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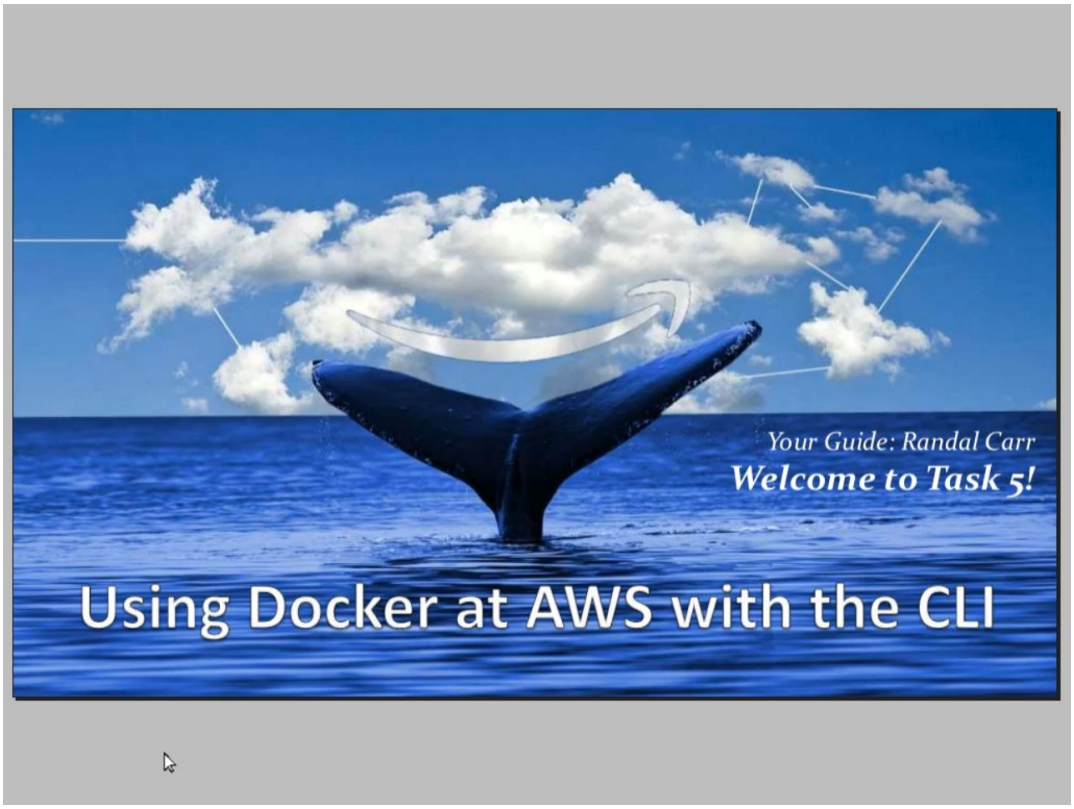
Coursera - Use Docker at AWS with the Command Line

