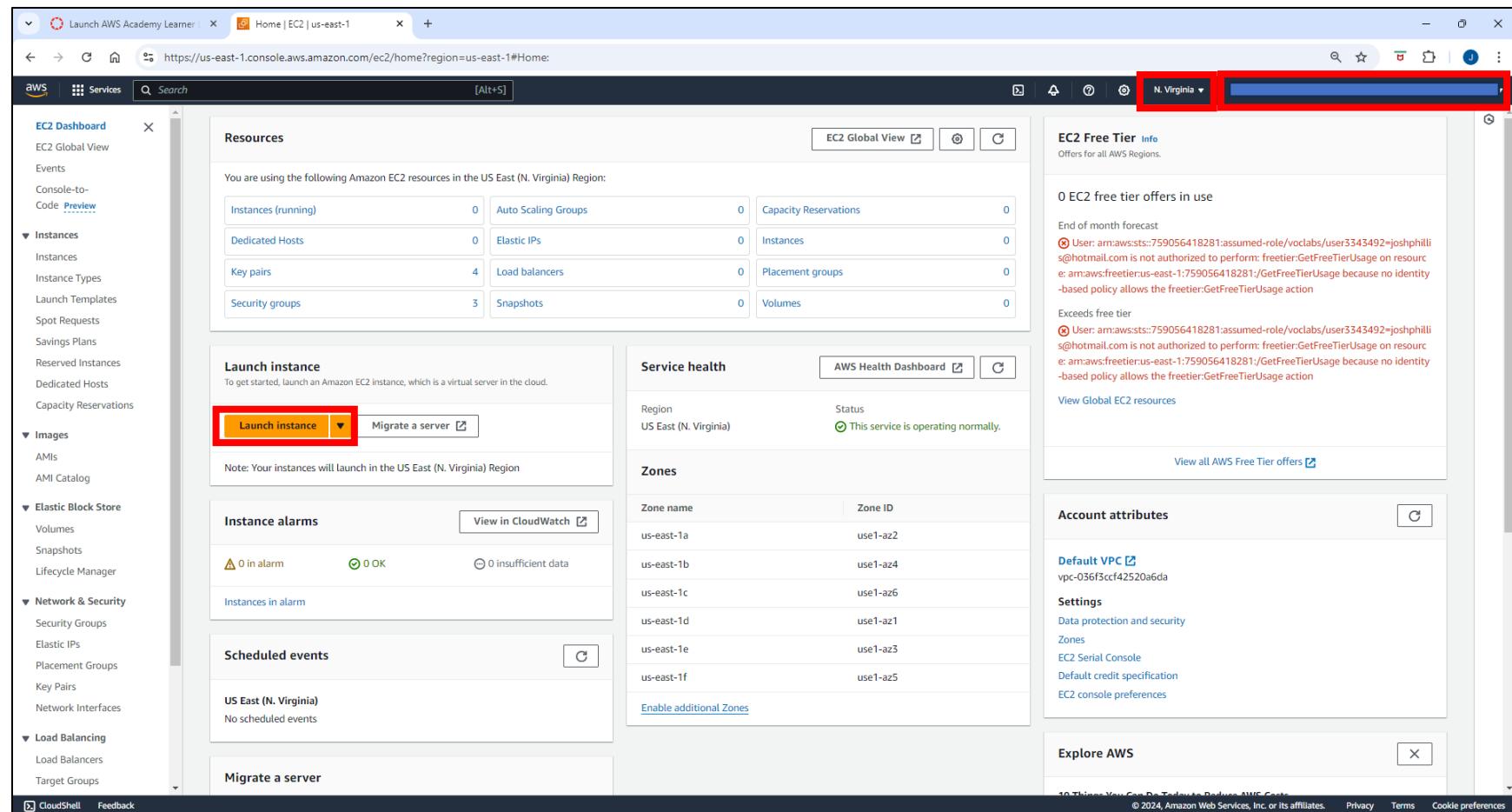


N Virginia; Logged into AWS Academy Learner lab account:

Select Launch Instance



The screenshot shows the AWS EC2 Dashboard for the N. Virginia region. The left sidebar contains navigation links for EC2 Dashboard, Instances, Images, Elastic Block Store, Network & Security, and Load Balancing. The main content area displays various EC2 resources and management tools. A prominent yellow box highlights the "Launch instance" button in the "Launch instance" section, which is described as launching an Amazon EC2 instance, a virtual server in the cloud. Below this, there are sections for Instance alarms, Scheduled events, and Migrate a server. To the right, there are sections for Service health, Zones, Account attributes, and Explore AWS. The top right corner shows a red box around the "N. Virginia" dropdown menu.

Name: Docker – TIO

Ubuntu: Ubuntu Server 22.04 LTS

The screenshot shows the 'Launch an instance' wizard in the AWS EC2 console. The 'Name and tags' section has a red box around the 'Name' field containing 'Docker - TIO'. The 'Amazon Machine Image (AMI)' section has a red box around the 'Ubuntu' tab and the 'Ubuntu Server 24.04 LTS (HVM), SSD Volume Type' item. A callout box highlights the 'Free tier' information: 'Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GB of EBS storage, 2 million IOPS, 1 GB of snapshots, and 100 GB of bandwidth to the internet.' The 'Summary' section shows 1 instance being launched. The 'Launch instance' button is highlighted with a red box.

Number of instances: 1

Software Image (AMI): Canonical, Ubuntu, 24.04, amd64...
ami-0e86e20dae9224db8

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GB of EBS storage, 2 million IOPS, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

Instance Type: t2.small

Create a key pair: Created previously, but **GL-Docker**

The screenshot shows the AWS EC2 'Launch Instances' wizard. The 'Summary' section indicates 1 instance will be launched. The 'Instance type' section shows a t2.small instance selected. The 'Key pair (login)' section has 'GL-Docker' selected. The 'Network settings' section shows a VPC and subnet chosen. A tooltip for the 'Free tier' is visible, explaining usage of 750 hours of t2.micro or t3.micro instances per month. The 'Launch instance' button is highlighted in orange at the bottom right.

Instance type

t2.small
Family: t2 1 vCPU 2 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.032 USD per Hour
On-Demand Linux base pricing: 0.025 USD per Hour
On-Demand RHEL base pricing: 0.0376 USD per Hour
On-Demand SUSE base pricing: 0.053 USD per Hour

Additional costs apply for AMIs with pre-installed software

Key pair (login)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

GL-Docker

Network settings

Network: vpc-036f3ccf42520a6da
Subnet: No preference (Default subnet in any availability zone)
Auto-assign public IP: Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups): Create security group

Summary

Number of instances: 1

Software Image (AMI): Canonical, Ubuntu, 24.04, amd64... (ami-0e86e20dae924db8)

Virtual server type (instance type): t2.small

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GiB of bandwidth to the internet.

Cancel Launch instance Review commands

Select **Edit** on previous screen

The screenshot shows the AWS EC2 'Launch an instance' wizard. On the left, under 'Network settings', a security group rule 'Allow SSH traffic and HTTP traffic from anywhere' is highlighted with a red box. This rule is part of a security group named 'sg-0f5c8257eb338fe8f'. On the right, the 'Summary' section shows 1 instance being launched. A tooltip for the 'Free tier' information is displayed, stating: 'Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.'

Key pair name - required
GL-Docker

Number of instances: 1

Software Image (AMI)
Canonical, Ubuntu, 24.04, amd64...read more
ami-0e66e20daef9224db8

Virtual server type (instance type)
t2.small

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance Review commands

Port 22, ssh, from Anywhere

Port 80, HTTP, from Anywhere

The screenshot shows the AWS EC2 Compare security group rules interface. At the top, there are tabs for Launch AWS Academy Learner and Launch an instance | EC2 | us-east-1. The main URL is https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:.

The navigation bar includes Services, Search, and a dropdown for N. Virginia.

The breadcrumb trail shows: EC2 > Instances > Launch an instance > Compare security group rules.

The title is "Compare security group rules". A note states: "Amazon EC2 evaluates all the rules of the selected security groups to control inbound and outbound traffic. You can select more security groups to view their inbound rules to help you to decide how to secure your instance from incoming traffic."

The "Common security groups" section shows a dropdown menu with "Select security groups" and a single item: "Allow SSH traffic and HTTP traffic from anywhere sg-07706d92acc0f7a0e".

The "Inbound rules (2)" table lists the following rules:

Security group name	Security group ID	Type	Protocol	Port range	Source	Description
Allow SSH traffic and HTTP traffic from anywhere	[REDACTED]	HTTP	tcp	80	0.0.0.0/0	-
Allow SSH traffic and HTTP traffic from anywhere	[REDACTED]	ssh	tcp	22	0.0.0.0/0	-

At the bottom right, there are buttons for "Cancel" and "Select security groups".

The footer includes links for CloudShell, Feedback, © 2024, Amazon Web Services, Inc. or its affiliates., Privacy, Terms, and Cookie preferences.

Select Launch Instance

The screenshot shows the 'Launch an instance' wizard in the AWS Management Console. The process is at the 'Configure security group' step.

Summary: Number of instances: 1. Software Image (AMI): Canonical, Ubuntu, 24.04, amd64... (ami-0e86e20dac9224db8). Virtual server type (instance type): t2.small. Firewall (security group): Allow SSH traffic and HTTP traffic from anywhere.

Configure storage: 1x 8 GiB gp3 Root volume (Not encrypted). A tooltip indicates that free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. There is also a note about instance store volumes.

Free tier information: A callout box details the free tier benefits: 750 hours of t2.micro (or t3.micro in regions where t2.micro is unavailable) instance usage per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOPS, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Actions: Buttons for 'Cancel' and 'Launch instance' (highlighted with a red box).

Page footer: CloudShell, Feedback, © 2024, Amazon Web Services, Inc. or its affiliates., Privacy, Terms, Cookie preferences.

