

root@e66a4be8ed37:/

Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of start.
Processing triggers for libc-bin (2.39-0ubuntu0.3) ...
Processing triggers for ca-certificates (20240203) ...
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.
Running hooks in /etc/ca-certificates/update.d...
done.
Removing intermediate container 86007df3a360
----> 187df280a5d7
Step 3/5 : COPY index.html /var/www/html/index.html
----> c6e158d8478b
Step 4/5 : CMD ["apache2ctl", "-D", "FOREGROUND"]
----> Running in 613508abb7b7
Removing intermediate container 613508abb7b7
----> 4a59d276825e
Step 5/5 : EXPOSE 80
----> Running in 15b0bbf158fd
Removing intermediate container 15b0bbf158fd
----> 8061a21e4f07
Successfully built 8061a21e4f07
Successfully tagged assign5img:latest
ubuntu@ip-172-31-47-216:~\$ docker image ls
REPOSITORY TAG IMAGE ID CREATED SIZE
assign5img latest 8061a21e4f07 33 seconds ago 225MB
ubuntu latest 61b2756d6fa9 2 weeks ago 78.1MB
ubuntu@ip-172-31-47-216:~\$ docker run -itd assign5img -p
00dcbf4faa8301fb53b6c90d01b204beafe09aaa0d22e961361c5482f90bf
docker: Error response from daemon: failed to create task for container: failed to create shim task: OCI runtime create failed: runc create failed: unable to start contain
ner process: exec: "-P": executable file not found in \$PATH: unknown.
ubuntu@ip-172-31-47-216:~\$ docker run -itd assign5img
e66a4be8ed3750443e0795f6f5b1cc4ac941fab7c30294f40cb81e6999cd3be
ubuntu@ip-172-31-47-216:~\$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
e66a4be8ed37 assign5img "apache2ctl -D FOREG..." 10 seconds ago Up 10 seconds 80/tcp thirsty_golick
ubuntu@ip-172-31-47-216:~\$ docker exec e66a4be8ed37 /bin/bash
ubuntu@ip-172-31-47-216:~\$ docker exec -it e66a4be8ed37 /bin/bash
root@e66a4be8ed37:/# service apache2 status
* apache2 is running
root@e66a4be8ed37:/#

venkatesh1503/assignment3-im... X

Instances | EC2 | us-east-1 X

Docker-Assignment-5 (1).pdf X

Assignment 5 X

+

Not secure | 54.81.129.209:32768

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Docker

This is a sample Docker Assignment file

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The image shows a terminal window and an AWS Billing console. The terminal window displays the Dockerfile for a container named 'assign5img' and the output of the 'docker run' command. The AWS Billing console shows a successful payment confirmation for invoice 1870735221.

```
"SandboxID": "f0129c7cd5089e0d8dee9896d2ebf21ecc62df284768094b49c82f9eeb0ad98d",
"HairpinMode": false,
"LinkLocalIPv6Address": "",
"LinkLocalIPv6PrefixLen": 0,
"Ports": {
  "80/tcp": null
},
"SandboxKey": "/var/run/docker/netns/f0129c7cd508",
"SecondaryIPAddresses": null,
"SecondaryIPv6Addresses": null,
"EndpointID": "88f1523bd85693e61f5f0899434d5859080dac34eb30b2eecef7523fcd028617",
"Gateway": "172.17.0.1",
"GlobalIPv6Address": "",
"GlobalIPv6PrefixLen": 0,
"IPAddress": "172.17.0.2",
"IPPrefixLen": 16,
"IPv6Gateway": "",
"MacAddress": "02:42:ac:11:00:02",
"Networks": {
  "bridge": {
    "IPAMConfig": null,
    "Links": null,
    "Aliases": null,
    "NetworkID": "f2bc144f5abab0e18739eae16ddb35bf4b1fdecdccc84b926b796850a6d633f",
    "EndpointID": "88f1523bd85693e61f5f0899434d5859080dac34eb30b2eecef7523fcd028617",
    "Gateway": "172.17.0.1",
    "IPAddress": "172.17.0.2",
    "IPPrefixLen": 16,
    "IPv6Gateway": "",
    "GlobalIPv6Address": "",
    "GlobalIPv6PrefixLen": 0,
    "MacAddress": "02:42:ac:11:00:02",
    "DriverOpts": null
  }
}
}
```

ubuntu@ip-172-31-47-216:~\$ docker run -itd -P assign5img
7d0593ea87989e3a39435cc2dd431d4b565408ab5839f64d3b4ed0c3a14bc660
ubuntu@ip-172-31-47-216:~\$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
7d0593ea8798 assign5img "apache2ctl -D FOREG..." 12 seconds ago Up 11 seconds 0.0.0.0:32768->80/tcp, :::32768->80/tcp elegant_tharp
e66a4be8ed37 assign5img "apache2ctl -D FOREG..." 3 minutes ago Up 3 minutes 80/tcp thirsty_golick
ubuntu@ip-172-31-47-216:~\$

The AWS Billing console shows a successful payment confirmation for invoice 1870735221. The console displays the following information:

- Payments due summary**
- Total amount due: INR 0.00
- Total amount past due: INR 0.00
- Total amount processing: INR 3.35
- Total amount scheduled: INR 0.00
- Payments due (1)
- Filter due payments by text, property or value
- Download, Cancel payment, Complete payment buttons

docker image ls

docker run -itd assign5img -P

docker run -itd assign5img

docker ps

docker exec -it e66a4be8e8ed37 /bin/bash

Inside container

service apache2 status

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Assignment 5</title>
</head>
<body>
  <h1>Docker</h1>
  <p>This is a sample Docker Assignment file</p>
</body>
</html>
```

Dockerfile

```
# Use the official Ubuntu base image
FROM ubuntu:latest

# Update the package list and install Apache2
RUN apt-get update && apt-get install -y apache2

# Copy the sample HTML file to the Apache web directory
COPY index.html /var/www/html/index.html

# Ensure Apache runs in the foreground
CMD ["apache2ctl", "-D", "FOREGROUND"]

# Expose port 80 to the host
EXPOSE 80
```