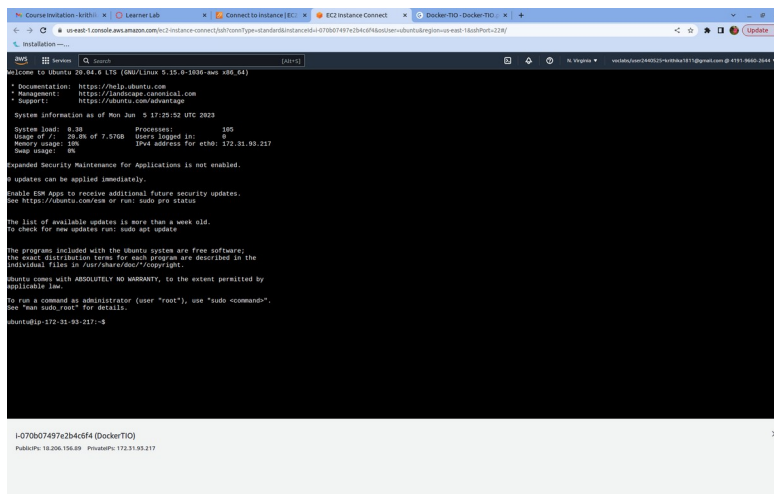
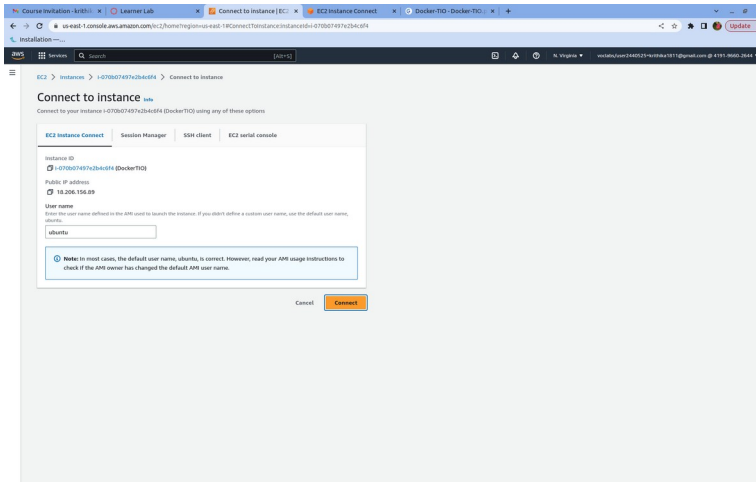
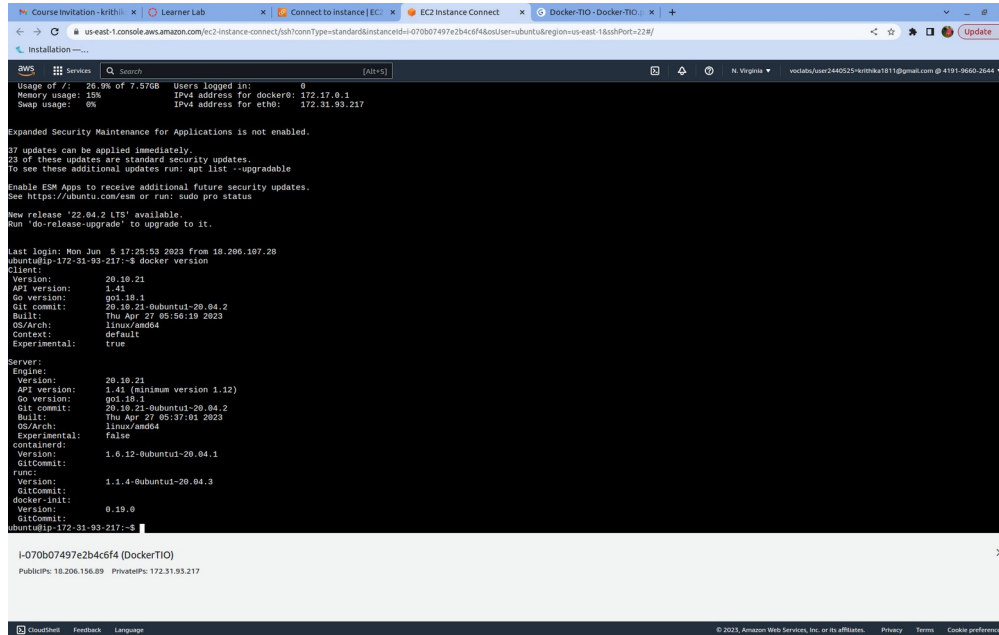