Instance Running

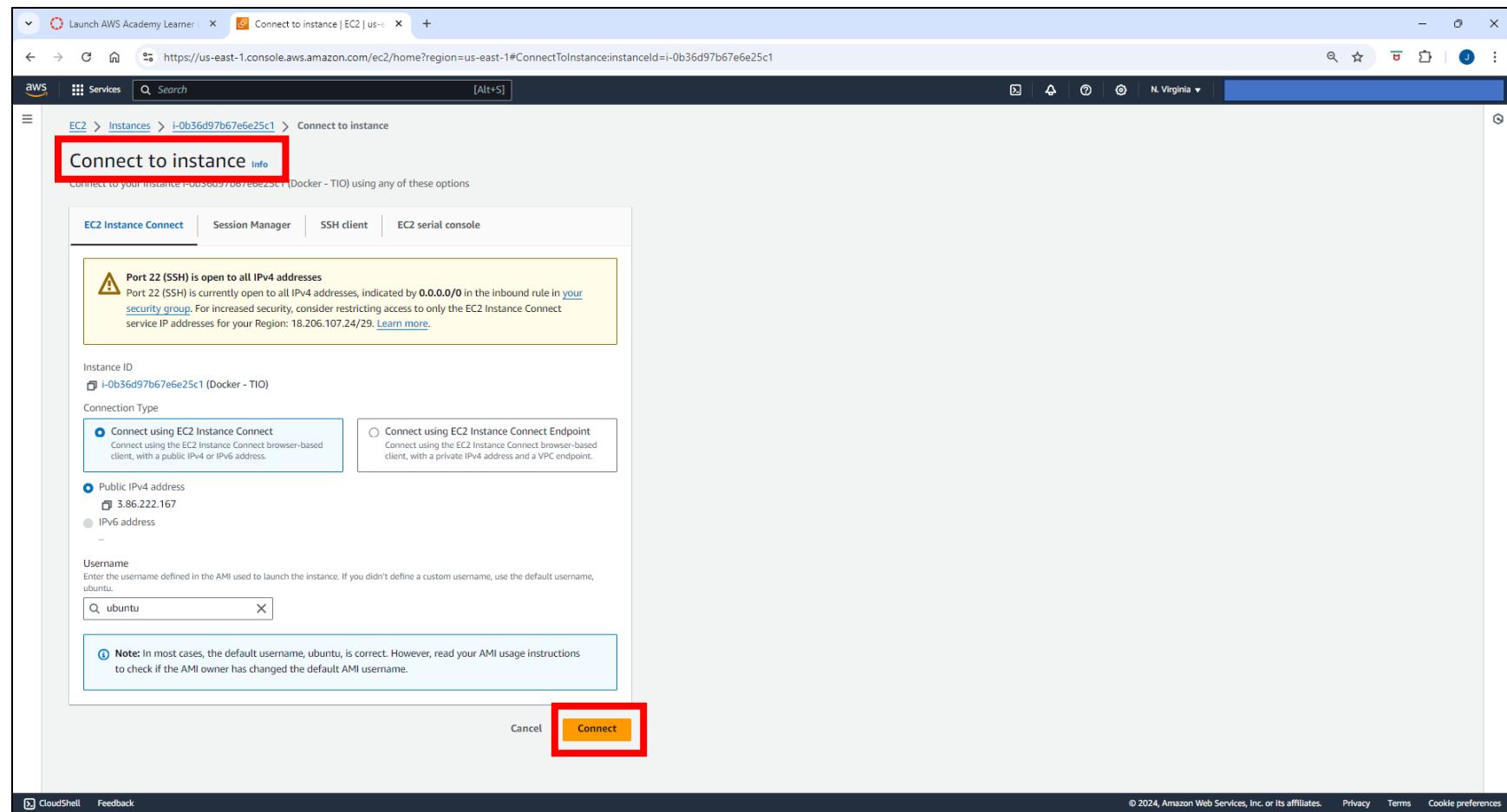
Status check: 2/2 Checks passed

Select **Checkbox** to the left of Instance

Select **Connect**

The screenshot shows the AWS EC2 Instances page. On the left, there's a navigation sidebar with options like EC2 Dashboard, EC2 Global View, Events, Console-to-Code Preview, Instances (selected), Images, and Elastic Block Store. The main content area has a title 'Instances (1/1) Info' and a table with columns: Name, Instance ID, Instance state, Status check, Instance type, alarm status, Availability Zone, Public IPv4 DNS, Public IPv4 IP, Elastic IP, IPv6 IPs, and Moni. A single row is shown for an instance named 'Docker - TIO' with the ID 'i-0b36d97b67e6e25c1'. The 'Status check' column shows '2/2 checks passed'. The 'Instance state' is 'Running'. The 'Instance type' is 't2.small'. The 'Availability Zone' is 'us-east-1a'. The 'Public IPv4 DNS' is 'ec2-3-86-222-167.compute-1.amazonaws.com'. The 'Public IPv4 IP' is '3.86.222.167'. The 'Elastic IP' and 'IPv6 IPs' are listed as '-' and 'disabled' respectively. The 'Moni' column is partially visible. At the top right, there are buttons for 'Connect', 'Instance state', 'Actions', and 'Launch instances'. Below the table, there's a detailed view for the selected instance 'i-0b36d97b67e6e25c1 (Docker - TIO)' with tabs for Details, Status and alarms, Monitoring, Security, Networking, Storage, and Tags. The 'Details' tab is selected. It shows various configuration details such as Instance ID, Public IPv4 address, Instance state, Private IP DNS name, Instance type, VPC ID, and Subnet ID. Red boxes highlight the checkbox in the table header, the 'Status check' column, the 'Connect' button, and the 'Status and alarms' tab in the detailed view.

Select Connect on Connect to instance screen



EC2 Instance Connect browser terminal

The screenshot shows a web browser window with the title "EC2 Instance Connect". The address bar displays the URL <https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-0b36d97b67e6e25c1&osUser=ubuntu®ion=us-east-1&sshPort=22#/>. The main content area is a terminal window showing the Ubuntu 24.04 LTS system information:

```
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1012-aws x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/pro

System information as of Sun Sep 29 18:39:48 UTC 2024

System load: 0.09      Processes:          105
Usage of /: 22.8% of 6.71GB  Users logged in: 0
Memory usage: 9%
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

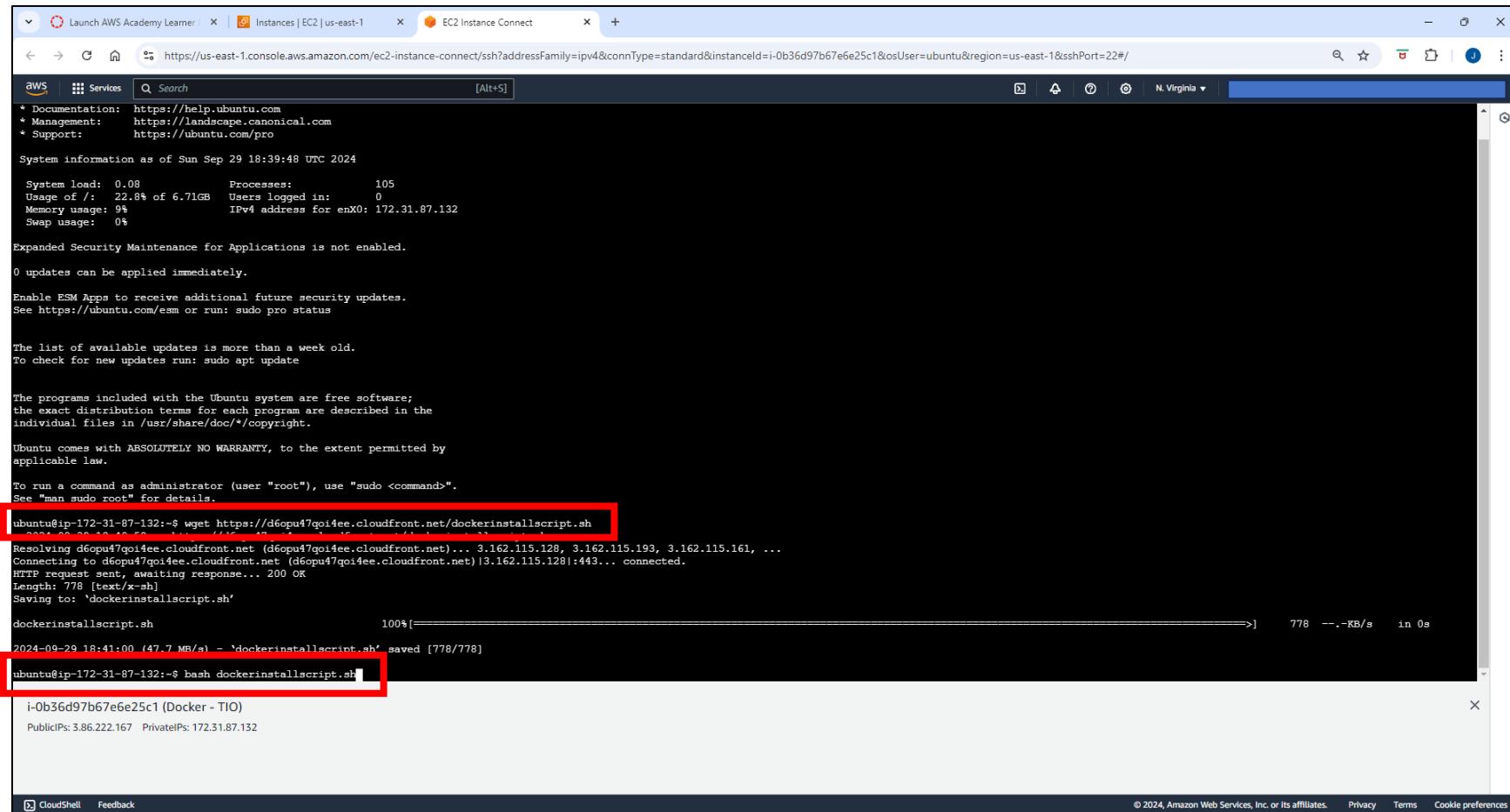
ubuntu@ip-172-31-87-132:~$
```

At the bottom of the terminal window, there is a message: "i-0b36d97b67e6e25c1 (Docker - TIO) PublicIPs: 3.86.222.167 PrivateIPs: 172.31.87.132".

The browser interface includes standard navigation buttons (back, forward, search), a search bar, and a tab bar with other AWS services like CloudShell and Feedback.

Run command: `wget https://d6opu47qoi4ee.cloudfront.net/dockerinstallscript.sh`

Run command: `bash dockerinstallscript.sh`



```
System information as of Sun Sep 29 18:39:48 UTC 2024
System load: 0.08      Processes:          105
Usage of '/': 22.8% of 6.71GB  Users logged in: 0
Memory usage: 9%          IPv4 address for enX0: 172.31.87.132
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo root" for details.

[redacted]ubuntu@ip-172-31-87-132:~$ wget https://d6opu47qoi4ee.cloudfront.net/dockerinstallscript.sh
Resolving d6opu47qoi4ee.cloudfront.net (d6opu47qoi4ee.cloudfront.net)... 3.162.115.128, 3.162.115.193, 3.162.115.161, ...
Connecting to d6opu47qoi4ee.cloudfront.net (d6opu47qoi4ee.cloudfront.net)|3.162.115.128|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 778 [text/x-sh]
Saving to: 'dockerinstallscript.sh'

[redacted]dockerinstallscript.sh          100%[=====]    778 --.-KB/s   in 0s
2024-09-29 18:41:00 (47.7 MB/s) - `dockerinstallscript.sh' saved [778/778]

[redacted]ubuntu@ip-172-31-87-132:~$ bash dockerinstallscript.sh
[redacted]
```

CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Run command: **exit**

Output: **logout**

The screenshot shows a terminal window within an AWS CloudShell interface. The terminal is running a command to install Docker CE on an Ubuntu 24.04 instance. The output of the command is displayed, showing the unpacking of various packages like docker-ce, docker-ce-rootless-extras, docker-compose-plugin, libltdl7, libslirp0, slirp4netns, libltdl7, libslirp0, and docker-ce-cll. It also creates symlinks for docker.service and docker.socket. The process continues with triggers, scanning processes, and checking the kernel. Finally, it reaches the end of the command with 'exit' and 'logout'.

```
Unpacking docker-ce (5:27.3.1-1~ubuntu.24.04-noble) ...
Selecting previously unselected package docker-ce-rootless-extras.
Preparing to unpack .../5-docker-ce-rootless-extras_5%3a27.3.1-1~ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-ce-rootless-extras (5:27.3.1-1~ubuntu.24.04-noble) ...
Selecting previously unselected package docker-compose-plugin.
Preparing to unpack .../6-docker-compose-plugin_2.29.7-1~ubuntu.24.04-noble_amd64.deb ...
Unpacking docker-compose-plugin (2.29.7-1~ubuntu.24.04-noble) ...
Selecting previously unselected package libltdl7:amd64.
Preparing to unpack .../7-libltdl7_2.4.7-7build1_amd64.deb ...
Unpacking libltdl7:amd64 (2.4.7-7build1) ...
Selecting previously unselected package libslirp0:amd64.
Preparing to unpack .../8-libslirp0_4.7.0~ubuntu3_amd64.deb ...
Unpacking libslirp0:amd64 (4.7.0~ubuntu3) ...
Selecting previously unselected package slirp4netns.
Preparing to unpack .../9-slirp4netns_1.2.1-1build2_amd64.deb ...
Unpacking slirp4netns (1.2.1-1build2) ...
Setting up docker-buildx-plugin (0.17.1-1~ubuntu.24.04-noble) ...
Setting up containerd.io (1.7.22-1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service --> /usr/lib/systemd/system/containerd.service.
Setting up docker-compose-plugin (2.29.7-1~ubuntu.24.04-noble) ...
Setting up libltdl7:amd64 (2.4.7-7build1) ...
Setting up docker-ce-cll (5:27.3.1-1~ubuntu.24.04-noble) ...
Setting up libslirp0:amd64 (4.7.0~ubuntu3) ...
Setting up pigz (2.8-1) ...
Setting up docker-ce-rootless-extras (5:27.3.1-1~ubuntu.24.04-noble) ...
Setting up slirp4netns (1.2.1-1build2) ...
Setting up docker-ce (5:27.3.1-1~ubuntu.24.04-noble) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service --> /usr/lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket --> /usr/lib/systemd/system/docker.socket.
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.2) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.

i-0b36d97b67e6e25c1 (Docker - TIO)
PublicIPs: 3.86.222.167 PrivateIPs: 172.31.87.132
[172.31.87.132] $ exit
logout
```

CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Restart the shell, **Refresh the page**

Run command: **docker version**

The screenshot shows a terminal window within the AWS CloudShell interface. The terminal is titled 'EC2 Instance Connect' and displays the output of the 'docker version' command. The output includes system information, security updates, and the Docker version. A red box highlights the command 'docker version' at the bottom of the terminal window.

```
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1012-aws x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/pro

System information as of Sun Sep 29 18:45:46 UTC 2024

System load: 0.06      Processes:           110
Usage of /: 32.1% of 6.71GB  Users logged in: 0
Memory usage: 13%          IPv4 address for enX0: 172.31.87.132
Swap usage: 0%
```

Expanded Security Maintenance for Applications is not enabled.

