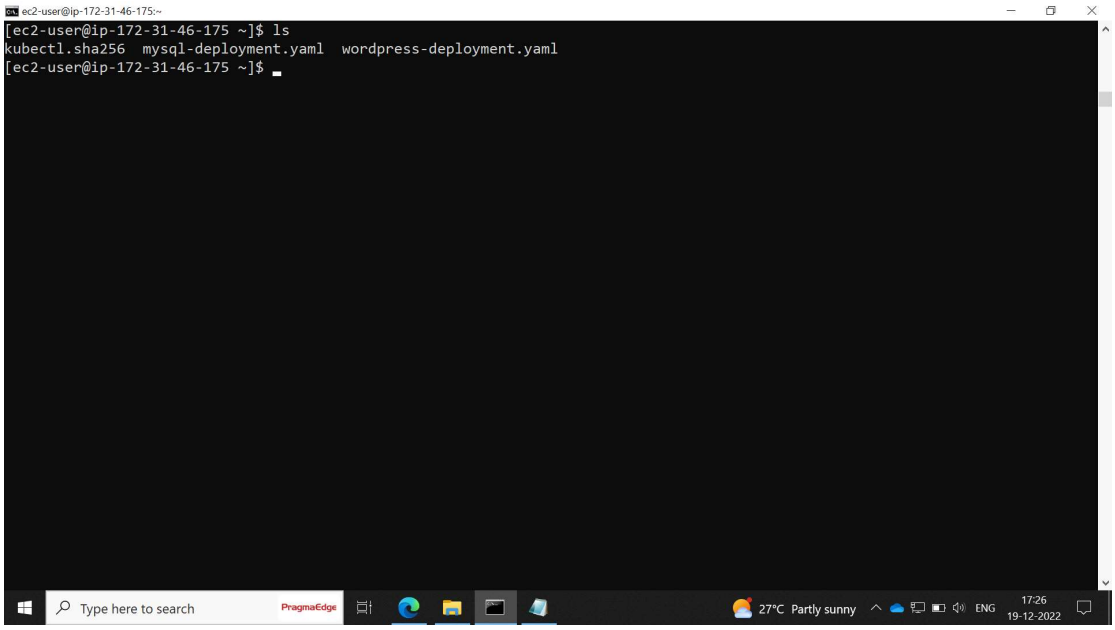
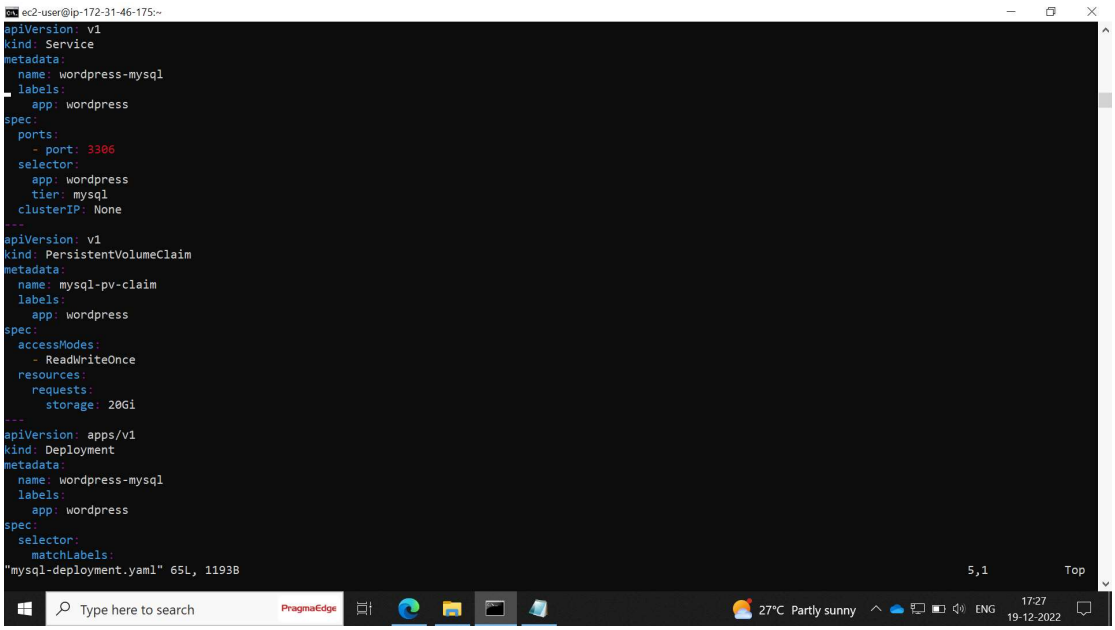
ENG
17:26
19-12-2022


ec2-user@ip-172-31-46-175:~
[ec2-user@ip-172-31-46-175 ~]$ ls
kubectl.sha256 mysql-deployment.yaml wordpress-deployment.yaml
[ec2-user@ip-172-31-46-175 ~]$
Type here to search
PragmaEdge
27°C Partly sunny
ENG
17:26
19-12-2022


ec2-user@ip-172-31-46-175:~
apiVersion: v1
kind: Service
metadata:
name: wordpress-mysql
labels:
app: wordpress
spec:
ports:
- port: 3306
selector:
app: wordpress
tier: mysql
clusterIP: None
---
apiVersion: v1
kind: PersistentVolumeClaim
metadata:
name: mysql-pv-claim
labels:
app: wordpress
spec:
accessModes:
- ReadWriteOnce
resources:
requests:
storage: 20Gi
---
apiVersion: apps/v1
kind: Deployment
metadata:
name: wordpress-mysql
labels:
app: wordpress
spec:
selector:
matchLabels:
"mysql-deployment.yaml" 65L, 1193B
5,1
Top
Type here to search
PragmaEdge
