Devops Intern Assessment

Project: CI/CD Implementation for Java App using Jenkins, Docker, and Kubernetes

Tools and Services Used

1. GitHub – Source code management (repository hosting)
2. Jenkins – CI/CD pipeline automation
3. Maven – Java build tool
4. Docker – Containerization platform
5. Kubernetes (Minikube or local cluster) – Application deployment and orchestration

Step 1: Clone the GitHub Repository

1. Go to GitHub and fork or create a new repository for your project.
2. Clone the sample Java "Hello World" app (or use the provided one).

Command:
```
git clone https://github.com/YOUR_USERNAME/hello-world-java.git
```

3. Navigate to the project directory.

Command:
```
cd hello-world-java
```

Step 2: Create Maven Build Setup

1. Ensure the `pom.xml` file exists and is correct.
2. To verify the build, use Maven:

Command:
```
mvn clean package
```

3. The generated `.jar` file should be in the `target/` folder.

Step 3: Set Up Jenkins

1. Install Jenkins and configure it.
2. Create a new **Freestyle or Declarative Pipeline project**.

Jenkins Job Configuration:

- **Source Code Management:** Git

    - Repository URL: `https://github.com/YOUR_USERNAME/hello-world-java.git`
- **Build Step:**
    - Execute Shell Command: `mvn clean package`
- **Post-build Action:**
    - Archive Artifacts: `target/*.jar`

Step 4: Dockerize the Application

1. Create a file named `Dockerfile` in the project root directory.
2. Use the following Dockerfile contents:

```
FROM openjdk:17
COPY target/*.jar app.jar
ENTRYPOINT ["java", "-jar", "app.jar"]
```

3. Build the Docker image.

Command:
```
docker build -t hello-world-app .
```

4. Run the Docker container locally to test.

Command:
```
docker run -p 8080:8080 hello-world-app
```

5. Test by accessing: `http://localhost:8080` (or check logs to verify output).

Step 5: Push Code and Dockerfile to GitHub

1. Add all changes:

Commands:

```
git add .
git commit -m "Added Dockerfile and Maven setup"
git push origin main
```

Step 6: Kubernetes Deployment (Minikube or Local Cluster)

1. Start Minikube:

Command:
```
minikube start
```

2. Create a `deployment.yaml` file:

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: hello-world-deployment
spec:
  replicas: 1
  selector:
    matchLabels:
      app: hello-world
  template:
    metadata:
      labels:
        app: hello-world
    spec:
      containers:
      - name: hello-world
        image: hello-world-app:latest
        imagePullPolicy: Never
        ports:
        - containerPort: 8080
```

3. Create a `service.yaml` file:

```
apiVersion: v1
kind: Service
metadata:
  name: hello-world-service
spec:
  type: NodePort
  selector:
    app: hello-world
  ports:
  - protocol: TCP
    port: 80
    targetPort: 8080
    nodePort: 30036
```

4. Apply the deployment and service:

Commands:

```
kubectl apply -f deployment.yaml
kubectl apply -f service.yaml
```

5. Verify the pods and services:

Commands:

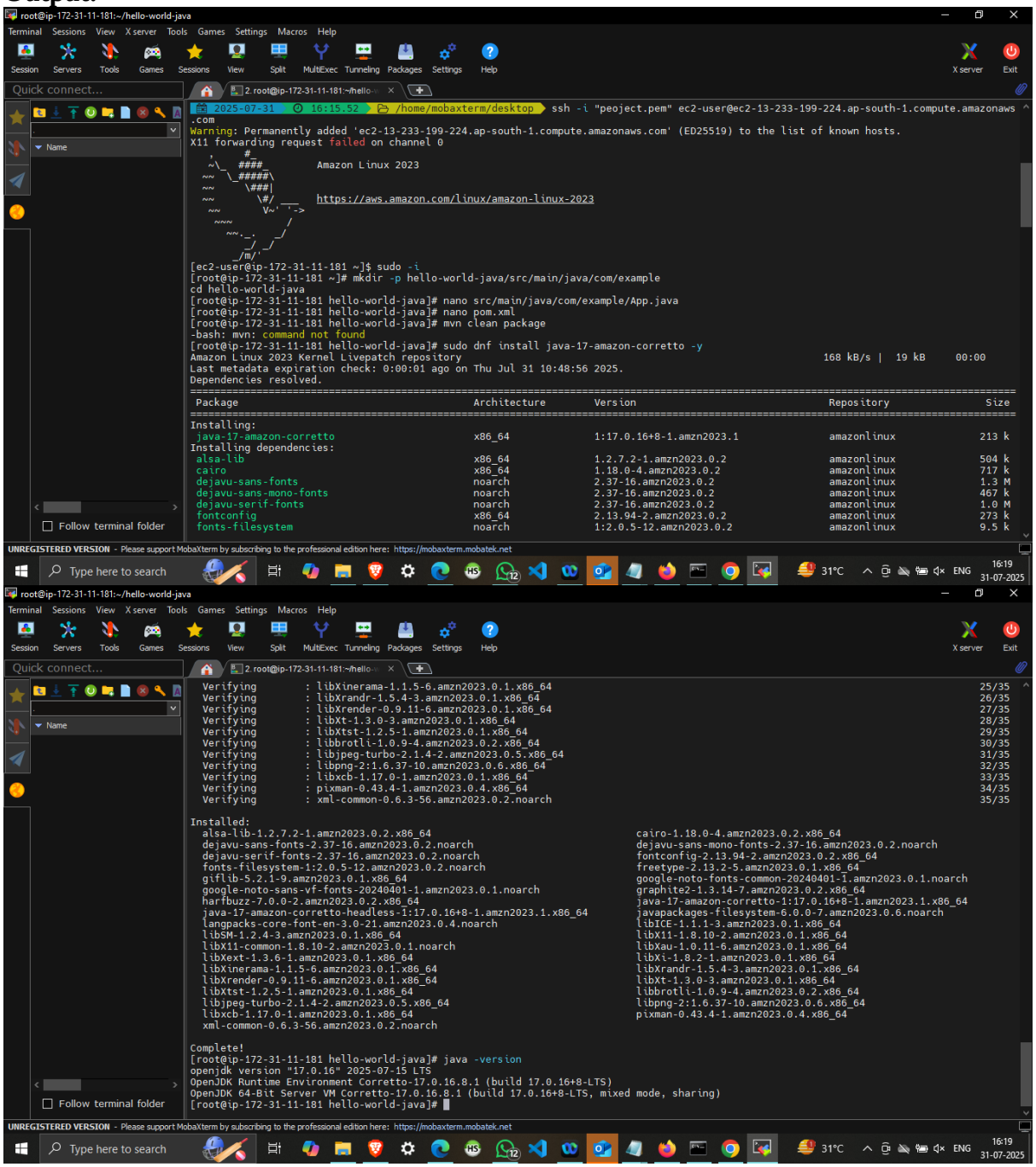
```
kubectl get pods
kubectl get svc
```

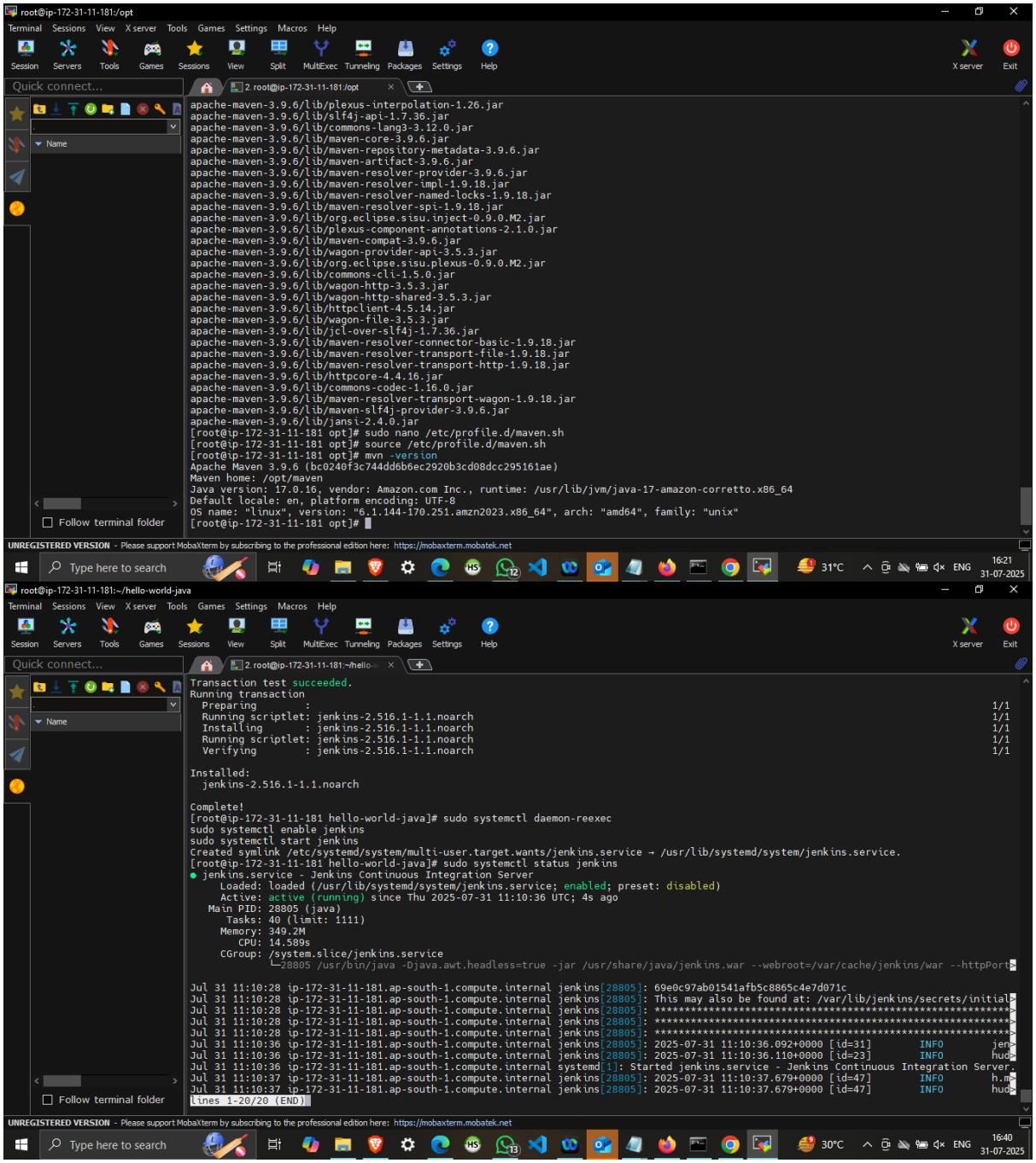
6. To access the app:

Command:
`minikube service hello-world-service`

Or manually: `http://$(minikube ip):30036`

Output:




root@ip-172-31-11-181:/opt
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
2. root@ip-172-31-11-181:/opt
apache-maven-3.9.6/lib/plexus-interpolation-1.26.jar
apache-maven-3.9.6/lib/slf4j-api-1.7.36.jar
apache-maven-3.9.6/lib/commons-lang3-3.12.0.jar
apache-maven-3.9.6/lib/maven-core-3.9.6.jar
apache-maven-3.9.6/lib/maven-repository-metadata-3.9.6.jar
apache-maven-3.9.6/lib/maven-artifact-3.9.6.jar
apache-maven-3.9.6/lib/maven-resolver-provider-3.9.6.jar
apache-maven-3.9.6/lib/maven-resolver-impl-1.9.18.jar
apache-maven-3.9.6/lib/maven-resolver-named-locks-1.9.18.jar
apache-maven-3.9.6/lib/maven-resolver-spi-1.9.18.jar
apache-maven-3.9.6/lib/org.eclipse.sisu.inject-0.9.0.M2.jar
apache-maven-3.9.6/lib/plexus-component-annotations-2.1.0.jar
apache-maven-3.9.6/lib/maven-compat-3.9.6.jar
apache-maven-3.9.6/lib/wagon-provider-api-3.5.3.jar
apache-maven-3.9.6/lib/org.eclipse.sisu.plexus-0.9.0.M2.jar
apache-maven-3.9.6/lib/commons-cli-1.5.0.jar
apache-maven-3.9.6/lib/wagon-http-3.5.3.jar
apache-maven-3.9.6/lib/wagon-http-shared-3.5.3.jar
apache-maven-3.9.6/lib/httpclient-4.5.14.jar
apache-maven-3.9.6/lib/wagon-file-3.5.3.jar
apache-maven-3.9.6/lib/jcl-over-slf4j-1.7.36.jar
apache-maven-3.9.6/lib/maven-resolver-connector-basic-1.9.18.jar
apache-maven-3.9.6/lib/maven-resolver-transport-file-1.9.18.jar
apache-maven-3.9.6/lib/maven-resolver-transport-http-1.9.18.jar
apache-maven-3.9.6/lib/httpcore-4.4.16.jar
apache-maven-3.9.6/lib/commons-codec-1.16.0.jar
apache-maven-3.9.6/lib/maven-resolver-transport-wagon-1.9.18.jar
apache-maven-3.9.6/lib/maven-slf4j-provider-3.9.6.jar
apache-maven-3.9.6/lib/jansi-2.4.0.jar
[root@ip-172-31-11-181 opt]# sudo nano /etc/profile.d/maven.sh
[root@ip-172-31-11-181 opt]# source /etc/profile.d/maven.sh