144 updates can be applied immediately.
38 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

```
Last login: Sun Sep 29 18:45:46 2024 from 10.0.0.1 206.107.29
ubuntu@ip-172-31-87-132: ~ $ docker version
```

i-0b36d97b67e6e25c1 (Docker - TIO)
PublicIPs: 3.86.222.167 PrivateIPs: 172.31.87.132

CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Client Version displayed

Server Version displayed

Run command: **sudo chown ubuntu:ubuntu -R /opt**

Run command: **cd /opt**

Run command: **docker images**

The screenshot shows a browser window titled "Launch AWS Academy Learner" connected to an EC2 instance. The URL is https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-0b36d97b67e6e25c1&osUser=ubuntu®ion=us-east-1&sshPort=22#/.

The terminal window displays system status and security updates:

```
Memory usage: 13%           IPv4 address for enX0: 172.31.87.132
Swap usage:  0%
Expanded Security Maintenance for Applications is not enabled.
144 updates can be applied immediately.
38 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sun Sep 29 18:39:49 2024 from 18.206.107.29
ubuntu@ip-172-31-87-132:~$ docker version
Client: Docker Engine - Community
  Version:          27.3.1
  API version:     1.47
  Go version:      go1.22.7
  Git commit:      ce12230
  Built:           Fri Sep 20 11:40:59 2024
  OS/Arch:         linux/amd64
  Context:         default

Server: Docker Engine - Community
  Engine:
    Version:          27.3.1
    API version:     1.47 (minimum version 1.24)
    Go version:      go1.22.7
    Git commit:      41ca978
    Built:           Fri Sep 20 11:40:59 2024
    OS/Arch:         linux/amd64
    Experimental:   false
  containerd:
    Version:          1.7.22
    GitCommit:        7f7fdf5fed64eb6a7caf99b3e12efcf9d60e31 c
  runc:
    Version:          1.1.14
    GitCommit:        v1.1.14-0-g2c9f560

  Version:          0.10.0
  GitCommit:        de40ad0
ubuntu@ip-172-31-87-132:~$ sudo chown ubuntu:ubuntu -R /opt
ubuntu@ip-172-31-87-132:~$ cd /opt
ubuntu@ip-172-31-87-132:/opt$ docker images
```

The terminal output is highlighted with three red boxes. The first box covers the Client and Server engine versions. The second box covers the containerd and runc details. The third box covers the final command and its result.

At the bottom of the terminal, the prompt shows the user is in the /opt directory and has run "docker images".

At the very bottom of the screen, there are navigation links for CloudShell, Feedback, and legal notices.

Run command: `docker run --rm busybox:latest /bin/echo "Hello world"`

The screenshot shows a terminal window within the AWS CloudShell interface. The terminal is connected to an EC2 instance in the N. Virginia region. The session title is "EC2 Instance Connect". The URL in the browser is <https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-0b36d97b67e6e25c1&cosUser=ubuntu®ion=us-east-1&sshPort=22#/>.

```
Expanded Security Maintenance for Applications is not enabled.  
144 updates can be applied immediately.  
38 of these updates are standard security updates.  
To see these additional updates run: apt list --upgradable  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
Last login: Sun Sep 29 18:39:49 2024 from 18.206.107.29  
ubuntu@ip-172-31-87-132:~$ docker version  
Client: Docker Engine - Community  
  Version: 27.3.1  
  API version: 1.47  
  Go version: go1.22.7  
  Git commit: ce12230  
  Built: Fri Sep 20 11:40:59 2024  
  OS/Arch: linux/amd64  
  Context: default  
  
Server: Docker Engine - Community  
  Engine:  
    Version: 27.3.1  
    API version: 1.47 (minimum version 1.24)  
    Go version: go1.22.7  
    Git commit: 41ca978  
    Built: Fri Sep 20 11:40:59 2024  
    OS/Arch: linux/amd64  
    Experimental: false  
  containerd:  
    Version: 1.7.22  
    GitCommit: 7f7fdf5fed64eb6a7caf99b3e12efcf9d60e311c  
  runc:  
    Version: 1.1.14  
    GitCommit: v1.1.14-0-g2c9f560  
  docker-init:  
    Version: 0.19.0  
    GitCommit: de40ad0  
ubuntu@ip-172-31-87-132:~$ sudo chown ubuntu:ubuntu -R /opt  
ubuntu@ip-172-31-87-132:~$ cd /opt  
ubuntu@ip-172-31-87-132:/opt$ docker images  
REPOSITORY TAG IMAGE ID CREATED SIZE  
ubuntu@ip-172-31-87-132:/opt$ docker run --rm busybox:latest /bin/echo "Hello world"  
  
i-0b36d97b67e6e25c1 (Docker - TIO)  
PublicIPs: 3.86.222.167 PrivateIPs: 172.31.87.132
```

A red box highlights the command `docker run --rm busybox:latest /bin/echo "Hello world"` in the terminal window.

Status: Downloaded newer image for busybox:latest

Hello world

Run command: wget https://d6opu47qoi4ee.cloudfront.net/project-container/Dockerfile

The screenshot shows a terminal window within the AWS CloudShell interface. The URL in the address bar is <https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-0b36d97b67e6e25c1&osUser=ubuntu®ion=us-east-1&sshPort=22#/>. The terminal output shows the user running a series of Docker commands:

```
Last login: Sun Sep 29 18:39:49 2024 from 18.206.107.29
ubuntu@ip-172-31-87-132:~$ docker version
Client: Docker Engine - Community
  Version:           27.3.1
  API version:      1.47
  Go version:       go1.22.7
  Git commit:       ce12230
  Built:             Fri Sep 20 11:40:59 2024
  OS/Arch:          linux/amd64
  Context:          default

Server: Docker Engine - Community
  Engine:
    Version:          27.3.1
    API version:     1.47 (minimum version 1.24)
    Go version:      go1.22.7
    Git commit:      41ca978
    Built:            Fri Sep 20 11:40:59 2024
    OS/Arch:          linux/amd64
    Experimental:    false
  containerd:
    Version:          1.7.22
    GitCommit:        7f7fdf5fed64eb6a7caf99b3e12efcf9d60e311c
  runc:
    Version:          1.1.14
    GitCommit:        v1.1.14-0-g2c9ff560
  docker-init:
    Version:          0.19.0
    GitCommit:        de40ad0
ubuntu@ip-172-31-87-132:~$ sudo chown ubuntu:ubuntu -R /opt
ubuntu@ip-172-31-87-132:~$ cd /opt
ubuntu@ip-172-31-87-132:/opt$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ubuntu@ip-172-31-87-132:/opt$ docker run --rm busybox:latest /bin/echo "Hello world"
Unable to find image 'busybox:latest' locally
latest: Pulling from library/busybox
Digest: sha256:c230832bd3b50be59a6c47ed64294f9ce71e91b327957920b6929a0caa8353140
Status: Downloaded newer image for busybox:latest
ubuntu@ip-172-31-87-132:/opt$ wget https://d6opu47qoi4ee.cloudfront.net/project-container/Dockerfile
```

The last command, `wget https://d6opu47qoi4ee.cloudfront.net/project-container/Dockerfile`, is highlighted with a red rectangle.

Saved to: 'Dockerfile'

Dockerfile: 100% downloaded

Run command: docker build -t helloworld .

The screenshot shows a terminal session in the AWS CloudShell interface. The terminal window has a red border and is positioned in the bottom right corner of the screen. The session starts with the output of a 'Dockerfile' download:

```
Built: Fri Sep 20 11:40:59 2024
OS/Arch: linux/amd64
Context: default

Server: Docker Engine - Community
Engine:
  Version: 27.3.1
  API version: 1.47 (minimum version 1.24)
  Go version: go1.22.7
  Git commit: 41ca978
  Built: Fri Sep 20 11:40:59 2024
  OS/Arch: linux/amd64
  Experimental: false
containerd:
  Version: 1.7.22
  GitCommit: 7e7ffd5fed64eb6a7caf99b3e12efcf9d60e311c
runc:
  Version: 1.1.14
  GitCommit: v1.1.14-0-g2c9f560
docker-init:
  Version: 0.19.0
  GitCommit: de40ad0
ubuntu@ip-172-31-87-132:~$ sudo chown ubuntu:ubuntu -R /opt
ubuntu@ip-172-31-87-132:~$ cd /opt
ubuntu@ip-172-31-87-132:/opt$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
ubuntu@ip-172-31-87-132:/opt$ docker run --rm busybox:latest /bin/echo "Hello world"
Unable to find image 'busybox:latest' locally
latest: Pulling from library/busybox
2fcfe10ccfc5: Pull complete
Digest: sha256:c230832bd3b0be59af4c7ed4294f9cc71e91b327957920b6929a0caa8353140
Status: Downloaded newer image for busybox:latest
Hello world
ubuntu@ip-172-31-87-132:/opt$ wget https://d6opu47qoi4ee.cloudfront.net/project-container/Dockerfile
-- 2024-09-29 18:58:43-- https://d6opu47qoi4ee.cloudfront.net/project-container/Dockerfile
Resolving d6opu47qoi4ee.cloudfront.net (d6opu47qoi4ee.cloudfront.net)... 3.162.115.193, 3.162.115.180, 3.162.115.161, ...
Connecting to d6opu47qoi4ee.cloudfront.net (d6opu47qoi4ee.cloudfront.net)|3.162.115.193|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 813 [binary/octet-stream]
Saving to: 'Dockerfile'

Dockerfile          100%[=====]   813  --.-KB/s    in 0s

2024-09-29 18:58:44 (156 MB/s) - 'Dockerfile' saved [813/813]
ubuntu@ip-172-31-87-132:/opt$ docker build -t helloworld .
```

The command 'docker build -t helloworld .' is highlighted with a red box at the bottom of the terminal window. The status bar at the bottom of the CloudShell interface shows the instance ID (i-0b36d97b67e6e25c1), public and private IP addresses, and various AWS links.