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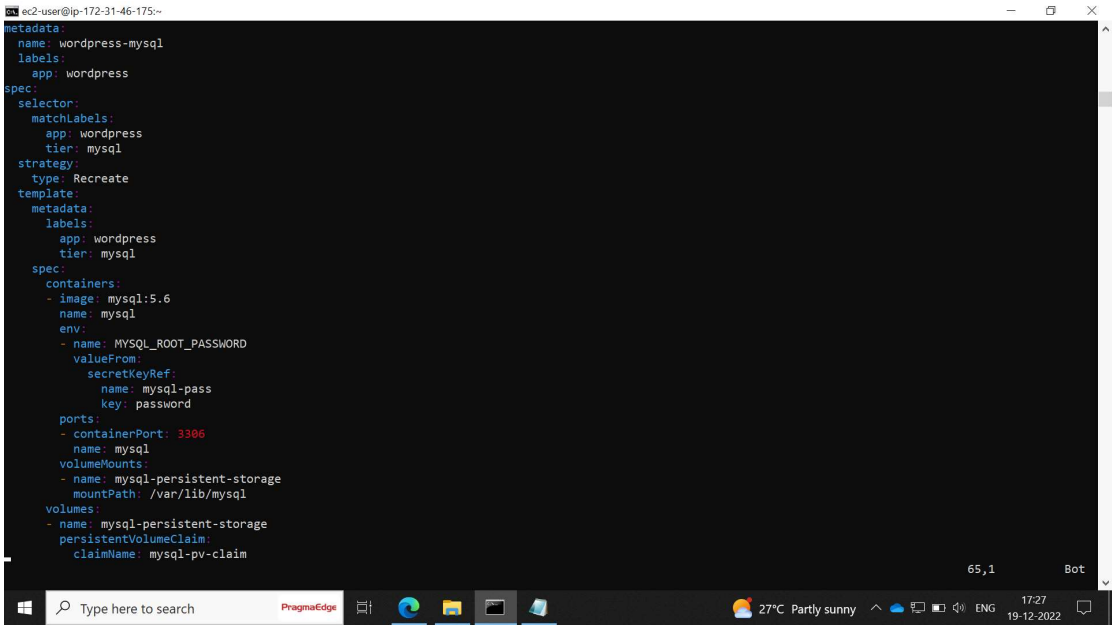
ENG
17:27
19-12-2022


ec2-user@ip-172-31-46-175:~
metadata:
name: wordpress-mysql
labels:
app: wordpress
spec:
selector:
matchLabels:
app: wordpress
tier: mysql
strategy:
type: Recreate
template:
metadata:
labels:
app: wordpress
tier: mysql
spec:
containers:
- image: mysql:5.6
name: mysql
env:
- name: MYSQL_ROOT_PASSWORD
valueFrom:
secretKeyRef:
name: mysql-pass
key: password
ports:
- containerPort: 3306
name: mysql
volumeMounts:
- name: mysql-persistent-storage
mountPath: /var/lib/mysql
volumes:
- name: mysql-persistent-storage
persistentVolumeClaim:
claimName: mysql-pv-claim
65,1
Bot
Type here to search
PragmaEdge
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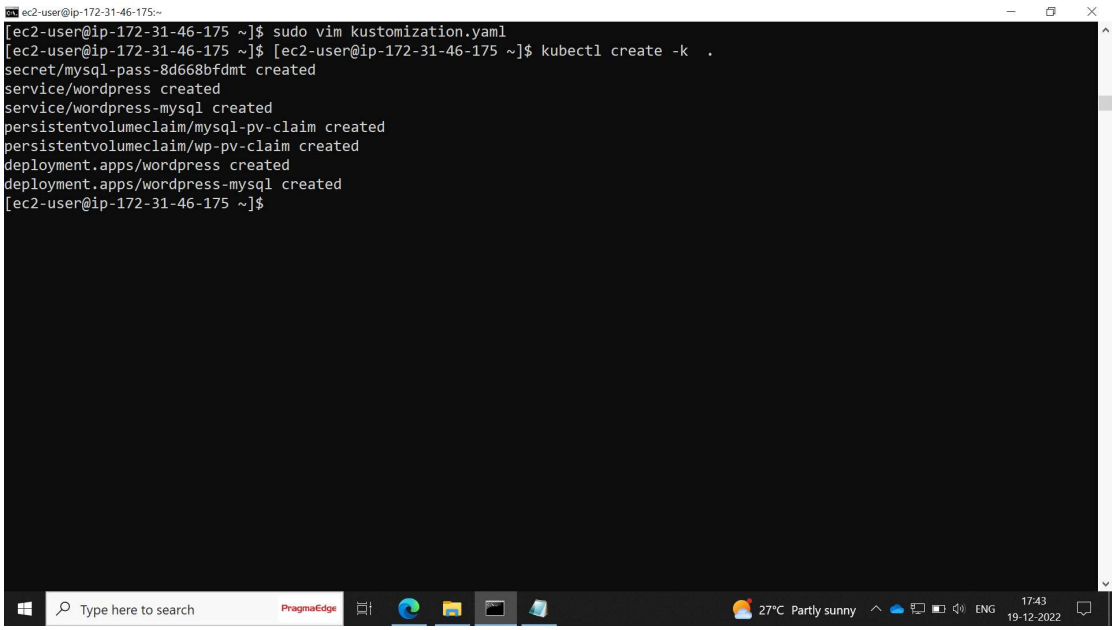
ENG
17:27
19-12-2022


ec2-user@ip-172-31-46-175:~
[ec2-user@ip-172-31-46-175 ~]$ sudo vim kustomization.yaml
[ec2-user@ip-172-31-46-175 ~]$ [ec2-user@ip-172-31-46-175 ~]$ kubectl create -k .