[root@ip-172-31-11-181 opt]# mvn -version
Apache Maven 3.9.6 (bc0240f3c744dd6b6ec2920b3cd08dcc295161ae)
Maven home: /opt/maven
Java version: 17.0.16, vendor: Amazon.com Inc., runtime: /usr/lib/jvm/java-17-amazon-corretto.x86_64
Default locale: en, platform encoding: UTF-8
OS name: "linux", version: "6.1.144-170.251.amzn2023.x86_64", arch: "amd64", family: "unix"
[root@ip-172-31-11-181 opt]#
Name
Follow terminal folder
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root@ip-172-31-11-181:~/hello-world-java
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
2. root@ip-172-31-11-181:~/hello-
Transaction test succeeded.
Running transaction
Preparing : 1/1
Running scriptlet: jenkins-2.516.1-1.1.noarch 1/1
Installing : jenkins-2.516.1-1.1.noarch 1/1
Running scriptlet: jenkins-2.516.1-1.1.noarch 1/1
Verifying : jenkins-2.516.1-1.1.noarch 1/1
Installed:
jenkins-2.516.1-1.1.noarch
Complete!
[root@ip-172-31-11-181 hello-world-java]# sudo systemctl daemon-reexec
sudo systemctl enable jenkins
sudo systemctl start jenkins
Created symlink /etc/systemd/system/multi-user.target.wants/jenkins.service → /usr/lib/systemd/system/jenkins.service.
[root@ip-172-31-11-181 hello-world-java]# sudo systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
Loaded: loaded (/usr/lib/systemd/system/jenkins.service; enabled; preset: disabled)
Active: active (running) since Thu 2025-07-31 11:10:36 UTC; 4s ago
Main PID: 28805 (java)
Tasks: 40 (limit: 1111)
Memory: 349.2M
CPU: 14.589s
CGroup: /system.slice/jenkins.service
└28805 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort
Jul 31 11:10:28 ip-172-31-11-181.ap-south-1.compute.internal jenkins[28805]: 69e0c97ab01541afb5c8865c4e7d071c
Jul 31 11:10:28 ip-172-31-11-181.ap-south-1.compute.internal jenkins[28805]: This may also be found at: /var/lib/jenkins/secrets/initial
Jul 31 11:10:28 ip-172-31-11-181.ap-south-1.compute.internal jenkins[28805]: ***
Jul 31 11:10:28 ip-172-31-11-181.ap-south-1.compute.internal jenkins[28805]: ***
Jul 31 11:10:28 ip-172-31-11-181.ap-south-1.compute.internal jenkins[28805]: ***