Building

The screenshot shows a browser window with the AWS CloudShell interface. The URL is <https://us-east-1.console.aws.amazon.com/ec2-instance-connect/shell?addressFamily=ipv4&connType=standard&instanceId=i-0b36d97b67e6e25c1&osUser=ubuntu®ion=us-east-1&sshPort=22#/>. The page title is "EC2 Instance Connect". The content area displays the terminal output of a Docker build process:

```
Unable to find image 'busybox:latest' locally
latest: Pulling from library/busybox
2fcfe10cd1c5: Pull complete
Digest: sha256:c230832b3d0be59a6c47ed64294f9ce71e91b327957920b6929a0caa8353140
Status: Downloaded newer image for busybox:latest
Hello world
ubuntu@ip-172-31-87-132:/opt$ wget https://d6opu47qo14ee.cloudfront.net/project-container/Dockerfile
--2024-09-29 18:58:43-- https://d6opu47qo14ee.cloudfront.net/project-container/Dockerfile
Resolving d6opu47qo14ee.cloudfront.net (d6opu47qo14ee.cloudfront.net) ... 3.162.115.193, 3.162.115.180, 3.162.115.161, ...
Connecting to d6opu47qo14ee.cloudfront.net (d6opu47qo14ee.cloudfront.net)|3.162.115.193:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 813 [binary/octet-stream]
Saving to: 'Dockerfile'

Dockerfile          100%[=====]     813 --.-KB/s   in 0s

2024-09-29 18:58:44 (156 MB/s) - 'Dockerfile' saved [813/813]

ubuntu@ip-172-31-87-132:/opt$ docker build -t helloworld .
[+] Building 10.6s (3/7)
= [internal] load build definition from Dockerfile
=> transferring dockerfile: 85B
=> WARN: MaintainerDeprecation: Maintainer instruction is deprecated in favor of using label (line 7)
=> [internal] load metadata for docker.io/library/openjdk:11
=> [internal] load .dockerignore
=> transferring context: 2B
=> [1/4] FROM docker.io/library/openjdk:11@sha256:99bac5bf83633e3c7399aed725c8415e7b569b54e03e4599e580fc9cdb7c21ab
=> resolve docker.io/library/openjdk:11@sha256:99bac5bf83633e3c7399aed725c8415e7b569b54e03e4599e580fc9cdb7c21ab
=> sha256:e1b7f317694b0f2ed993e014b04bc092501b9d4e1e130feecd4cd43c 1.79kB / 1.79kB
=> sha256:d9d4b9bce964657da49910b495173d8cf039b47e7b3b442713e92fd92723d165 5.16MB / 5.16MB
=> sha256:99bac5bf83633e3c7399aed725c8415e7b569b54e03e4599e580fc9cdb7c21ab 1.04kB / 1.04kB
=> sha256:47a932d99b5743b9b0cc055aafe077de9446e83c8a7dec935e5b8ce0fna7 6.26kB / 6.26kB
=> sha256:001c52e26ad7e1b043b571e7f88693ab7e9b2a95301176512791fbc317a2816a 10.88MB / 10.88MB
=> extracting sha256:001c52e26ad7e1b043b571e7f88693ab7e9b2a95301176512791fbc317a2816a 10.88MB / 10.88MB
=> extracting sha256:db38d58ec9ab4111b072f6700f97ba51985acd252aabce3b377ff25162ee68301 202.07MB / 202.07MB
=> sha256:66223a710990a0ae7162eed0417d30303afa3f24aafa57aa30348725e2230b 213B / 213B
=> sha256:9daef329d35093868ef75ac8b7c6eb07fa53abbcb3a264c218c2ec7bca716ea 54.58MB / 54.58MB
=> sha256:d95151f15b6683b98f213827ac545188b1819efb14a1049710ebc4692de3dd5 5.42MB / 5.42MB
=> extracting sha256:d9d4b9bce964657da49910b495173d8cf039b47e7b3b44273cf82fd32723d165
=> extracting sha256:2068746827ec1b043b571e4788693aa7e17b2ba95301176512791fbc317a2816a
=> extracting sha256:9daef329d5093868ef75ac8b7c6eb07fa53abbcb3a64c118c2ec7bca716ea
=> extracting sha256:d85151f15b6683b98f21c3827ac545188b1849ef14a1049710ebc4692de3dd5
=> extracting sha256:66223a710990a0ae7162eed0417d30303afa3f24aafa57aa30348725e2230b
=> extracting sha256:db38d58ec9ab4111b072f6700f97ba51985acd252aabce3b3e377ff25162ee68301
```

The terminal prompt shows the instance ID: `i-0b36d97b67e6e25c1 (Docker - TIO)`. The public IP is listed as `3.86.222.167` and the private IP as `172.31.87.132`.

Run command: **docker run -d -p 80:8080 helloworld**

Run command: **docker ps -a**

Launch AWS Academy Learner | Instances | EC2 | us-east-1 | EC2 Instance Connect

<https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-0b36d97b67e6e25c1&osUser=ubuntu®ion=us-east-1&sshPort=22#/>

Saving to: 'Dockerfile'

Dockerfile

100% [=====] 813 --.KB/s in 0s

2024-09-29 18:58:44 (156 MB/s) - 'Dockerfile' saved [813/813]

ubuntu@ip-172-31-87-132:/opt\$ docker build -t helloworld .

[+] Building 20.6s (8/8) FINISHED

=> [internal] load build definition from Dockerfile

=> => transferring dockerfile: 652B

=> [WARN: MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 7)]

=> [internal] load metadata for docker.io/library/openjdk:11

=> [internal] load .dockerignore

=> => transferring context: 2B

=> [1/4] FROM docker.io/library/openjdk:11@sha256:99bac5bf83633e3c7399aed725c8415e7b569b54e03e4599e580fc9cd8c21ab

=> => resolve docker.io/library/openjdk:11@sha256:99bac5bf83633e3c7399aed725c8415e7b569b54e03e4599e580fc9cd8c21ab

=> => sha256:81b7f317654b0f26d3993e014b04bc29250339b11de41e130feec3dc43c 1.79kB 1.79kB

=> => sha256:d9d4b9b69e64657da49910649513d4c4f0499cf7b3d644273cf82fd32733165 5.16MB 5.16MB

=> => sha256:99bac5bf83633e3c7399aed725c8415e7b569b54e03e4599e580fc9cd8c21ab 1.04kB 1.04kB

=> => sha256:47a932998b743b90bc00055aa3e77de94a5a183c8a67dec9d59b3c0e0faa7 6.26kB 6.26kB

=> => sha256:001c52e2ad5e7b5e5b25439ee0052f692e5c0f2d54982a0a8819ac65e521452 55.00MB 55.00MB

=> => sha256:2068746627eclb043b571e4788693eab7e9b2a9530176512791f8c317a2816 10.88MB 10.88MB

=> => extracting sha256:001c52e2ad5e7b5e5b25439ee0052f692e5c0f2d54982a0a8819ac65e521452

=> => sha256:8d858ec8ab411b072f6700f978a51985acd252aae3be377f251626e68301 202.07MB 202.07MB

=> => sha256:66223a10990a0e7162aaed0417d30303fa3f2e4aa5f7a30348752e2320b 213B 213B

=> => sha256:daef329d35093866e75ac8b7ce407fa3abcc03a264c18c2ec7bca716e5 54.58MB 54.58MB

=> => sha256:85151f15b6683b98f21c32827ac54518b1849efb141a09710c46922de3d5 5.42MB 5.42MB

=> => extracting sha256:9daef329d35093866e75ac8b7ce407fa3abcc03a264c18c2ec7bca716e5

=> => extracting sha256:2068746627eclb043b571e4788693eab7e9b2a9530176512791f8c317a2816

=> => extracting sha256:9daef329d35093866e75ac8b7ce407fa3abcc03a264c18c2ec7bca716e5

=> => extracting sha256:d5151f15b6683b98f21c32827ac54518b1849efb14a1049710ebc46922de3d5

=> => extracting sha256:66223a10990a0e7162aaed0417d30303fa3f24aaaf57a3a30348725e2230b

=> => extracting sha256:db38d58ec8ab411b072f6700f978a51985acd252aabce3be377f25162e68301

[2/4] RUN apt update && apt install -y wget && mkdir /opt/tomcat/

[3/4] RUN wget https://d6op7g0i4ee.cloudfront.net/tomcat/apache-tomcat-9.0.53.tar.gz && tar xvfz apache*.tar.gz && mv apache-tomcat-9.0.53/* /opt/tomcat/. && cd /opt/tomcat/webapps && wget https://d6op

[4/4] WORKDIR /opt/tomcat/webapps

=> exporting to image

=> exporting layers

=> writing image sha256:501d5eefc0f43361d238fba42118c69973aa696b1de10abafe6e863e8b822aa

=> => naming to docker.io/library/helloworld

- MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 7)

ubuntu@ip-172-31-87-132:/opt\$ docker run -d -p 80:8080 helloworld

ubuntu@ip-172-31-87-132:/opt\$ docker ps -a

i-0b36d97b67e6e25c1 (Docker - TIO)

Public IPs: 3.86.222.167 Private IPs: 172.31.87.132

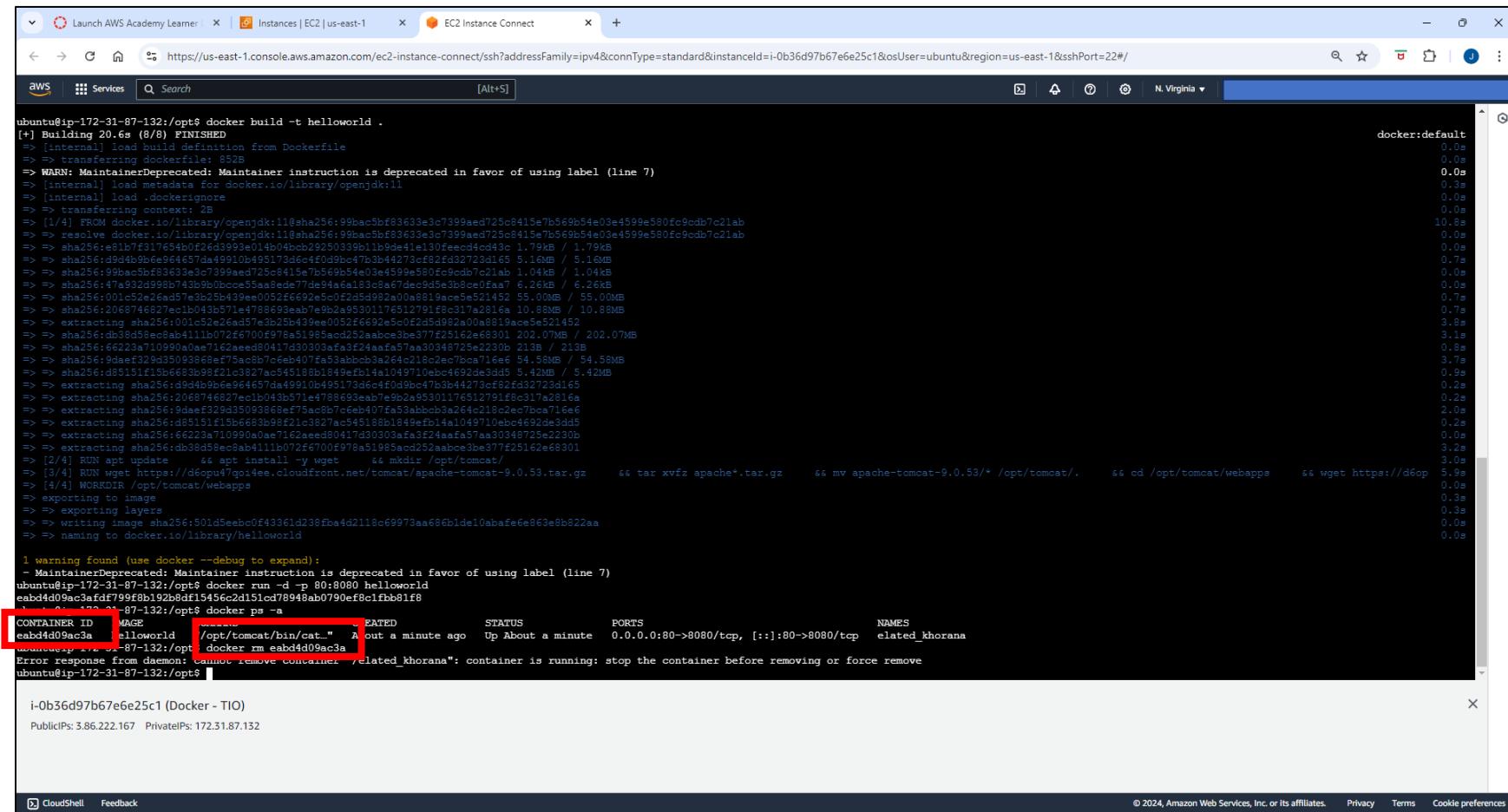
CloudShell Feedback

© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preference

Run command: **docker rm eabd4d09ac3a** [container ID]