Docker TIO

1. Launch an EC2 instance and connect to it.



2. Install Docker via sudo user and change the owner to ubuntu and check the docker version without appending sudo.



The screenshot shows the AWS Management Console with a terminal window open on an EC2 instance. The terminal displays the output of the `docker version` command. The output shows that Docker is installed and running. The client version is 20.10.21, and the server version is 20.10.21. The daemon is running as root. The output also shows the Docker engine version and the Docker daemon version.

```
Usage of /: 35.9% of 7.57GB  Users logged in: 0
Memory usage: 15%          IPv4 address for docker0: 172.17.0.1
Swap usage: 0%             IPv4 address for eth0: 172.31.93.217

Expanded Security Maintenance for Applications is not enabled.

27 updates can be applied immediately.
23 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

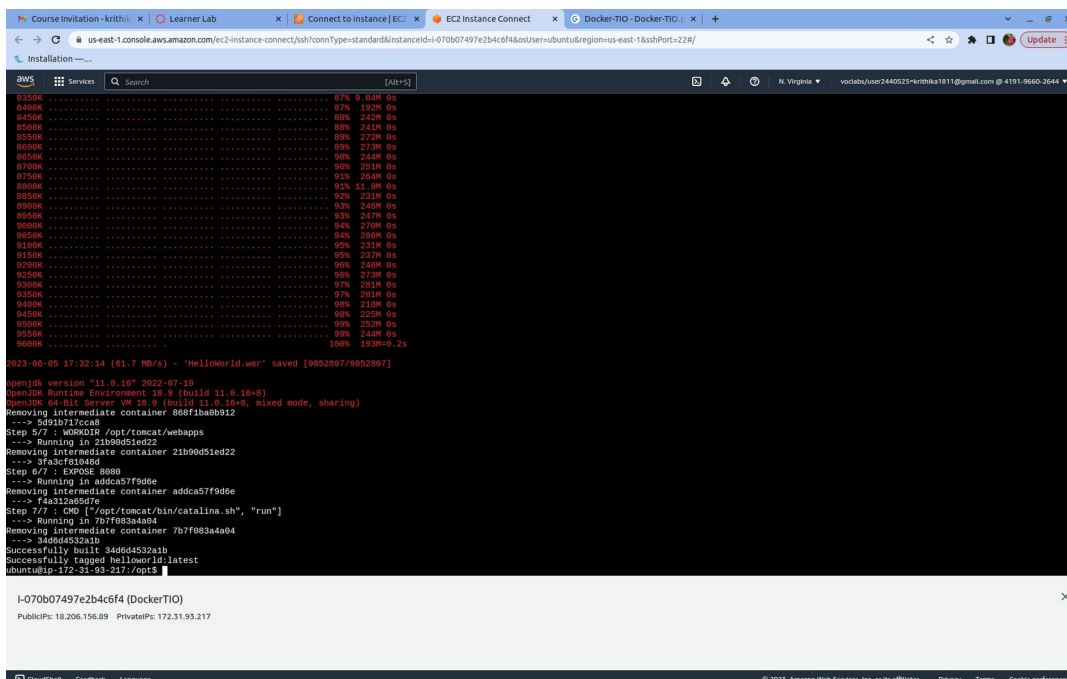
New release '22.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Mon Jun 5 17:25:53 2023 from 18.206.187.28
ubuntu@ip-172-31-93-217:~$ docker version
Client:
Version: 20.10.21
API version: 1.41
Go version: go1.18.1
Git commit: 20.10.21-ubuntu-20.04.2
Built: Thu Apr 27 05:56:19 2023
OS/Arch: linux/amd64
Context: default
Experimental: true

Server:
Version: 20.10.21
API version: 1.41 (minimum version 1.12)
Go version: go1.18.1
Git commit: 20.10.21-ubuntu-20.04.2
Built: Thu Apr 27 05:57:01 2023
OS/Arch: linux/amd64
Experimental: false

containerd:
Version: 1.6.12-ubuntu-20.04.1
GitCommit: 1.6.12-ubuntu-20.04.1
runc:
Version: 1.1.4-ubuntu-20.04.3
GitCommit: 1.1.4-ubuntu-20.04.3
docker-init:
Version: 0.19.0
GitCommit: 0.19.0
ubuntu@ip-172-31-93-217:~$
```