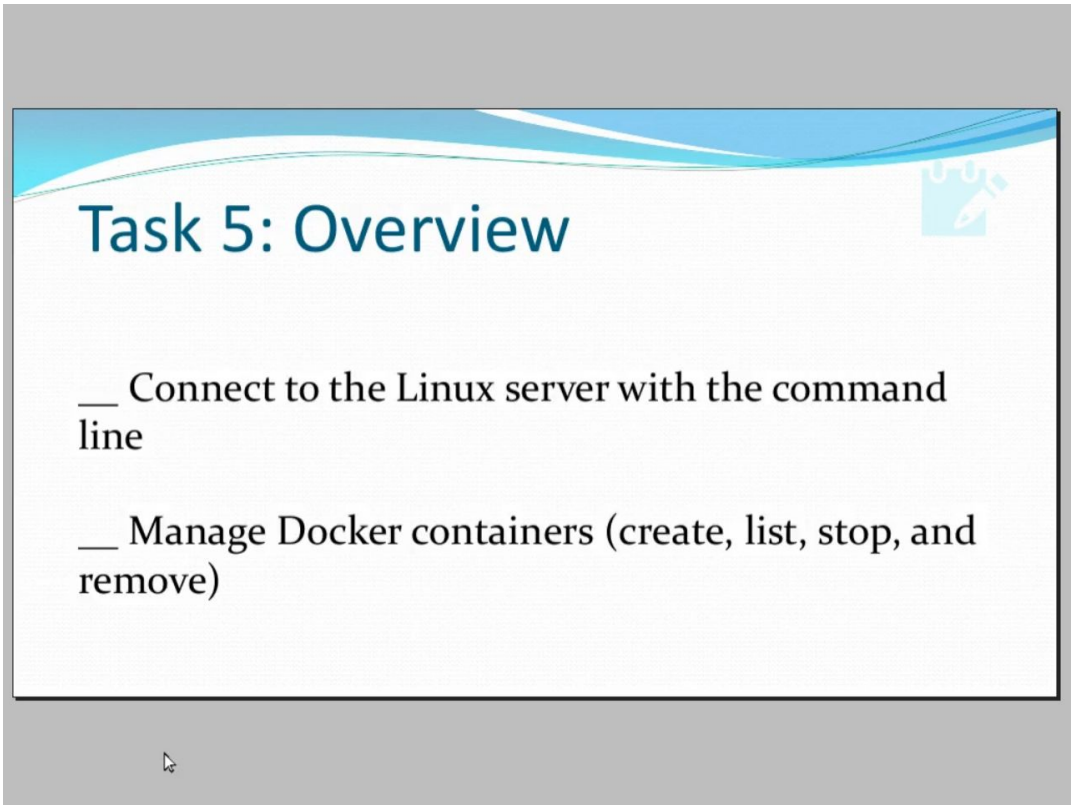
Generated on December 16, 2023

Summary

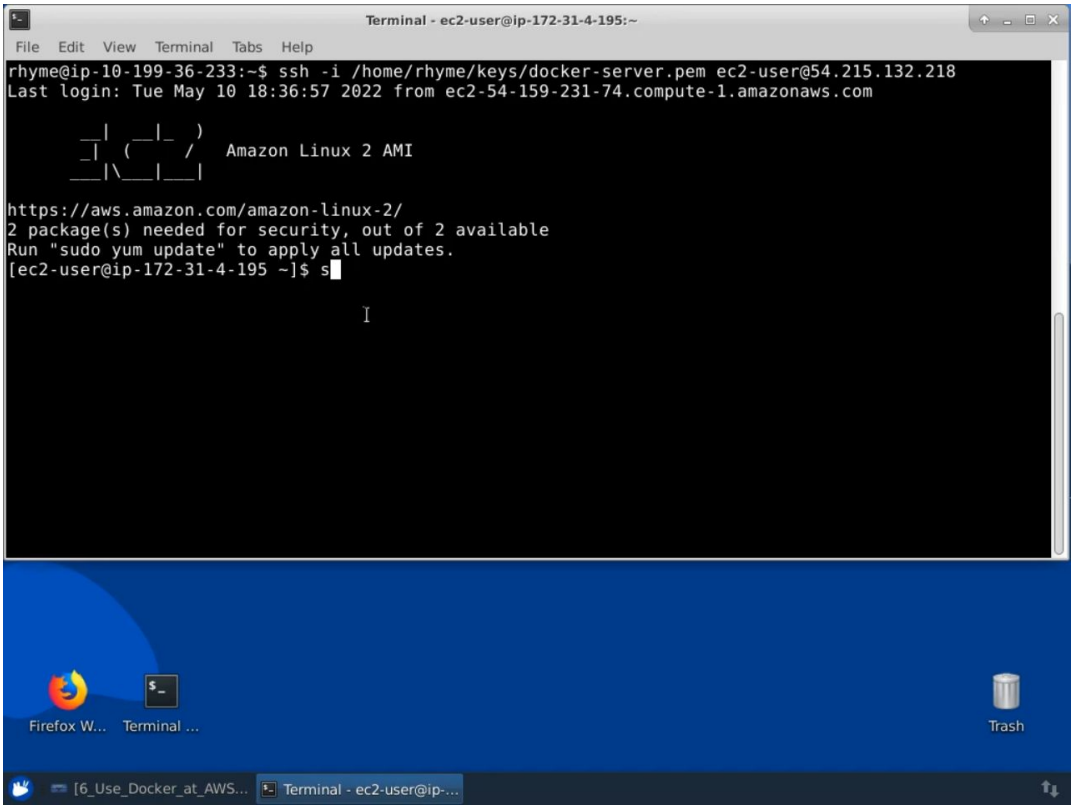
Notes	Screenshots	Bookmarks
1	9	0



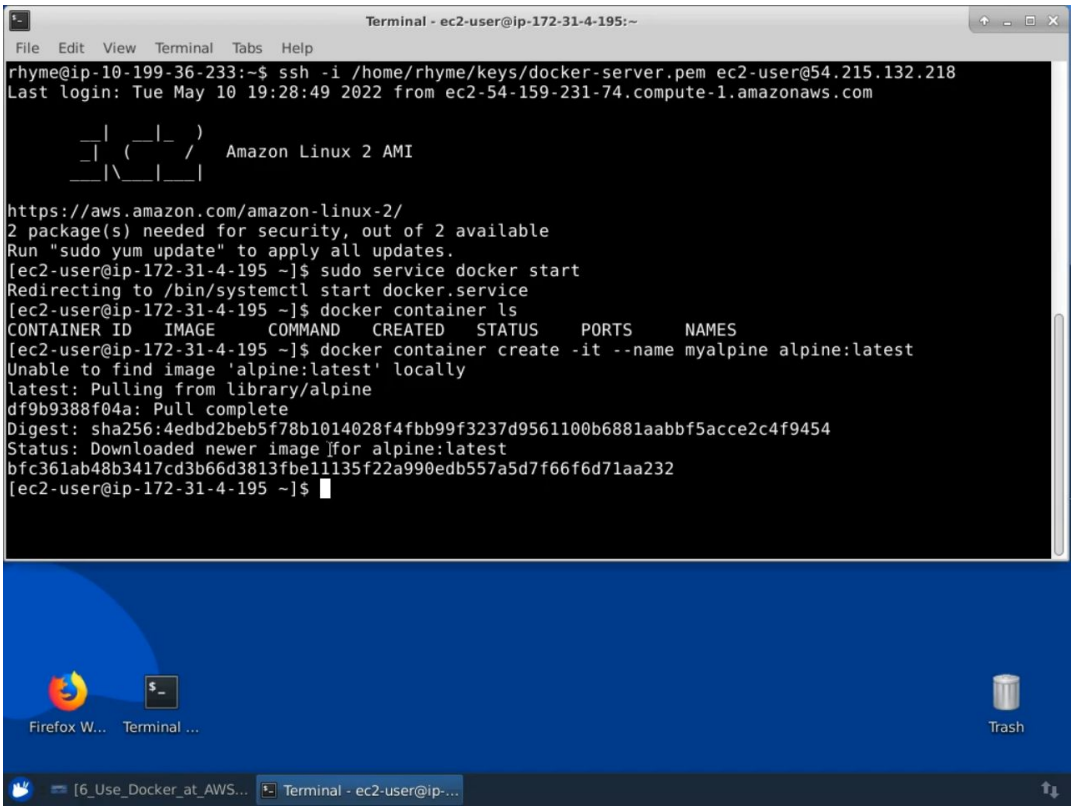
0:05


Task 5: Overview
__ Connect to the Linux server with the command line
__ Manage Docker containers (create, list, stop, and remove)

0:15


Terminal - ec2-user@ip-172-31-4-195:~
File Edit View Terminal Tabs Help
rhyme@ip-10-199-36-233:~$ ssh -i /home/rhyme/keys/docker-server.pem ec2-user@54.215.132.218
Last login: Tue May 10 18:36:57 2022 from ec2-54-159-231-74.compute-1.amazonaws.com
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
2 package(s) needed for security, out of 2 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-4-195 ~]$ s
Firefox W...
Terminal ...
Trash
[6_Use_Docker_at_AWS...
Terminal - ec2-user@ip-...