eabd4d09ac3a is the Container ID

Output: Error response from daemon: cannot remove container “elated_khorana”: container is running:



```
ubuntu@ip-172-31-87-132:/opt$ docker build -t helloworld .
[+] Building 20.6s (8/8) FINISHED
=> [internal] load build definition from Dockerfile
=> transferring Dockerfile: 852B
=> [internal] load metadata for docker.io/library/openjdk:11
=> [internal] load .dockerrigore
=> [internal] load context: 2B
[1/4] FROM docker.io/library/openjdk:11@sha256:99bac5bf83633e3c7399aed725c8415e7b569b54e03e4599e580fc9cdb7c2lab
=> [internal] resolve docker.io/library/openjdk:11@sha256:99bac5bf83633e3c7399aed725c8415e7b569b54e03e4599e580fc9cdb7c2lab
=> sha256:618f7f317654bf26d3993e014b04bcb9250339b1b9de1e130ffeedc4cd3c1 1.79K / 1.79K
=> sha256:d9db9b6e964657da49910b495173dc64f0d9b47b3b44273cf82d2723d165 5.16MB / 5.16MB
=> sha256:c9223a799ac3b7399ed725c8415e7b569b54e03e4599e580fc9cdb7c2lab 1.04Kb / 1.04Kb
=> sha256:47a932d99bb743b9b0cc55aaedc77de94a6583c8a7dec9d5e3b8ce0faa7 6.26KB / 6.26KB
=> sha256:2068746527e1cb043b571e788e93eab7e9b2a95301176512791f8c317'a2816a 10.88MB / 10.88MB
=> sha256:extracting sha256:001c52e26ad57e3b25b39ee0052f6692e5c0f2d598a0m8819ace5e521452
=> sha256:extracting sha256:001c52e26ad57e3b25b39ee0052f6692e5c0f2d598a0m8819ace5e521452
=> sha256:db38d58ec9ab4111b072f6700f78a51985acd52aabe3b3e377f25162ee68301 202.07MB / 202.07MB
=> sha256:66223a710990a0m7162eed80417d30303afa324aaafa57aa30348725e2230b 213B / 213B
=> sha256:9daef32d935093868ef75ac8b7c6eb07fa53abbcb3a264c218c2ec7bca716e6 54.58MB / 54.58MB
=> sha256:d9151f15b6683b98f21c3827ac545189b189efb14a1049710eb4492de3dd5 5.42MB / 5.42MB
=> extracting sha256:9daef32d935093868ef75ac8b7c6eb07fa53abbcb3a264c218c2ec7bca716e6
=> extracting sha256:043b571e4788e93eab7e9b2a95301176512791f8c317'a2816a
=> extracting sha256:9daef32d5093868ef75ac8b7c6eb07fa53abbcb3a264c218c2ec7bca716e6
=> extracting sha256:043b571e4788e93eab7e9b2a95301176512791f8c317'a2816a
=> extracting sha256:66223a710990a0m7162eed80417d30303afa324aaafa57aa30348725e2230b
=> extracting sha256:db38d58ec9ab4111b072f6700f978a51985acd52aabe3b3e377f25162ee68301
[2/4] RUN apt update && apt install && wget && mkdir /opt/tomcat/
=> [3/4] RUN wget https://d6copu7qoi4ee.cloudfront.net/tomcat/apache-tomcat-9.0.53.tar.gz && tar xvfz apache*.tar.gz && mv apache-tomcat-9.0.53/* /opt/tomcat/. && cd /opt/tomcat/webapps && wget https://d6op
=> [4/4] WORKDIR /opt/tomcat/webapps
=> exporting to image
=> exporting layers
=> writing image sha256:501d5eabc0f43361d2388fb4d2118c69973aa686b1de10abafe6e863e8b822aa
=> naming to docker.io/library/helloworld

1 warning found (use docker --debug to expand):
- MaintainerDeprecation: Maintainer instruction is deprecated in favor of using label (line 7)
ubuntu@ip-172-31-87-132:~$ docker run -d -p 80:8080 helloworld
eabd4d09ac3a:1f79af6bf192b8df15456c2d151cd78948ab0790ef8c1fb81f8
ubuntu@ip-172-31-87-132:~$ docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS               NAMES
eabd4d09ac3a        helloworld         "/opt/tomcat/bin/cat"   About a minute ago   Up About a minute   0.0.0.0:80->8080/tcp, [::]:80->8080/tcp   elated_khorana
ubuntu@ip-172-31-87-132:~$ docker rm eabd4d09ac3a
Error response from daemon: cannot remove container "elated_khorana": container is running: stop the container before removing or force remove
ubuntu@ip-172-31-87-132:~$
```

i-0b36d97b67e6e25c1 (Docker - TIO)
PublicIPs: 3.86.222.167 PrivateIPs: 172.31.87.132

CloudShell Feedback

© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Run command: **docker rmi helloworld [image ID]**

Output: Error response from daemon: conflict: unable to remove repository reference "helloworld" (must force) – container eabd4d09ac3a is using its referenced image 501d5eebcf4

```
Launch AWS Academy Learner x Instances | EC2 | us-east-1 x EC2 Instance Connect x https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-0b36d97b67e6e25c1&osUser=ubuntu&region=us-east-1&sshPort=22#/ Search N. Virginia docker:default [+ Building 0.6s (8/8) FINISHED => [internal] load build definition from Dockerfile => transferring dockerfile: 852B => WARN: MaintainerDeprecation: Maintainer instruction is deprecated in favor of using label (line 7) => [internal] load metadata for docker.io/library/openjdk:11 => [internal] load, dockerignore => => transferring context: 2B => [1/4] FROM docker.io/library/openjdk:11@sha256:00ac5bf83633e3c7399aed725c8415e7b569b54a03e4599e580fc9cd87c21ab => => resolv docker.io/library/openjdk:11@sha256:00ac5bf83633e3c7399aed725c8415e7b569b54a03e4599e580fc9cd87c21ab => sha256:81bf717454bf2fd3939e114b4b4c29250339b11b9e4130feec4dc40b7c1ab 1.79kB / 1.79kB => sha256:92d49b6e94657af9910b495136c4f0d9b7399aed725c8415e7b569b54a03e4599e580fc9cd87c21ab 5.14kB / 5.14kB => sha256:99ha5bf03633e3c7399aed725c8415e7b569b54a03e4599e580fc9cd87c21ab 1.04kB / 1.04kB => sha256:99ha5bf03633e3c7399aed725c8415e7b569b54a03e4599e580fc9cd87c21ab 6.26kB / 6.26kB => sha256:001c52e2a6d57e25b25b39ee0052f669245c02d251982a0a88193aee5e521452 55.00MB / 55.00MB => sha256:026746527ec0b143b593ab7e9b29530117651279128c317a216a 10.88MB / 10.88MB => extracting sha256:901e5e26ad57e2b3b5a43b80052f669245c02d251982a0a88193aee5e521452 => sha256:9b3845bca8411b072f6700978a51985acd452aa0cc3be377f25122a6f301 202.07MB / 202.07MB => sha256:7109090a1e12aaed80417303030fa3f24aa557ea30348725e2330b 21.38MB / 21.38MB => sha256:9def309a39093869e7f5a5b7c6ed407faa5b0b3c2a24c18c2ec7bae716ee 54.58MB / 54.58MB => sha256:08515151b663598f21c3c2a4c519b10497109bc4693ebedad5 5.42MB / 5.42MB => extracting sha256:d9d4b9bfe9646571a495173d6c4f0d9b4c7b53d4173cf82d32723d165 => extracting sha256:206746527ec0b143b593ab7e9b29530117651279128c317a216a => extracting sha256:9aef329d55093868ef7e8a87ceeb4f7e53abbcb3a2d4c218c2ec7bca716ee => extracting sha256:81551f15b67e3b99f21c3c2a49efeb14a1049710868c4692ae3dd5 => extracting sha256:6223a10990a0ae1e12aaed80417d303030fa3f24aaaf57aa30348725e2230b => extracting sha256:db98d58ec8ab111b072f6700f978a51985acd252aabce3b837f25162e68301 => [2/4] RUN apt update && apt install -y wget && mkdir /opt/tomcat/ => [3/4] RUN wget https://dlc6pu47qoi4e.cloudflare.net/tomcat/apache-tomcat-9.0.53.tar.gz && tar xvzf apache*.tar.gz && mv apache-tomcat-9.0.53/* /opt/tomcat/. && cd /opt/tomcat/webapps && wget https://dlc6pu47qoi4e.cloudflare.net/tomcat/apache-tomcat-9.0.53/WEB-INF/classes/ && rm -rf /opt/tomcat/webapps/WEB-INF/classes/ => [4/4] WORKDIR /opt/tomcat/webapps => exporting to image => exporting layers =>> writing image sha256:501d5eebc0f43361d238fb4d2118c69973aa686bd1e0abafe6e863e8b822aa =>> naming to docker.io/library/helloworld

1 warning found (use docker --debug to expand):
- MaintainerDeprecation: Maintainer instruction is deprecated in favor of using label (line 7)
ubuntu@ip-172-31-87-132:~/opt$ docker run -d -p 80:8080 helloworld
eabd4d09ac3a$afdf799f8b192b8df15456c2d151cd7894ab0790ef8c1fb81f8
ubuntu@ip-172-31-87-132:~/opt$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
eabd4d09ac3a helloworld "/opt/tomcat/bin/cat..." About a minute ago Up About a minute 0.0.0.0:80->8080/tcp, [::]:80->8080/tcp elated_khorana
ubuntu@ip-172-31-87-132:~/opt$ docker rm eabd4d09ac3a
error Response from daemon: cannot remove container 'elated_khorana': container is running: stop the container before removing or force remove
ubuntu@ip-172-31-87-132:~/opt$ docker rmi helloworld
Error response from daemon: conflict: unable to remove repository reference "helloworld" (must force) - container eabd4d09ac3a is using its referenced image 501d5eebc0f4
ubuntu@ip-172-31-87-132:~/opt$ 
```

Run command: **docker build -t elated_khorana [image name without spaces]**

Output: **ERROR: 'docker buildx build --help'**.