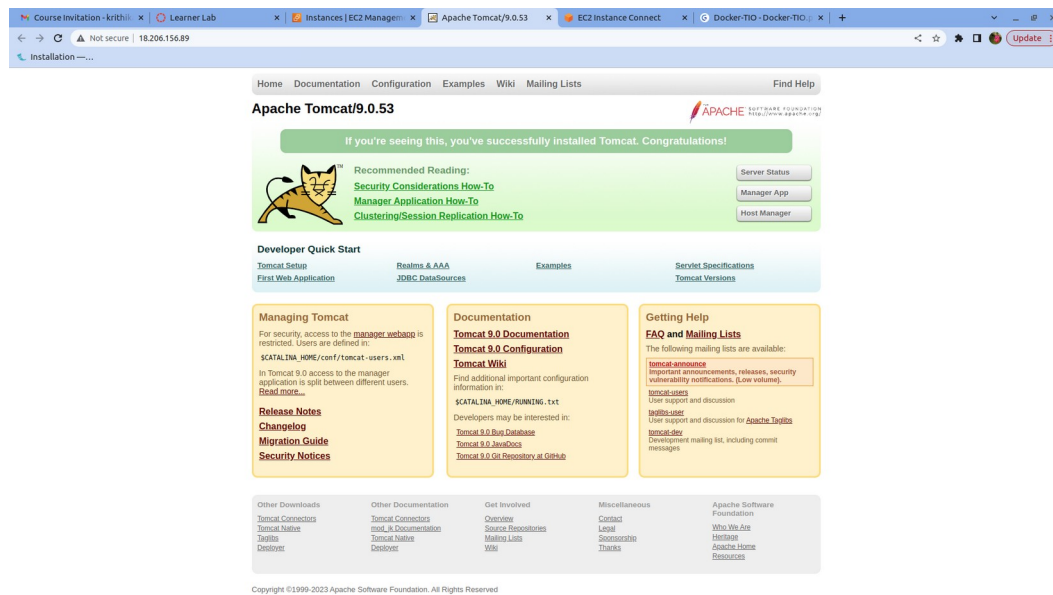
3. Download the latest image of busybox and install in the VM.



The screenshot shows the AWS Management Console with a terminal window open on an EC2 instance. The terminal displays the output of the `docker run` command, which shows that a container is running. The output also shows the Docker engine version and the Docker daemon version.

```
2023-06-05 17:32:14 (61.7 MB/s) - 'HelloWorld.nar' saved [9852807/9852807]
openjdk version "11.0.18" 2022-07-19
OpenJDK Runtime Environment 18.9 (build 11.0.18+8)
OpenJDK 64-Bit Server VM 18.9 (build 11.0.18+8, mixed mode, sharing)
Removing intermediate container 868f1baeb912
--> 5d91b177cca8
Step 5/7 : WORKDIR /opt/tomcat/webapps
--> Running in 21b90d51ed22
Removing intermediate container 21b90d51ed22
--> 3f2cfe184ed
Step 6/7 : EXPOSE 8080
--> Running in addca57f9d6e
Removing intermediate container addca57f9d6e
--> f4a312a65d7e
Step 7/7 : CMD ["opt/tomcat/bin/catalina.sh", "run"]
--> Running in 7b7f983a4a04
Removing intermediate container 7b7f983a4a04
--> 34d6d4532a1b
Successfully built 34d6d4532a1b
Successfully tagged helloworld:latest
ubuntu@ip-172-31-93-217:~$
```

4. Open the public IP address and verify that tomcat is installed.



5.

Finally terminate the instance.

Wordle TIO

6. Follow the steps from 1-3 of docker.
7. Download the wordle image and install.
8. Verify the public IP address that its working and terminate the instance.