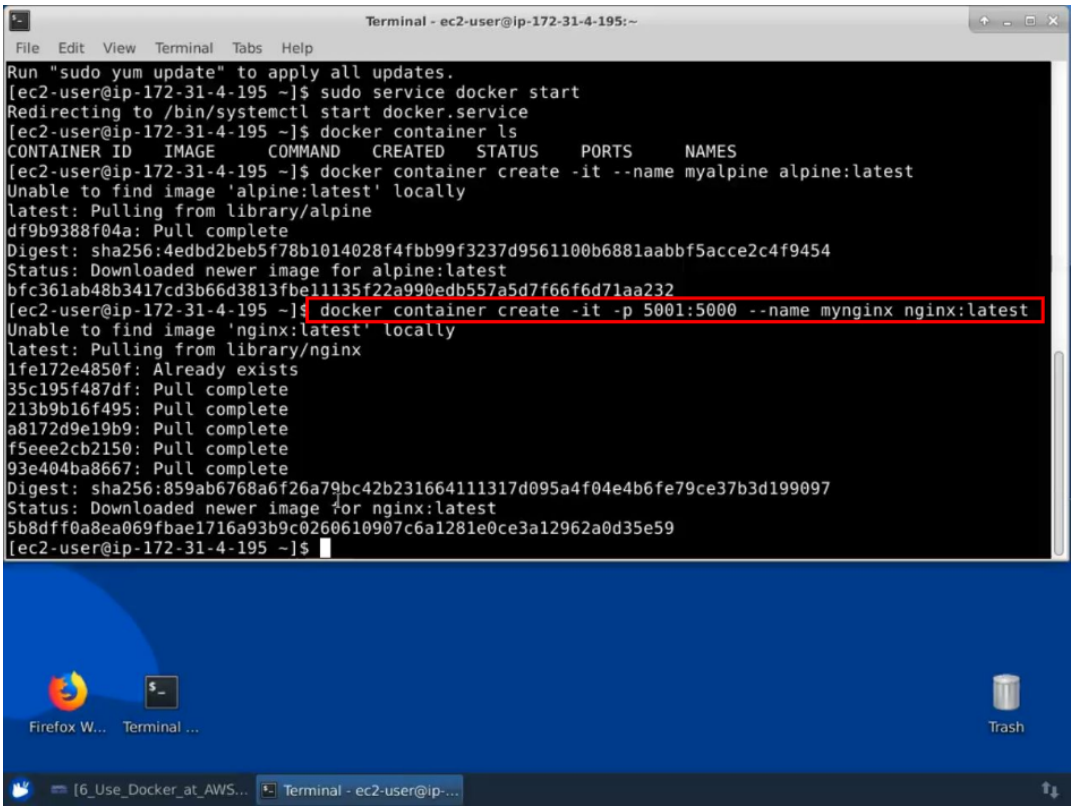
0:53



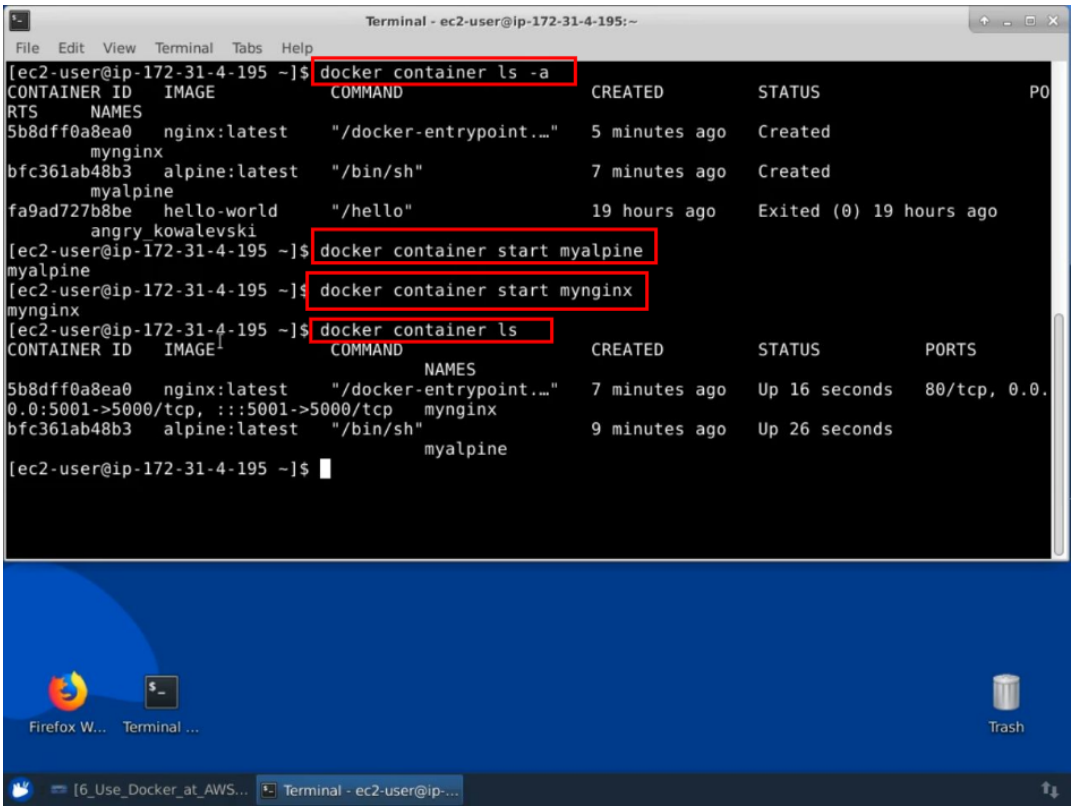
2:02

here we did not specify a port with -p option, so the default port of 5000 will use for the container