Jul 31 11:10:36 ip-172-31-11-181.ap-south-1.compute.internal jenkins[28805]: 2025-07-31 11:10:36.092+0000 [id=31] INFO jen
Jul 31 11:10:36 ip-172-31-11-181.ap-south-1.compute.internal jenkins[28805]: 2025-07-31 11:10:36.110+0000 [id=23] INFO hud
Jul 31 11:10:36 ip-172-31-11-181.ap-south-1.compute.internal systemd[1]: Started jenkins.service - Jenkins Continuous Integration Server.
Jul 31 11:10:37 ip-172-31-11-181.ap-south-1.compute.internal jenkins[28805]: 2025-07-31 11:10:37.679+0000 [id=47] INFO h.m
Jul 31 11:10:37 ip-172-31-11-181.ap-south-1.compute.internal jenkins[28805]: 2025-07-31 11:10:37.679+0000 [id=47] INFO hud
lines 1-20/20 (END)
Name
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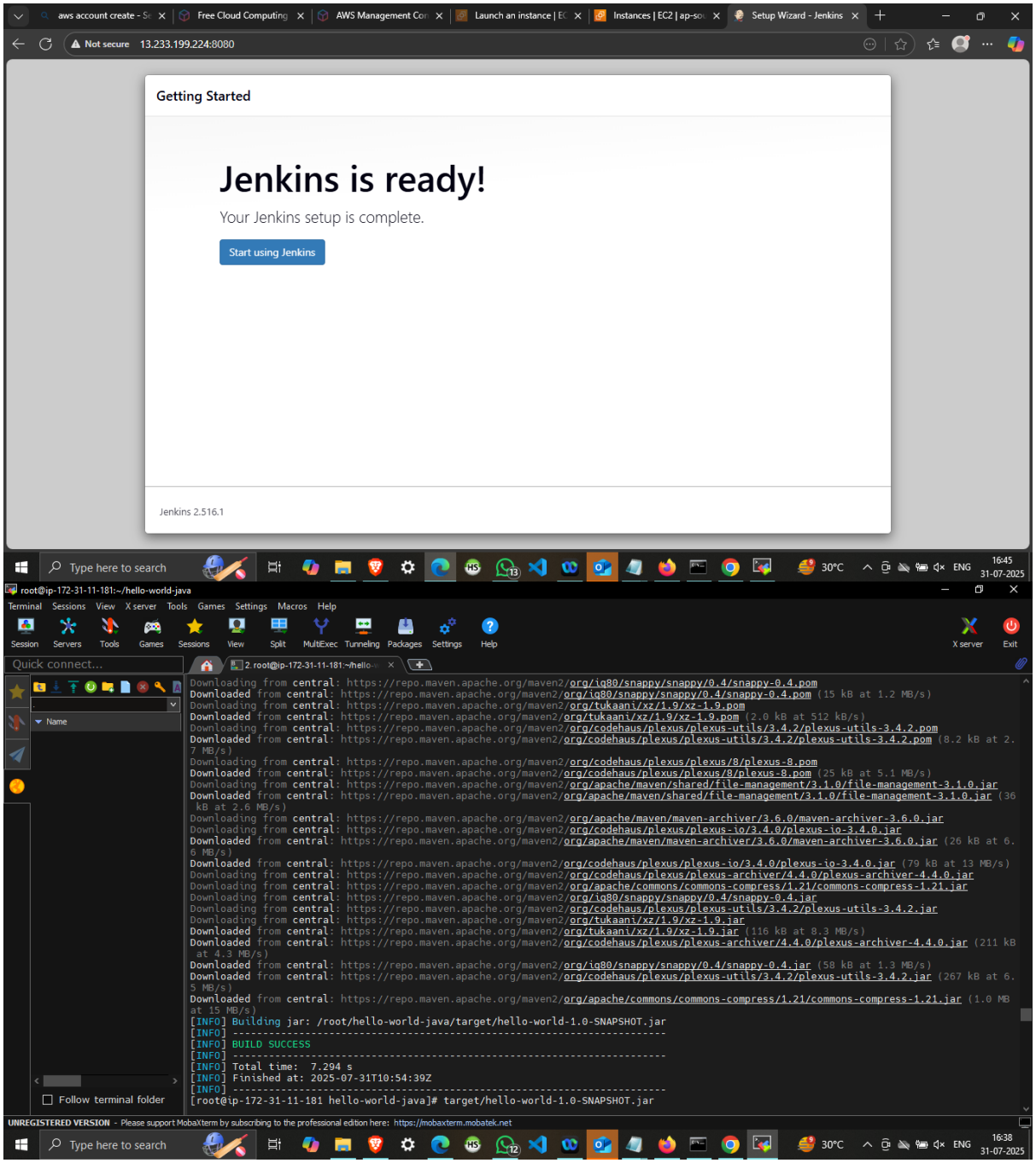
Not secure 13.233.199.224:8080
Getting Started
Jenkins is ready!
Your Jenkins setup is complete.
Start using Jenkins
Jenkins 2.516.1
root@ip-172-31-11-181:~/hello-world-java
[INFO] Building jar: /root/hello-world-java/target/hello-world-1.0-SNAPSHOT.jar
[INFO] BUILD SUCCESS
[INFO] Total time: 7.294 s
[INFO] Finished at: 2025-07-31T10:54:39Z
[root@ip-172-31-11-181 hello-world-java]# target/hello-world-1.0-SNAPSHOT.jar
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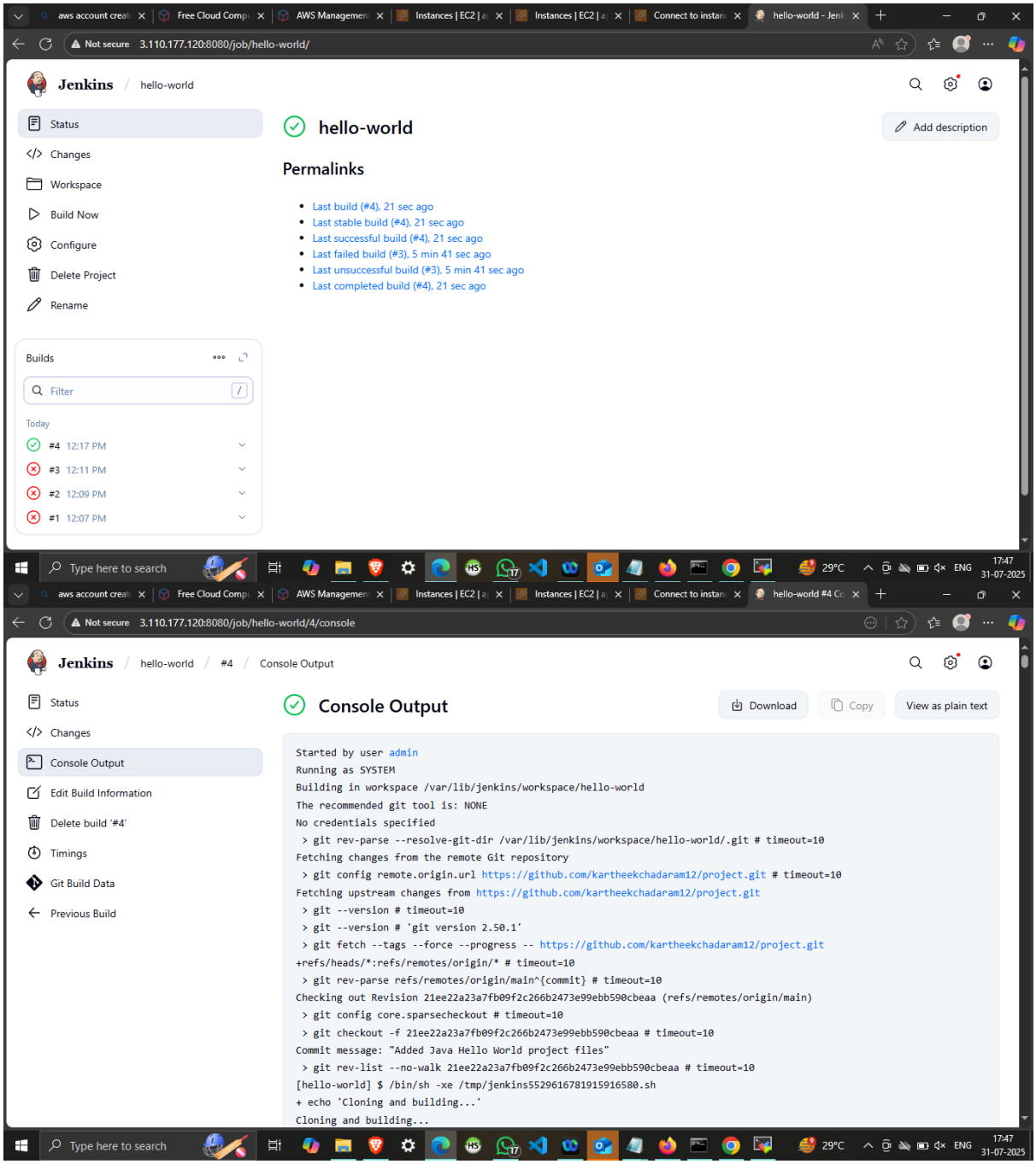
Not secure 3.110.177.120:8080/job/hello-world/
Jenkins / hello-world
Status
Changes
Workspace
Build Now
Configure
Delete Project
Rename
hello-world
Add description
Permalinks
Last build (#4), 21 sec ago
Last stable build (#4), 21 sec ago
Last successful build (#4), 21 sec ago
Last failed build (#3), 5 min 41 sec ago
Last unsuccessful build (#3), 5 min 41 sec ago
Last completed build (#4), 21 sec ago
Builds
Filter
Today
#4 12:17 PM
#3 12:11 PM
#2 12:09 PM
#1 12:07 PM
Type here to search
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Not secure 3.110.177.120:8080/job/hello-world/4/console
Jenkins / hello-world / #4 / Console Output
Status
Changes
Console Output
Edit Build Information
Delete build '#4'
Timings
Git Build Data
Previous Build
Console Output
Download
Copy
View as plain text
Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/hello-world