secret/mysql-pass-8d668bfdmt created
service/wordpress created
service/wordpress-mysql created
persistentvolumeclaim/mysql-pv-claim created
persistentvolumeclaim/wp-pv-claim created
deployment.apps/wordpress created
deployment.apps/wordpress-mysql created
[ec2-user@ip-172-31-46-175 ~]$
Type here to search
PragmaEdge
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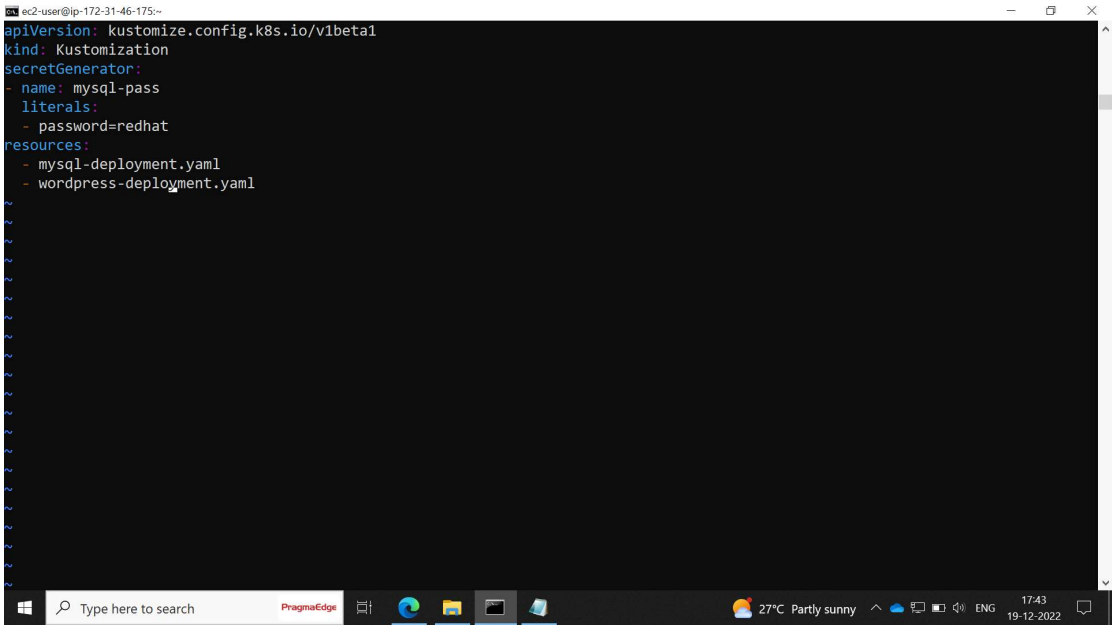
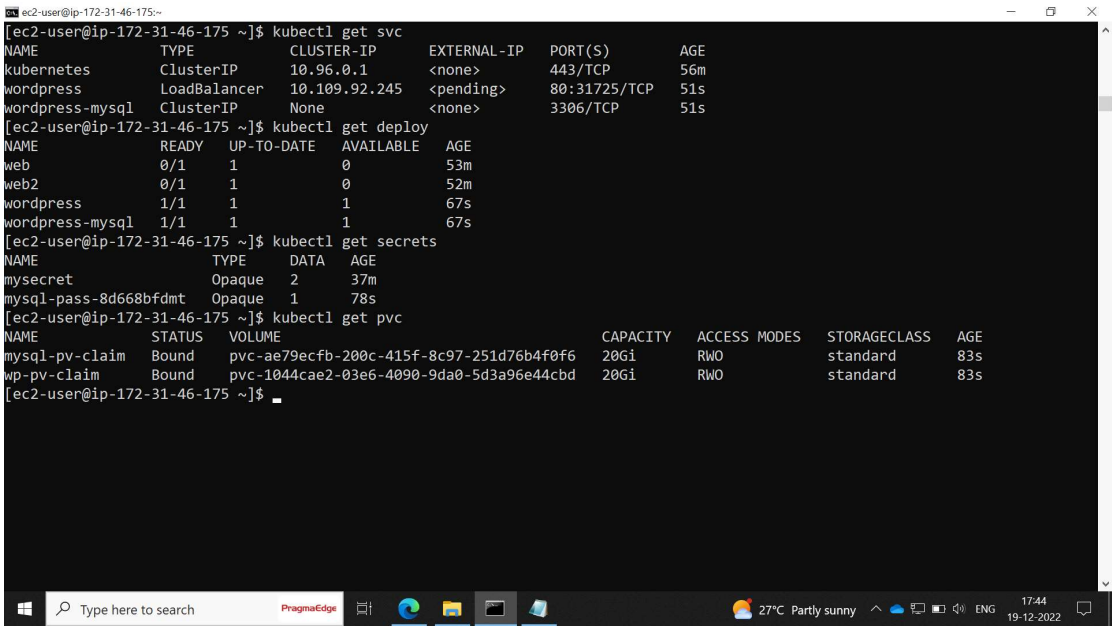
ENG
17:43
19-12-2022


ec2-user@ip-172-31-46-175:~
apiVersion: kustomize.config.k8s.io/v1beta1
kind: Kustomization
secretGenerator:
- name: mysql-pass
  literals:
  - password=redhat
resources:
  - mysql-deployment.yaml
  - wordpress-deployment.yaml
Type here to search
PragmaEdge
27°C Partly sunny
ENG
17:43
19-12-2022


ec2-user@ip-172-31-46-175:~
[ec2-user@ip-172-31-46-175 ~]$ kubectl get svc
NAME   TYPE   CLUSTER-IP   EXTERNAL-IP   PORT(S)   AGE