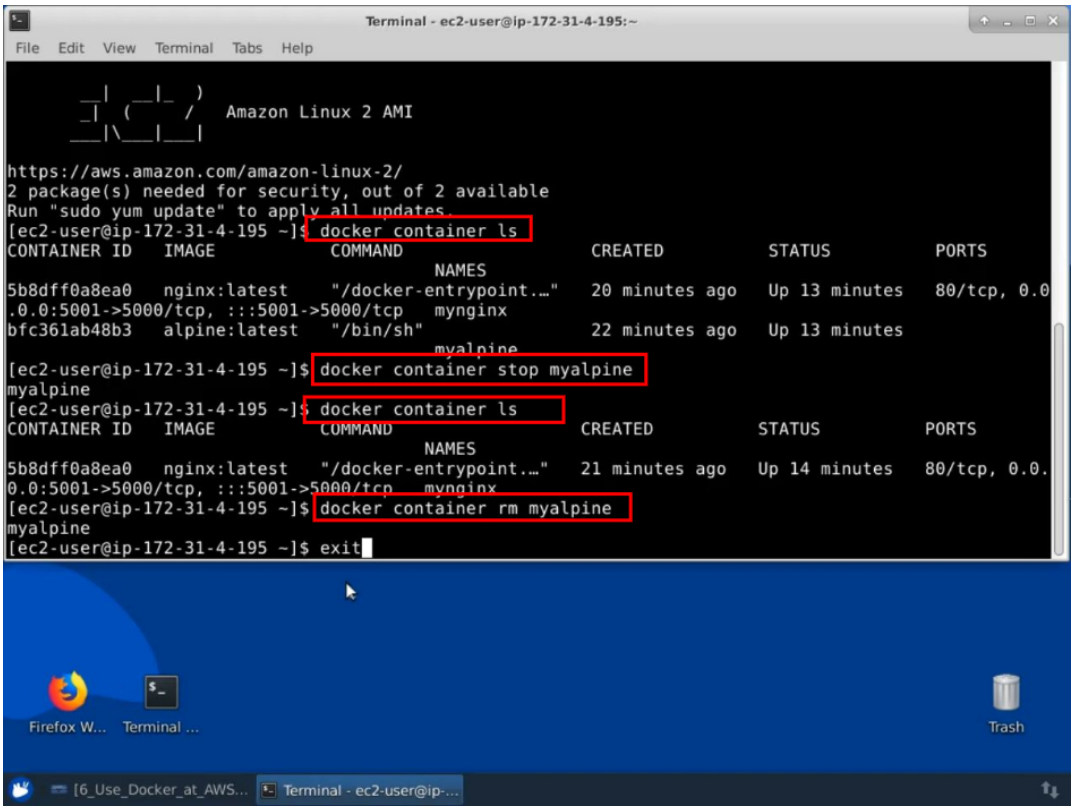
2:06


Terminal - ec2-user@ip-172-31-4-195:~
File Edit View Terminal Tabs Help
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-4-195 ~]$ sudo service docker start
Redirecting to /bin/systemctl start docker.service
[ec2-user@ip-172-31-4-195 ~]$ docker container ls
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
[ec2-user@ip-172-31-4-195 ~]$ docker container create -it --name myalpine alpine:latest
Unable to find image 'alpine:latest' locally
latest: Pulling from library/alpine
df9b9388f04a: Pull complete
Digest: sha256:4edbd2beb5f78b1014028f4fbb99f3237d9561100b6881aabbf5acce2c4f9454
Status: Downloaded newer image for alpine:latest
bfc361ab48b3417cd3b66d3813fbe11135f22a990edb557a5d7f66f6d71aa232
[ec2-user@ip-172-31-4-195 ~]$ docker container create -it -p 5001:5000 --name mynginx nginx:latest
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
1fe172e4850f: Already exists
35c195f487df: Pull complete
213b9b16f495: Pull complete
a8172d9e19b9: Pull complete
f5eee2cb2150: Pull complete
93e404ba8667: Pull complete
Digest: sha256:859ab6768a6f26a79bc42b231664111317d095a4f04e4b6fe79ce37b3d199097
Status: Downloaded newer image for nginx:latest
5b8dff0a8ea069fbae1716a93b9c0260610907c6a1281e0ce3a12962a0d35e59
[ec2-user@ip-172-31-4-195 ~]$
Firefox W...
Terminal ...
Trash
[6_Use_Docker_at_AWS...
Terminal - ec2-user@ip-...