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/hello-world/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/kartheekchadaram12/project.git # timeout=10
Fetching upstream changes from https://github.com/kartheekchadaram12/project.git
> git --version # timeout=10
> git --version # 'git version 2.50.1'
> git fetch --tags --force --progress -- https://github.com/kartheekchadaram12/project.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 21ee22a23a7fb09f2c266b2473e99ebb590cbeaa (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 21ee22a23a7fb09f2c266b2473e99ebb590cbeaa # timeout=10
Commit message: "Added Java Hello World project files"
> git rev-list --no-walk 21ee22a23a7fb09f2c266b2473e99ebb590cbeaa # timeout=10
[hello-world] $ /bin/sh -xe /tmp/jenkins5529616781915916580.sh
+ echo 'Cloning and building...'
Cloning and building...
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17:47
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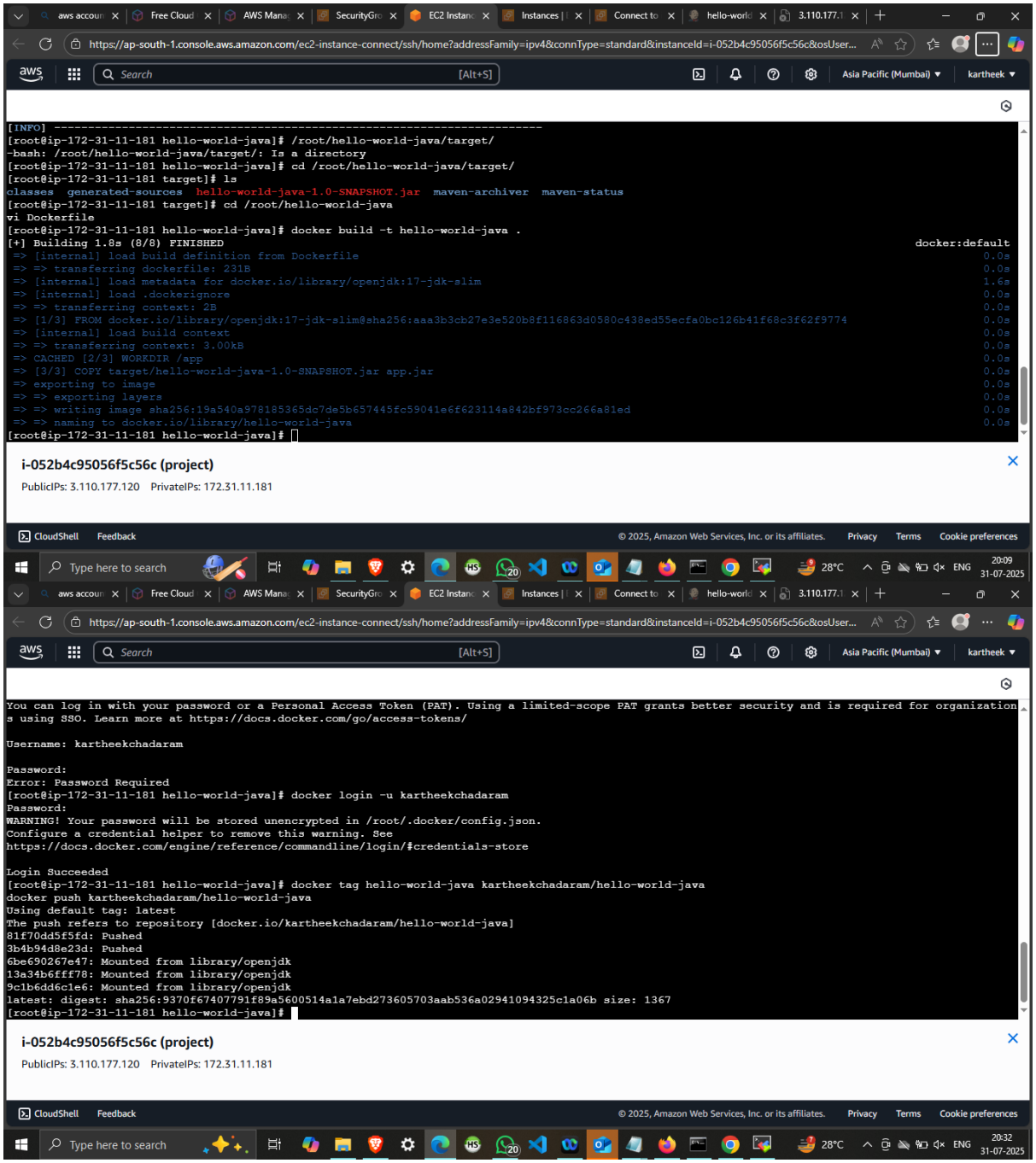
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-052b4c95056f5c56c&osUser...
Search [Alt+S]
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[INFO] --
[root@ip-172-31-11-181 hello-world-java]# /root/hello-world-java/target/
-bash: /root/hello-world-java/target/: Is a directory
[root@ip-172-31-11-181 hello-world-java]# cd /root/hello-world-java/target/
[root@ip-172-31-11-181 target]# ls
classes generated-sources hello-world-java-1.0-SNAPSHOT.jar maven-archiver maven-status
[root@ip-172-31-11-181 target]# cd /root/hello-world-java
vi Dockerfile
[root@ip-172-31-11-181 hello-world-java]# docker build -t hello-world-java .
[+] Building 1.8s (8/8) FINISHED docker:default
=> [internal] load build definition from Dockerfile 0.0s
=> => transferring dockerfile: 231B 0.0s
=> [internal] load metadata for docker.io/library/openjdk:17-jdk-slim 1.6s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [1/3] FROM docker.io/library/openjdk:17-jdk-slim@sha256:aaa3b3cb27e3e520b8f116863d0580c438ed55ecfa0bc126b41f68c3f62f9774 0.0s
=> [internal] load build context 0.0s