Usage: docker buildx build [OPTIONS] PATH | URL | -

Start a build

```
Launch AWS Academy Learner Instances | EC2 us-east-1 EC2 Instance Connect https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-0b36d97b67e6e25c1&osUser=ubuntu&region=us-east-1&sshPort=22#/ [Alt+S]
[1/4] FROM docker.io/library/openjdk:11@sha256:99bac5bf83633e3c7399aed725c8415e7b569b54e03e4599e580fc9cd57c2lab
=> resolve docker.io/library/openjdk:11@sha256:99bac5bf83633e3c7399aed725c8415e7b569b54e03e4599e580fc9cd57c2lab
=> sha256:e91b7f317654b0f2ed3993e014b04bcb9250339a11b9a011e130fecc4cd3c 1.79kB / 1.79kB
=> sha256:d9d4b9b6e964657da49910b495173dc64f0d9b-47b3b44273cf2fd32723d165 5.16MB / 5.16MB
=> sha256:99bac5bf83633e3c7399aed725c8415e7b569b54e03e4599e580fc9cd7c21ab 1.04kB / 1.04kB
=> sha256:4fa932d99b6743b9b0cce55aafecd7de4a6183c8a67dec9d5e3b8ce0faa7 6.26kB / 6.26kB
=> sha256:001c5e26ad7c5b25b439e0f2d25d982a00a819ace5e521452 55.00MB / 55.00MB
=> sha256:206b746527e1b043b571e788e93eab7e9b2a95301176512791fbc317a2816 10.88MB / 10.88MB
=> sha256:extracting sha256:001c5e26ad7c5b25b39e0f2d25d982a00a819ace5e521452
=> sha256:extracting sha256:001c5e26ad7c5b25b39e0f2d25d982a00a819ace5e521452
=> sha256:db38d58ec5a611b0726700f78a51985acd25a2bce3c77f2f5162e68301 202.07MB / 202.07MB
=> sha256:66223a710990a0ae7162eed8d0417d30303afa3f24aaafa57aa30348725e2230b 213B / 213B
=> sha256:9daef2292d35093868e75ac9b7c6eb07f2a53abbcb3a2842182e2c7bca716e6 54.58MB / 54.58MB
=> sha256:d9515f15b6683b98f21c3527ac545188b1849efb14a1049710ebc4692de3dd5 5.42MB / 5.42MB
=> sha256:extracting sha256:d9d4b9b6e964657da49910b495173dc64f0d9b0c47b3b44273cf2fd32723d165
=> sha256:extracting sha256:d9d4b9b6e964657da49910b495173dc64f0d9b0c47b3b44273cf2fd32723d165
=> sha256:extracting sha256:9d9aef2293d56093868ef75ac9b7c6eb07f2a53abbcb3a2842182e2e7bca716e6
=> sha256:extracting sha256:9d9aef2293d56093868ef75ac9b7c6eb07f2a53abbcb3a2842182e2e7bca716e6
=> sha256:extracting sha256:db38d58ec8ab411b0726700f78a51985acd25a2bce3b377f2f5162e68301
[2/4] RUN apt update && apt install -y wget && mkdir /opt/tomcat/
[3/4] RUN wget https://d6cop47goi4ee.cloudfront.net/tomcat/apache-tomcat-9.0.53.tar.gz && tar xvzf apache*.tar.gz && mv apache-tomcat-9.0.53/* /opt/tomcat/. && cd /opt/tomcat/webapps && wget https://d6op
[4/4] WORKDIR /opt/tomcat/webapps
=> exporting to image
=> exporting layers
=> writing image sha256:501d5eebc0f43361d238fbba42118c69973a686b1de10abafe6e863a8b822aa
=> naming to docker.io/library/helloworld

1 warning found (use docker --debug to expand):
- MaintainerDeprecation: Maintainer instruction is deprecated in favor of using label (line 7)
ubuntu@ip-172-31-87-132:/opt$ docker run -d -p 80:8080 helloworld
eabd4d09ac3afdf790f0b192b8df15456c2d151cd78948ab07904f8c1fb80f8
ubuntu@ip-172-31-87-132:/opt$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
eabd4d09ac3a helloworld " /opt/tomcat/bin/cat" About a minute ago Up About a minute 0.0.0.0:80->8080/tcp, [:]:80->8080/tcp elated_khorana
ubuntu@ip-172-31-87-132:/opt$ docker rm eabd4d09ac3a
Error response from daemon: cannot remove container "/elated_khorana": container is running: stop the container before removing or force remove
ubuntu@ip-172-31-87-132:/opt$ docker rm helloworld
ubuntu@ip-172-31-87-132:/opt$ docker build -t elated_khorana
ERROR: "docker buildx build" requires exactly 1 argument.
See 'docker buildx build --help'.

Usage: docker buildx build [OPTIONS] PATH | URL | -
Start a build
ubuntu@ip-172-31-87-132:/opt$
```

i-0b36d97b67e6e25c1 (Docker - TIO)
PublicIPs: 3.86.222.167 PrivateIPs: 172.31.87.132

CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Run command: **docker stop eab** [first 3 characters of container ID]

Output: **eab**

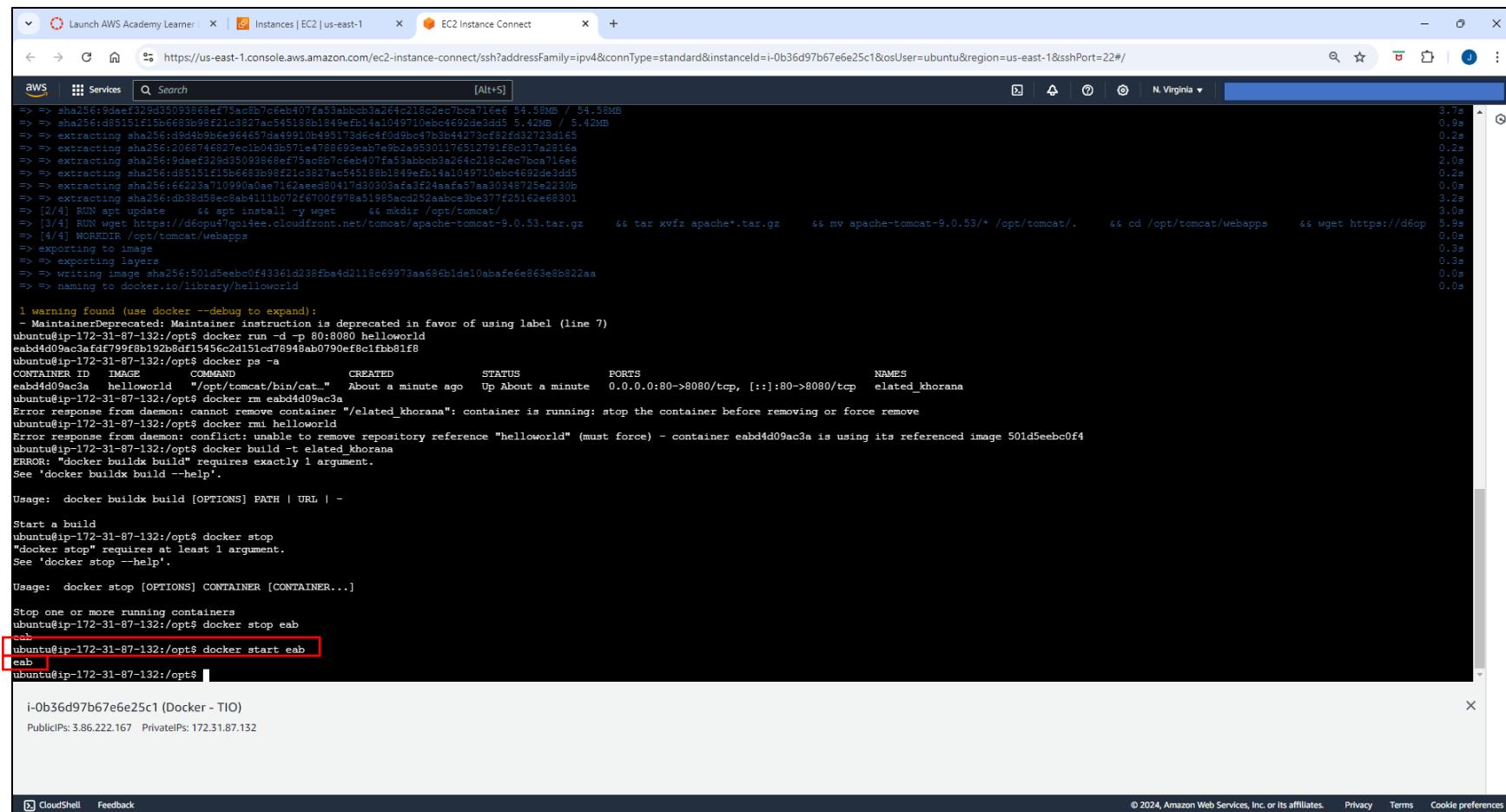
```
Launch AWS Academy Learner | Instances | EC2 | us-east-1 | EC2 Instance Connect
https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-0b36d97b67e6e25c1&osUser=ubuntu&region=us-east-1&sshPort=22#/
```

```
aws Services Search [Alt+S]
[Alt+S] sha256:db38a58ec8a8a411b072f6700f978a51985acd252aabce3be377f25162e68301 202.07MB / 202.07MB
=> sha256:66223a710990a0ea7162eed90417d30303afaf24aaef57a30349725e2230b 213b / 213b
=> sha256:9daef329d350938e6ef75ac8b7c6eb40fffa53abbcc3a264c218c2ec7bca716ee5 54.58MB / 54.58MB
=> sha256:d5151f15b6683b98f21c3827a545188b1849fb14x1049710abc4e92de3dd5 5.42MB / 5.42MB
=> extracting sha256:9daef329d350938e6ef75ac8b7c6eb40fffa53abbcc3a264c218c2ec7bca716ee5 3.1s
=> extracting sha256:206874a827ec1b043b571e1e78b8e99eab7e9b2a95301176512791f8c317a2816a 0.8s
=> extracting sha256:9daef329d350938e6ef75ac8b7c6eb40fffa53abbcc3a264c218c2ec7bca716ee5 3.7s
=> extracting sha256:c85151f15b6683b98f21c3827a545188b1849fb14a1049710abc4e92de3dd5 0.9s
=> extracting sha256:66223a710990a0ea7162eed90417d30303afaf24aaef57a30349725e2230b 0.2s
=> extracting sha256:db38a58ec8a8a411b072f6700f978a51985acd252aabce3be377f25162e68301 2.0s
=> [2/4] RUN apt update && apt install -y wget && mkdir /opt/tomcat/
=> [3/4] RUN wget https://d6opu47goi4ee.cloudfront.net/tomcat/apache-tomcat-9.0.53.tar.gz && tar xvzf apache*.tar.gz && mv apache-tomcat-9.0.53/* /opt/tomcat/. && cd /opt/tomcat/webapps && wget https://d6opu47goi4ee.cloudfront.net/tomcat/apache-tomcat-9.0.53/webapps/manager/WEB-INF/classes/META-INF/context.xml
=> [4/4] WORKDIR /opt/tomcat/webapps
=> exporting to image
=> exporting layers
=> writing image sha256:501d5eebc0f43361d238fba4d2118c69973aa686b1de10abafe6e863e8b822aa
=> naming to docker.io/library/helloworld
warning found (use docker --debug to expand):
- MaintainerDeprecation: Maintainer instruction is deprecated in favor of using label (line 7)
ubuntu@ip-172-31-87-132:/opt/tomcat/bin/cat
eabd4d09ac3afdf799f8b192b8df15456cd151cd78948ab08c1fb81f8
ubuntu@ip-172-31-87-132:/opt/tomcat/bin/cat
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
eabd4d09ac3a helloworld "/opt/tomcat/bin/cat" About a minute ago Up About a minute 0.0.0.0:80->8080/tcp, [:]:80->8080/tcp elated_khorana
ubuntu@ip-172-31-87-132:/opt/tomcat/bin/cat
Error response from daemon: cannot remove container "elated_khorana": container is running: stop the container before removing or force remove
ubuntu@ip-172-31-87-132:/opt/tomcat/bin/cat
Error response from daemon: conflict: unable to remove repository reference "helloworld" (must force) - container eabd4d09ac3a is using its referenced image 501d5eebc0f4
ubuntu@ip-172-31-87-132:/opt/tomcat/bin/cat
ERROR: "docker buildx build" requires exactly 1 argument.
See 'docker buildx build --help'.
Usage: docker buildx build [OPTIONS] PATH | URL | -
Start a build
ubuntu@ip-172-31-87-132:/opt/tomcat/bin/cat
"docker stop" requires at least 1 argument.
See 'docker stop --help'.
Usage: docker stop [OPTIONS] CONTAINER [CONTAINER...]
Stop one or more running containers
ubuntu@ip-172-31-87-132:/opt/tomcat/bin/cat
eab
ubuntu@ip-172-31-87-132:/opt/tomcat/bin/cat
i-0b36d97b67e6e25c1 (Docker - TIO)
Public IPs: 3.86.222.167 Private IPs: 172.31.87.132
```

CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Run command: **docker start eab** [first 3 characters of container ID]

Output: **eab**



```
Launch AWS Academy Learner | Instances | EC2 | us-east-1 | EC2 Instance Connect
https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-0b36d97b67e6e25c1&osUser=ubuntu&region=us-east-1&sshPort=22#/

aws Services Search [Alt+S]
[Alt+S]

=> sha256:9daef329d35093869ef75ac8b7c6eb407fa53abccb3a264c218c2ec7bca716ee6 54.58MB / 54.58MB
=> sha256:d9d4b9be964657da49910b495173dc4f0d9bc47b3b44273cfc82fd32723d1e5
=> extracting sha256:2068746927ec1b043b571a4789e99seb7eb5b9a5301176512791f8c317a2816a
=> extracting sha256:9daef329d35093869ef75ac8b7c6eb407fa53abccb3a264c218c2ec7bca716ee6
=> extracting sha256:c85151f15b6683b98f21c3827ac545188b1849efb14a1049710b492de3dd5
=> extracting sha256:66223a710990aae7162aeed80417d30303aaef1f24aafaf57aa30348725e2230b
=> extracting sha256:b38d8e8c0ab411bb072f6700f978a51985acd252aa8oe3be377f25162e68301
[2/4] RUN apt update && apt install -y wget && mkdir /opt/tomcat/
[3/4] RUN wget https://d6cpw47go4ee.cloudfront.net/tomcat/apache-tomcat-9.0.53.tar.gz && tar xvzf apache*.tar.gz && mv apache-tomcat-9.0.53/* /opt/tomcat/. && cd /opt/tomcat/webapps && wget https://d6cpw47go4ee.cloudfront.net/tomcat/apache-tomcat-9.0.53/manager/html/index.html
[4/4] WORKDIR /opt/tomcat/webapps
=> exporting to image
=> exporting layers
=> writing image sha256:501d5eebc0f43361d238fba4d2118c69973aa686b1de10abafe6e863e8b822aa
=> naming to docker.io/library/helloworld

1 warning found (use docker --debug to expand):
- MaintainerDeprecation: Maintainer instruction is deprecated in favor of using label (line 7)
ubuntu@ip-172-31-87-132:/opt$ docker run -d -p 80:8080 helloworld
eabd4d09ac3afdf799fb0b192b8df15456c2d151cd7894b8ab0790fc81fb881f8
ubuntu@ip-172-31-87-132:/opt$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
eabd4d09ac3a helloworld "/opt/tomcat/bin/cat" About a minute ago Up About a minute 0.0.0.0:80->8080/tcp, [:]:80->8080/tcp elated_khorana
ubuntu@ip-172-31-87-132:/opt$ docker rm eabd4d09ac3a
Error response from daemon: cannot remove container "elated_khorana": container is running: stop the container before removing or force remove
ubuntu@ip-172-31-87-132:/opt$ docker rm helloworld
Error response from daemon: conflict: unable to remove repository reference "helloworld" (must force) - container eabd4d09ac3a is using its referenced image 501d5eebc0f4
ubuntu@ip-172-31-87-132:/opt$ docker build -t elated_khorana
ERROR: "docker buildx build" requires exactly 1 argument.
See 'docker buildx build --help'.

Usage: docker buildx build [OPTIONS] PATH | URL |
Start a build
ubuntu@ip-172-31-87-132:/opt$ docker stop
"docker stop" requires at least 1 argument.
See 'docker stop --help'.

Usage: docker stop [OPTIONS] CONTAINER [CONTAINER...]
Stop one or more running containers
ubuntu@ip-172-31-87-132:/opt$ docker stop eab
eab
ubuntu@ip-172-31-87-132:/opt$ docker start eab
eab
ubuntu@ip-172-31-87-132:/opt$ i-0b36d97b67e6e25c1 (Docker - TIO)
PublicIPs: 3.86.222.167 PrivateIPs: 172.31.87.132

CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences
```

Copy public IP address

The screenshot shows the AWS EC2 Instances page. On the left, the navigation menu is visible, including 'Instances' under 'Instances' and 'Public IPv4 address copied' under 'Networking'. In the main content area, a table lists one instance: 'Docker - TIO' (Instance ID: i-0b36d97b67e6e25c1). The 'Networking' tab is selected, showing details like Public IP: 3.86.222.167 and Private IP: 172.31.87.132. A red box highlights the copied Public IP address '3.86.222.167 | open address'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4	Elastic IP	IPv6 IPs	Monit
Docker - TIO	i-0b36d97b67e6e25c1	Running	t2.small	2/2 checks passed	View alarms	us-east-1a	ec2-3-86-222-167.com...	3.86.222.167	-	-	disabled

Public IPv4 address copied

3.86.222.167 | [open address](#)

Private IPv4 addresses
172.31.87.132

Public IPv4 DNS
ec2-3-86-222-167.compute-1.amazonaws.com | [open address](#)

Elastic IP addresses
-

AWS Compute Optimizer finding
[Opt-in to AWS Compute Optimizer for recommendations.](#) | [Learn more](#)

Auto Scaling Group name
-

Paste **public IP address** in new web browser tab to view the Apache Tomcat web home page

Not secure http://3.86.222.167

Apache Tomcat/9.0.53

If you're seeing this, you've successfully installed Tomcat. Congratulations!

Recommended Reading:

- [Security Considerations How-To](#)
- [Manager Application How-To](#)
- [Clustering/Session Replication How-To](#)

Developer Quick Start

- [Tomcat Setup](#)
- [First Web Application](#)
- [Realms & AAA](#)
- [JDBC DataSources](#)
- [Examples](#)
- [Servlet Specifications](#)
- [Tomcat Versions](#)

Managing Tomcat

For security, access to the [manager webapp](#) is restricted. Users are defined in: `$CATALINA_HOME/conf/tomcat-users.xml`

In Tomcat 9.0 access to the manager application is split between different users. [Read more...](#)

[Release Notes](#)

[Changelog](#)

[Migration Guide](#)

[Security Notices](#)

Documentation

- [Tomcat 9.0 Documentation](#)
- [Tomcat 9.0 Configuration](#)
- [Tomcat Wiki](#)

Find additional important configuration information in: `$CATALINA_HOME RUNNING.txt`

Developers may be interested in:

- [Tomcat 9.0 Bug Database](#)
- [Tomcat 9.0 JavaDocs](#)
- [Tomcat 9.0 Git Repository at GitHub](#)

Getting Help

[FAQ and Mailing Lists](#)

The following mailing lists are available:

- [tomcat-announce](#) Important announcements, releases, security vulnerability notifications. (Low volume.)
- [tomcat-users](#) User support and discussion
- [taglibs-user](#) User support and discussion for [Apache Taglibs](#)
- [tomcat-dev](#) Development mailing list, including commit messages

Other Downloads

- [Tomcat Connectors](#)
- [Tomcat Native](#)
- [Taglibs](#)
- [Deployer](#)

Other Documentation

- [Tomcat Connectors](#)
- [mod_jk Documentation](#)
- [Tomcat Native](#)
- [Deployer](#)

Get Involved

- [Overview](#)
- [Source Repositories](#)
- [Mailing Lists](#)
- [Wiki](#)

Miscellaneous

- [Contact](#)
- [Legal](#)
- [Sponsorship](#)
- [Thanks](#)

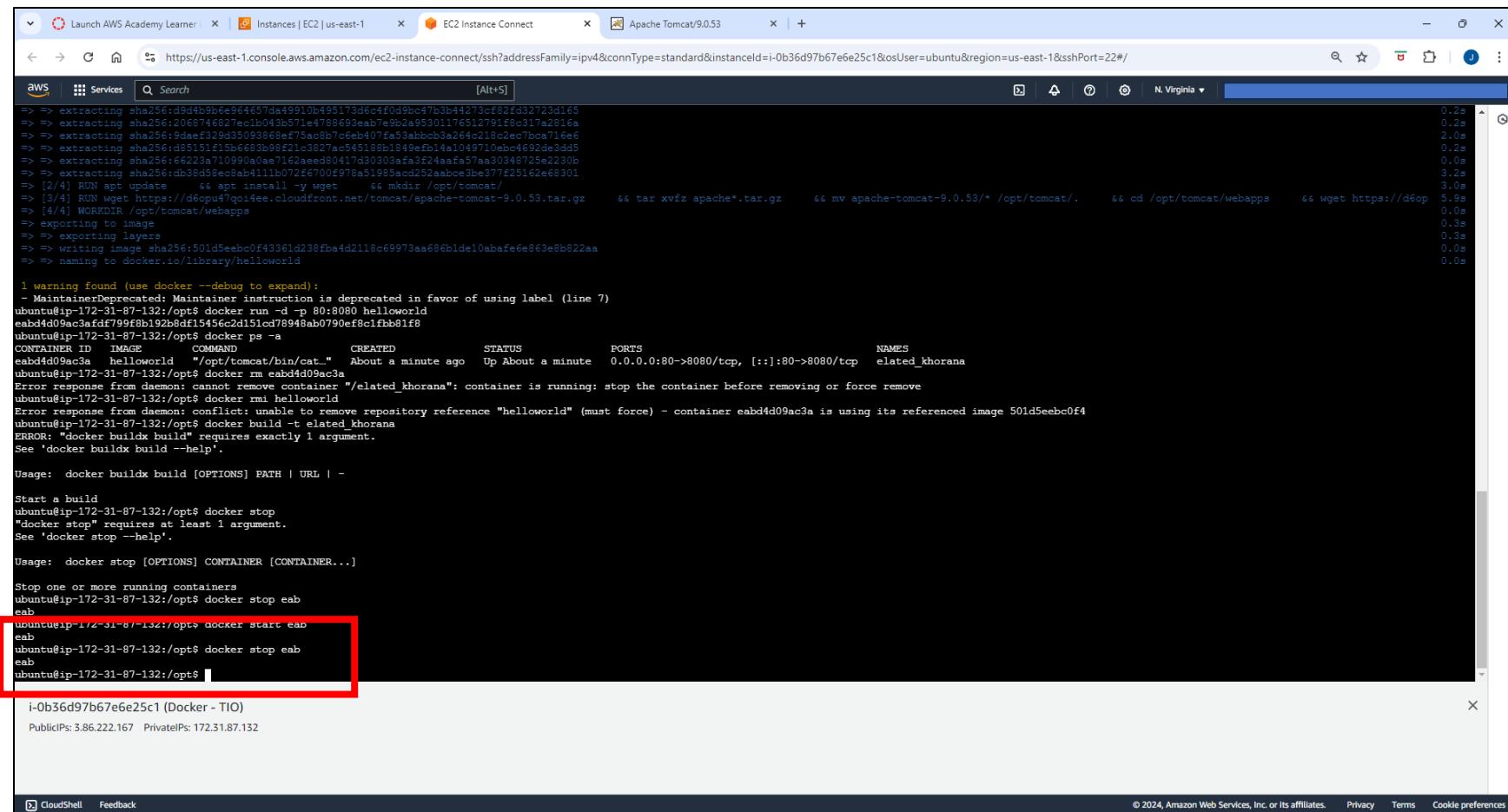
Apache Software Foundation

- [Who We Are](#)
- [Heritage](#)
- [Apache Home](#)
- [Resources](#)