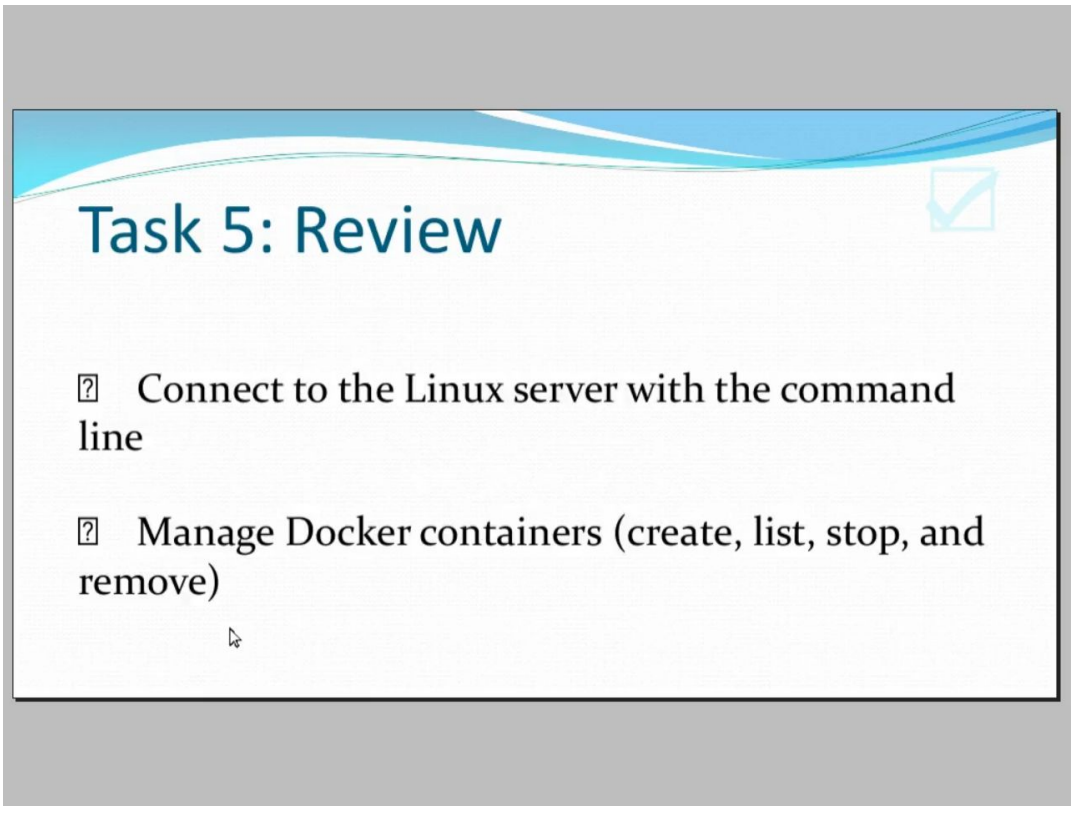
2:55


Terminal - ec2-user@ip-172-31-4-195:~
File Edit View Terminal Tabs Help
[ec2-user@ip-172-31-4-195 ~]$ docker container ls -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
5b8dff0a8ea0 nginx:latest "/docker-entrypoint.…" 5 minutes ago Created mynginx
bfc361ab48b3 alpine:latest "/bin/sh" 7 minutes ago Created myalpine
fa9ad727b8be hello-world "/hello" 19 hours ago Exited (0) 19 hours ago angry_kowalevski
[ec2-user@ip-172-31-4-195 ~]$ docker container start myalpine
myalpine
[ec2-user@ip-172-31-4-195 ~]$ docker container start mynginx
mynginx
[ec2-user@ip-172-31-4-195 ~]$ docker container ls
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
5b8dff0a8ea0 nginx:latest "/docker-entrypoint.…" 7 minutes ago Up 16 seconds 80/tcp, 0.0.0.0:5001->5000/tcp, :::5001->5000/tcp mynginx
bfc361ab48b3 alpine:latest "/bin/sh" 9 minutes ago Up 26 seconds myalpine
[ec2-user@ip-172-31-4-195 ~]$
Firefox W...
Terminal ...
Trash
[6_Use_Docker_at_AWS...
Terminal - ec2-user@ip-...