=> => transferring context: 3.00kB 0.0s
=> CACHED [2/3] WORKDIR /app 0.0s
=> [3/3] COPY target/hello-world-java-1.0-SNAPSHOT.jar app.jar 0.0s
=> exporting to image 0.0s
=> => exporting layers 0.0s
=> => writing image sha256:19a540a978185365dc7de5b657445fc59041e6f623114a842bf973cc266a81ed 0.0s
=> => naming to docker.io/library/hello-world-java 0.0s
[root@ip-172-31-11-181 hello-world-java]#
i-052b4c95056f5c56c (project)
PublicIPs: 3.110.177.120 PrivateIPs: 172.31.11.181
CloudShell Feedback
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https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-052b4c95056f5c56c&osUser...
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You can log in with your password or a Personal Access Token (PAT). Using a limited-scope PAT grants better security and is required for organization
s using SSO. Learn more at https://docs.docker.com/go/access-tokens/
Username: kartheekchadaram
Password:
Error: Password Required
[root@ip-172-31-11-181 hello-world-java]# docker login -u kartheekchadaram
Password:
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-172-31-11-181 hello-world-java]# docker tag hello-world-java kartheekchadaram/hello-world-java
docker push kartheekchadaram/hello-world-java
Using default tag: latest
The push refers to repository [docker.io/kartheekchadaram/hello-world-java]
81f70dd5f5fd: Pushed
3b4b94d8e23d: Pushed
6be690267e47: Mounted from library/openjdk
13a34b6fff78: Mounted from library/openjdk
9c1b6dd6c1e6: Mounted from library/openjdk
latest: digest: sha256:9370f67407791f89a5600514a1a7ebd273605703aab536a02941094325c1a06b size: 1367
[root@ip-172-31-11-181 hello-world-java]#
i-052b4c95056f5c56c (project)
PublicIPs: 3.110.177.120 PrivateIPs: 172.31.11.181
CloudShell Feedback
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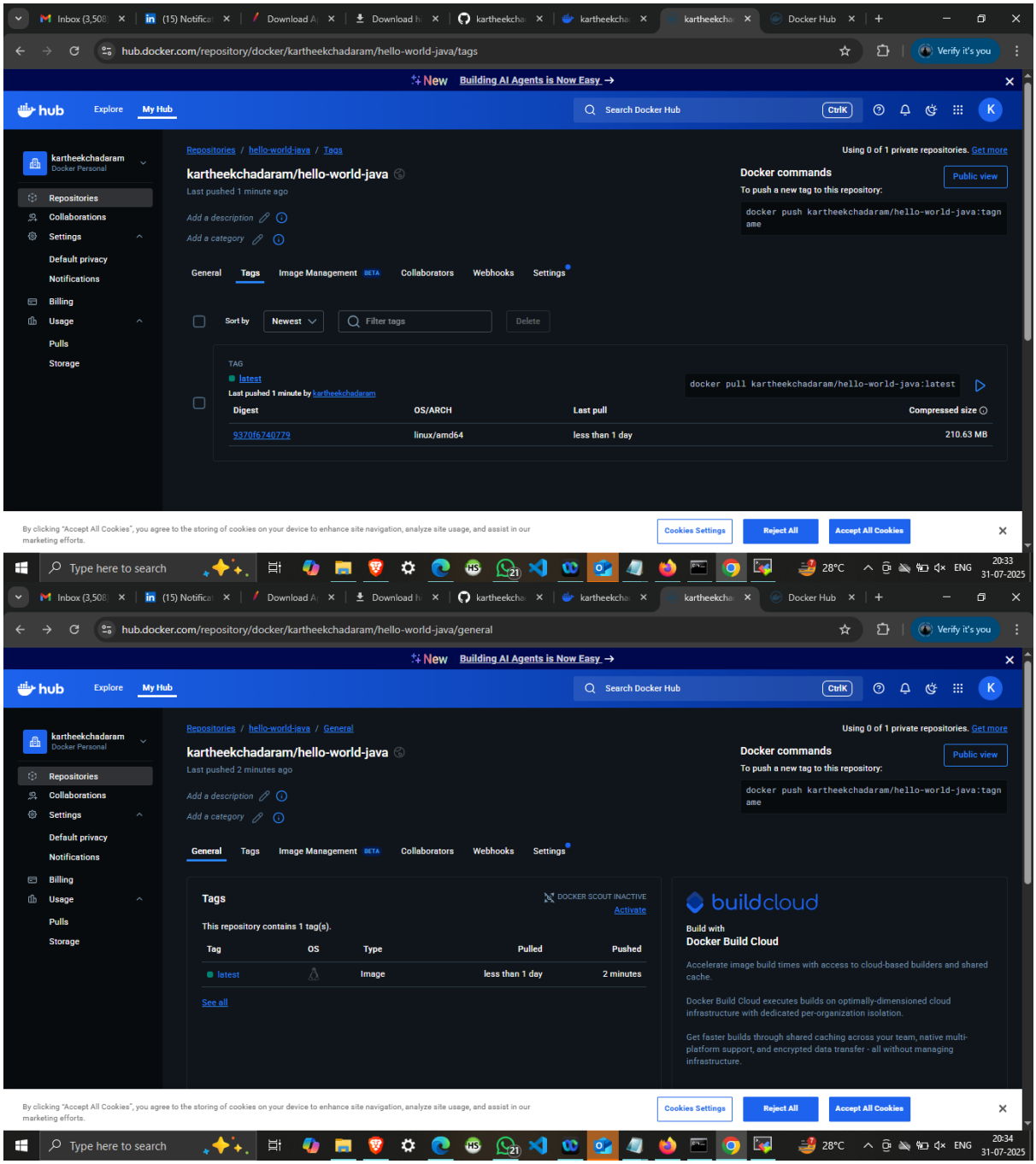
hub.docker.com/repository/docker/kartheekchadaram/hello-world-java/tags
New Building AI Agents is Now Easy →
hub
Explore
My Hub
Search Docker Hub
CtrlK
kartheekchadaram
Docker Personal
Repositories
Collaborations
Settings