kubernetes   ClusterIP   10.96.0.1   <none>   443/TCP   56m
wordpress   LoadBalancer   10.109.92.245   <pending>   80:31725/TCP   51s
wordpress-mysql   ClusterIP   None   <none>   3306/TCP   51s
[ec2-user@ip-172-31-46-175 ~]$ kubectl get deploy
NAME   READY   UP-TO-DATE   AVAILABLE   AGE
web   0/1   1   0   53m
web2   0/1   1   0   52m
wordpress   1/1   1   1   67s
wordpress-mysql   1/1   1   1   67s
[ec2-user@ip-172-31-46-175 ~]$ kubectl get secrets
NAME   TYPE   DATA   AGE
mysecret   Opaque   2   37m
mysql-pass-8d668bfdmt   Opaque   1   78s
[ec2-user@ip-172-31-46-175 ~]$ kubectl get pvc
NAME   STATUS   VOLUME   CAPACITY   ACCESS MODES   STORAGECLASS   AGE
mysql-pv-claim   Bound   pvc-ae79ecfb-200c-415f-8c97-251d76b4f0f6   20Gi   RWO   standard   83s
wp-pv-claim   Bound   pvc-1044cae2-03e6-4090-9da0-5d3a96e44cbd   20Gi   RWO   standard   83s
[ec2-user@ip-172-31-46-175 ~]$
Type here to search
PragmaEdge
27°C Partly sunny
ENG
17:44
19-12-2022