Copyright ©1999-2024 Apache Software Foundation. All Rights Reserved

Run command: **docker stop eab** [first 3 characters of container ID]

Output: **eab**



```
Launch AWS Academy Learner | Instances | EC2 | us-east-1 | EC2 Instance Connect | Apache Tomcat/9.0.53
https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-0b36d97b67e6e25c1&osUser=ubuntu&region=us-east-1&sshPort=22#/

aws Services Search [Alt+S]
[Alt+S]

=> => extracting sha256:d9d4bb5be964657da49910b495173d6c4f0d9bc47b3b44273cf82fd32723d165
=> => extracting sha256:9daef329d3509388ef75ac8b7feeb407fa53ahbcba264c218c2ec7bca71ee6
=> => extracting sha256:d85151f15h6e83b98f21c3827ac545188b1849efb14a1049710ebc4692de3d5
=> => extracting sha256:e6223a710990aae7162aeed80417d30303afa3f74aafaf57aa30348725e2230b
=> => extracting sha256:db38d59ec8ab411b702f6700f978a51985acd252aabce3be377ff25162e68301
[2/4] RUN apt update && apt install -y wget && mkdir /opt/tomcat/
[3/4] RUN wget https://d6opuf7goitee.cloudfront.net/tomcat/apache-tomcat-9.0.53.tar.gz && tar xvfz apache*.tar.gz && mv apache-tomcat-9.0.53/* /opt/tomcat/. && cd /opt/tomcat/webapps && wget https://d6op
[4/4] WORERDIR /opt/tomcat/webapps
=> exporting to image
=> exporting layers
=> writing image sha256:501d5eebc0f43361d238fba4d2118c69973aa686b1de10abafe6e863e8b822aa
=> naming to docker.io/library/helloworld

1 warning found (use docker --debug to expand):
- MaintainerDeprecation: Maintainer instruction is deprecated in favor of using label (line 7)
ubuntu@ip-172-31-87-132:/opt$ docker run -d -p 80:8080 helloworld
eabd4d09ac3afdf799t8b192b8df15456c2d151cd78948ab0790ef8c1fb81f8
ubuntu@ip-172-31-87-132:/opt$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
eabd4d09ac3a helloworld "/opt/tomcat/bin/cat" About a minute ago Up About a minute 0.0.0.0:80->8080/tcp, [:]:80->8080/tcp elated_khorana
ubuntu@ip-172-31-87-132:/opt$ docker rm eabd4d09ac3a
Error response from daemon: cannot remove container "elated_khorana": container is running: stop the container before removing or force remove
ubuntu@ip-172-31-87-132:/opt$ docker rm helloworld
Error response from daemon: conflict: unable to remove repository reference "helloworld" (must force) - container eabd4d09ac3a is using its referenced image 501d5eebc0f4
ubuntu@ip-172-31-87-132:/opt$ docker build -t elated_khorana
ERROR: "docker buildx build" requires exactly 1 argument.
See 'docker buildx build --help'.

Usage: docker buildx build [OPTIONS] PATH | URL | -
Start a build
ubuntu@ip-172-31-87-132:/opt$ docker stop
"docker stop" requires at least 1 argument.
See 'docker stop --help'.

Usage: docker stop [OPTIONS] CONTAINER [CONTAINER...]
Stop one or more running containers
ubuntu@ip-172-31-87-132:/opt$ docker stop eab
eab
ubuntu@ip-172-31-87-132:/opt$ docker start eab
eab
ubuntu@ip-172-31-87-132:/opt$ docker stop eab
eab
ubuntu@ip-172-31-87-132:/opt$ [REDACTED]

i-0b36d97b67e6e25c1 (Docker - TIO)
PublicIPs: 3.86.222.167 PrivateIPs: 172.31.87.132

CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences
```

Run command: **docker rm eab** [container ID]

Return to Instances

Select **checkbox** to left of Docker-TIO running Instance

Select **Instance state** dropdown

Select **Terminate (delete) instance**

The screenshot shows the AWS EC2 Instances page. On the left, there's a navigation sidebar with options like EC2 Dashboard, Instances, Images, Elastic Block Store, Network & Security, Load Balancing, CloudShell, and Feedback. The main area shows a table of instances. A specific instance, "Docker - TIO" (i-0b36d97b67e6e25c1), is selected, indicated by a red box around its row in the table. The "Actions" dropdown menu for this instance is also highlighted with a red box. The "Terminate (delete) instance" option in the dropdown is specifically highlighted with another red box. The instance details page for "i-0b36d97b67e6e25c1 (Docker - TIO)" is visible at the bottom, showing various configuration details.

Select **Terminate (delete)** to confirm termination

The screenshot shows the AWS Management Console interface for the EC2 service. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, and various instance-related options like Instances, Images, and Network & Security. The main content area displays a table of instances, with one row selected for termination. A modal dialog titled "Terminate (delete) instance?" is open over the instance details page. The dialog includes a warning message about EBS-backed instances, a question asking if the user is sure, and a table showing the instance ID (i-0b36d97b67e6e25c1) and its termination protection status (Disabled). A large red box highlights the "Terminate (delete)" button at the bottom right of the dialog.

Instances (1/1) info

Find Instance by attribute or tag (case-sensitive)

All states

Name Instance ID Instance state Instance type Status check Alarm status Availability Zone Public IPv4 DNS Public IPv4 Elastic IP IPv6 IPs Mon.

Docker - TIO i-0b36d97b67e6e25c1 Running t2.small 2/2 checks passed View alarms us-east-1a ec2-3-86-222-167.com... 3.86.222.167 - - disabled

Terminate (delete) instance?

On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost.

Are you sure you want to terminate these instances?

Instance ID	Termination protection
i-0b36d97b67e6e25c1 (Docker - TIO)	Disabled

To confirm that you want to delete the instances, choose the terminate button below. Instances with termination protection enabled will not be terminated. Terminating the instance cannot be undone.

Cancel Terminate (delete)

Instance ID: i-0b36d97b67e6e25c1 (Docker - TIO)

Details Status and alarms Monitoring Security Network

Instance summary: Info

Instance ID: i-0b36d97b67e6e25c1 (Docker - TIO)

IPv6 address: -

Hostname type: IP name: ip-172-31-87-132.ec2.internal

Answer private resource DNS name: IPv4 (A):

Auto-assigned IP address: 3.86.222.167 [Public IP]

IAM Role: -

Instance state: Running

Private IP DNS name (IPv4 only): ip-172-31-87-132.ec2.internal

Instance type: t2.small

VPC ID: vpc-036f3ccf42520a6da

Subnet ID: -

Elastic IP addresses: -

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

Auto Scaling Group name: -

© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Instance state: Terminated

The screenshot shows the AWS EC2 Instances page. A green banner at the top indicates "Successfully initiated termination (deletion) of i-0b36d97b67e6e25c1". The main table displays one instance:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6 IPs	Monit...
Docker - TIO	i-0b36d97b67e6e25c1	Terminated	t2.small	-	View alarms +	us-east-1a	-	-	-	-	disab...

The "Instance state" column is highlighted with a red box. Below the table, the specific instance details are shown:

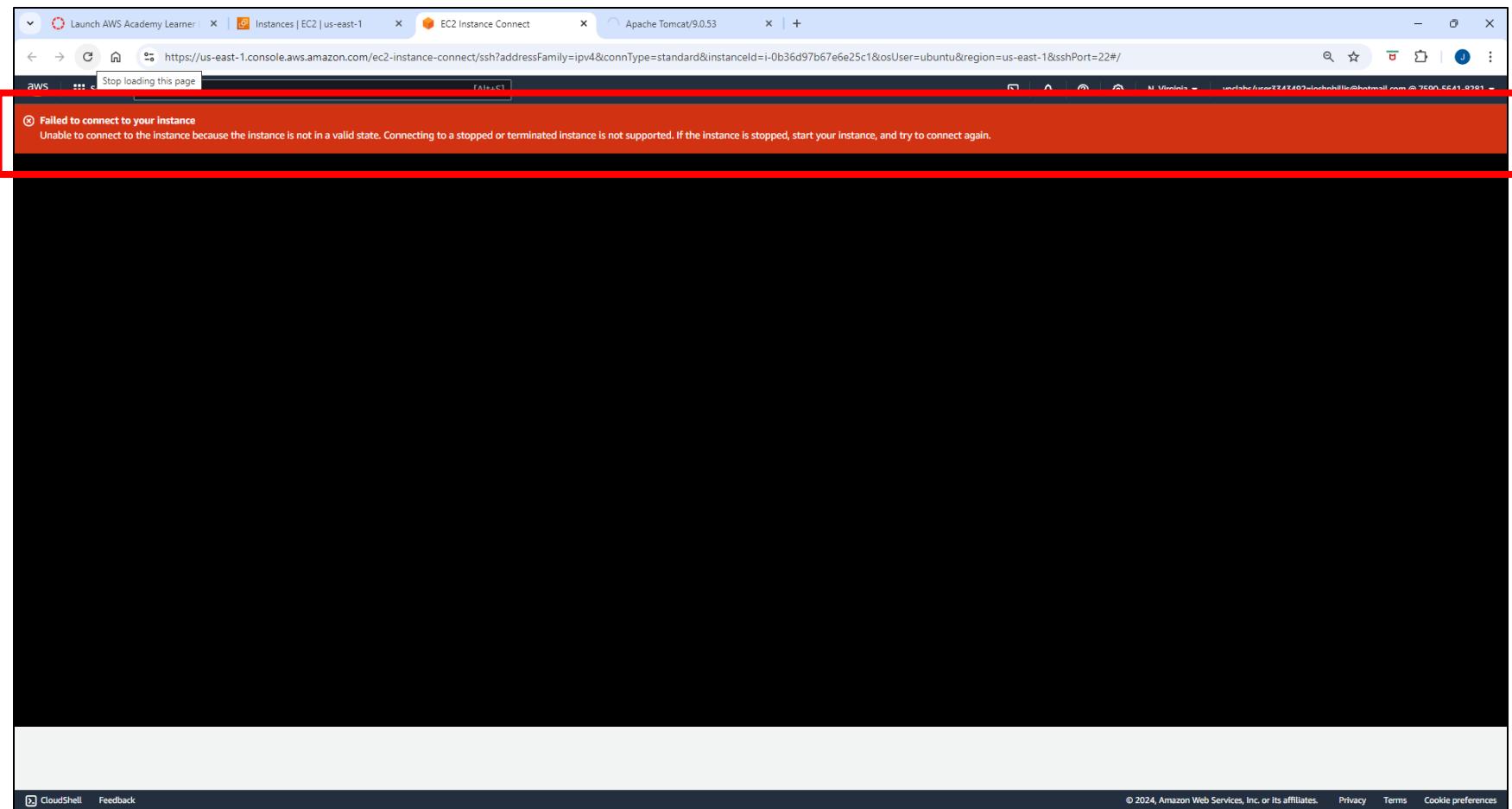
i-0b36d97b67e6e25c1 (Docker - TIO)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

Instance summary

Instance ID	i-0b36d97b67e6e25c1 (Docker - TIO)	Public IPv4 address	Private IPv4 addresses
IPv6 address	-	Terminated	Public IPv4 DNS
Hostname type	-	-	-
Answer private resource DNS name	-	Instance type	Elastic IP addresses
Auto-assigned IP address	-	t2.small	-
IAM Role	-	VPC ID	AWS Compute Optimizer finding
	-	-	Opt-in to AWS Compute Optimizer for recommendations. Learn more
	-	Subnet ID	Auto Scaling Group name

EC2 Instance Connect: Failed to connect to your instance



Unable to view Apache Tomcat