Default privacy
Notifications
Billing
Usage
Pulls
Storage
Repositories / hello-world-java / Tags
kartheekchadaram/hello-world-java
Last pushed 1 minute ago
Add a description
Add a category
Using 0 of 1 private repositories. Get more
Docker commands
Public view
To push a new tag to this repository:
docker push kartheekchadaram/hello-world-java:tagname
General
Tags
Image Management
BETA
Collaborators
Webhooks
Settings
Sort by
Newest
Filter tags
Delete
TAG
latest
Last pushed 1 minute by kartheekchadaram
docker pull kartheekchadaram/hello-world-java:latest
Digest
OS/ARCH
Last pull
Compressed size
9370f6740779
linux/amd64
less than 1 day
210.63 MB
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hub.docker.com/repository/docker/kartheekchadaram/hello-world-java/general
New Building AI Agents is Now Easy →
hub
Explore
My Hub
Search Docker Hub
CtrlK
kartheekchadaram
Docker Personal
Repositories
Collaborations
Settings
Default privacy
Notifications
Billing
Usage
Pulls
Storage
Repositories / hello-world-java / General
kartheekchadaram/hello-world-java
Last pushed 2 minutes ago
Add a description
Add a category
Using 0 of 1 private repositories. Get more
Docker commands
Public view
To push a new tag to this repository:
docker push kartheekchadaram/hello-world-java:tagname
General
Tags
Image Management
BETA
Collaborators
Webhooks
Settings
Tags
DOCKER SCOUT INACTIVE
Activate
This repository contains 1 tag(s).
Tag
OS
Type
Pulled
Pushed
latest
Image
less than 1 day
2 minutes
See all
buildcloud
Build with
Docker Build Cloud
Accelerate image build times with access to cloud-based builders and shared cache.
Docker Build Cloud executes builds on optimally-dimensioned cloud infrastructure with dedicated per-organization isolation.
Get faster builds through shared caching across your team, native multi-platform support, and encrypted data transfer - all without managing infrastructure.
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Reject All
Accept All Cookies
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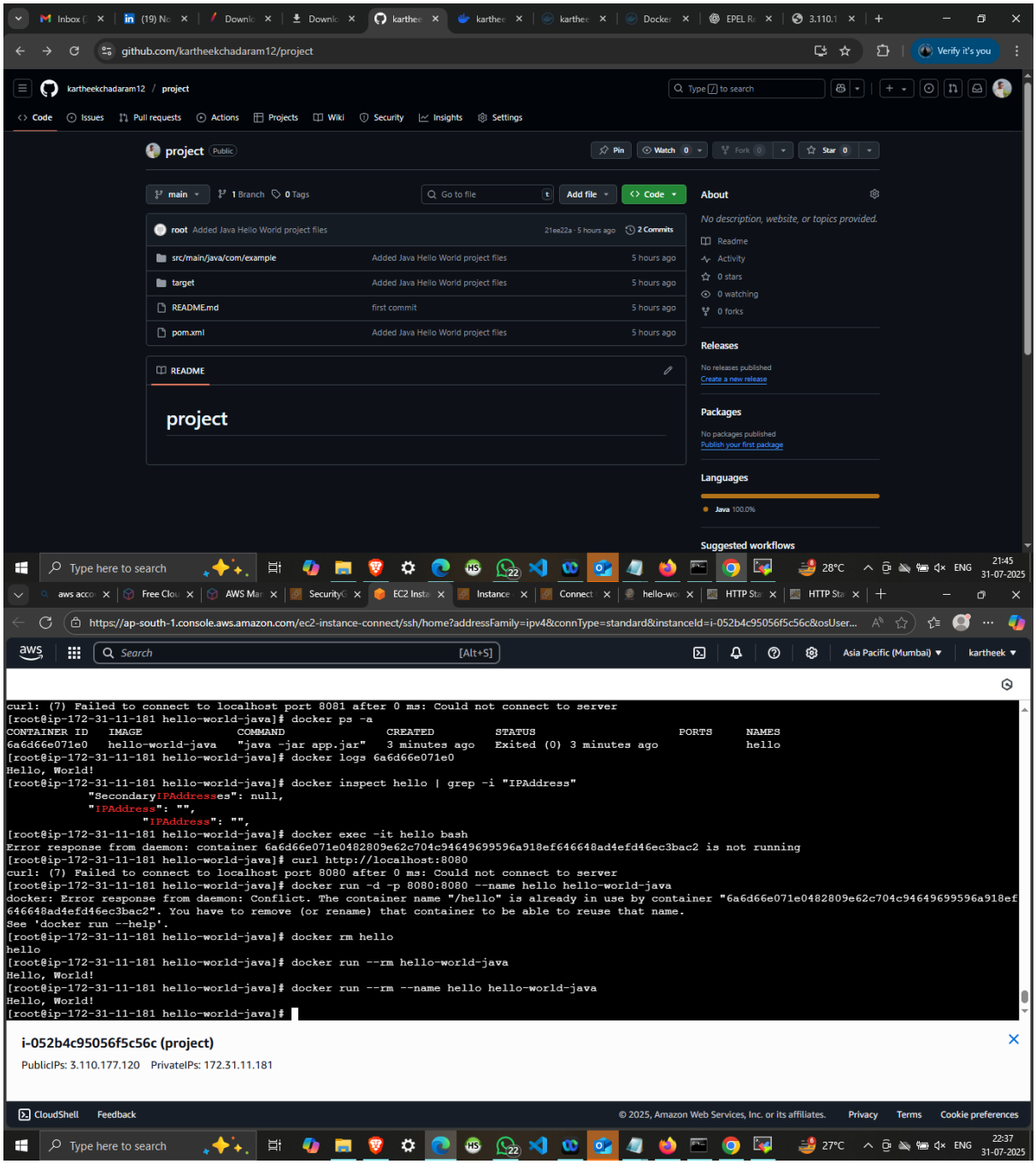
github.com/kartheekchadaram12/project