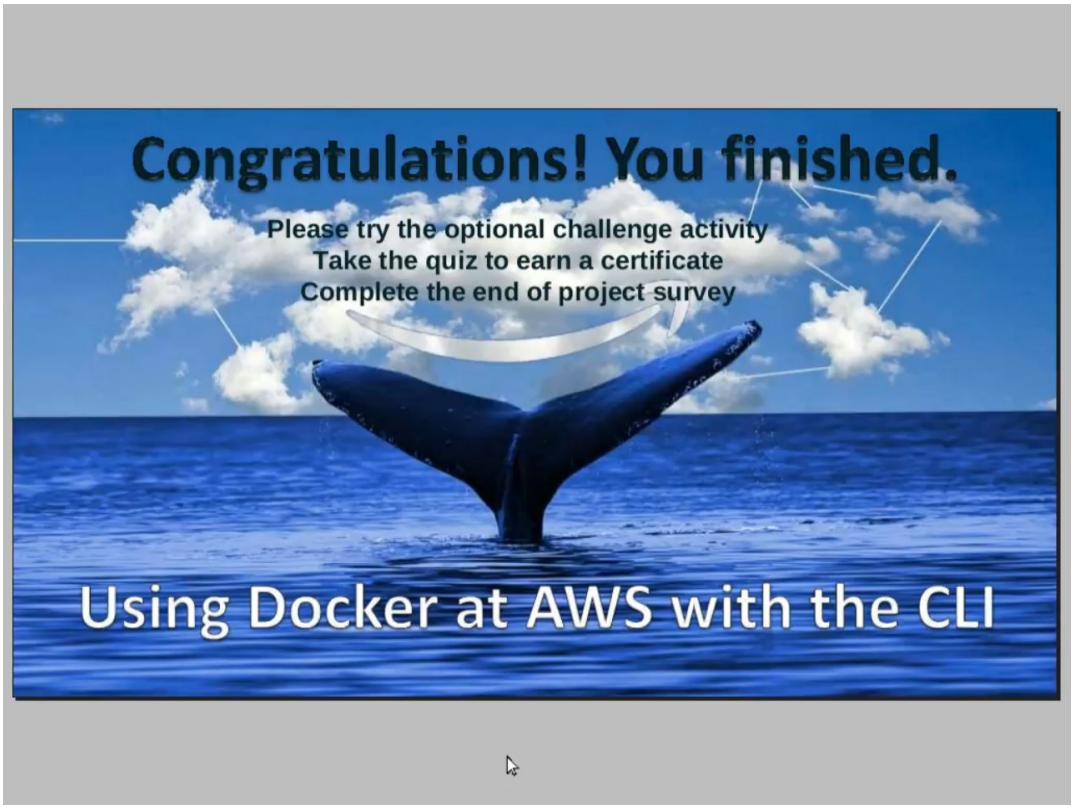
4:03


Terminal - ec2-user@ip-172-31-4-195:~
File Edit View Terminal Tabs Help
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
2 package(s) needed for security, out of 2 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-4-195 ~]$ docker container ls
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
5b8dff0a8ea0 nginx:latest "/docker-entrypoint.…" 20 minutes ago Up 13 minutes 80/tcp, 0.0.0.0:5001->5000/tcp, :::5001->5000/tcp mynginx
bfc361ab48b3 alpine:latest "/bin/sh" 22 minutes ago Up 13 minutes myalpine
[ec2-user@ip-172-31-4-195 ~]$ docker container stop myalpine
myalpine
[ec2-user@ip-172-31-4-195 ~]$ docker container ls
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
5b8dff0a8ea0 nginx:latest "/docker-entrypoint.…" 21 minutes ago Up 14 minutes 80/tcp, 0.0.0.0:5001->5000/tcp, :::5001->5000/tcp mynginx
[ec2-user@ip-172-31-4-195 ~]$ docker container rm myalpine
myalpine
[ec2-user@ip-172-31-4-195 ~]$ exit
Firefox W...
Terminal ...
Trash
[6_Use_Docker_at_AWS...
Terminal - ec2-user@ip-...

5:02


Task 5: Review
Connect to the Linux server with the command line
Manage Docker containers (create, list, stop, and remove)

5:08


Congratulations! You finished.
Please try the optional challenge activity
Take the quiz to earn a certificate
Complete the end of project survey
Using Docker at AWS with the CLI

5:21