kartheekchadaram12 / project
project
Public
main
1 Branch
0 Tags
Add file
Code
About
No description, website, or topics provided.
root Added Java Hello World project files
src/main/java/com/example
target
README.md
pom.xml
README
project
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
Languages
Java 100.0%
Suggested workflows
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?addressFamily=ipv4&connType=standard&instanceId=i-052b4c95056f5c56c&osUser...
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curl: (7) Failed to connect to localhost port 8081 after 0 ms: Could not connect to server
[root@ip-172-31-11-181 hello-world-java]# docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
6a6d66e071e0 hello-world-java "java -jar app.jar" 3 minutes ago Exited (0) 3 minutes ago hello
[root@ip-172-31-11-181 hello-world-java]# docker logs 6a6d66e071e0
Hello, World!
[root@ip-172-31-11-181 hello-world-java]# docker inspect hello | grep -i "IPAddress"
"SecondaryIPAddresses": null,
"IPAddress": "",
"IPAddress": "",
[root@ip-172-31-11-181 hello-world-java]# docker exec -it hello bash
Error response from daemon: container 6a6d66e071e0482809e62c704c94649699596a918ef646648ad4efd46ec3bac2 is not running
[root@ip-172-31-11-181 hello-world-java]# curl http://localhost:8080
curl: (7) Failed to connect to localhost port 8080 after 0 ms: Could not connect to server
[root@ip-172-31-11-181 hello-world-java]# docker run -d -p 8080:8080 --name hello hello-world-java
docker: Error response from daemon: Conflict. The container name "/hello" is already in use by container "6a6d66e071e0482809e62c704c94649699596a918ef646648ad4efd46ec3bac2". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.
[root@ip-172-31-11-181 hello-world-java]# docker rm hello
hello
[root@ip-172-31-11-181 hello-world-java]# docker run --rm hello-world-java
Hello, World!
[root@ip-172-31-11-181 hello-world-java]# docker run --rm --name hello hello-world-java
Hello, World!
[root@ip-172-31-11-181 hello-world-java]#
i-052b4c95056f5c56c (project)
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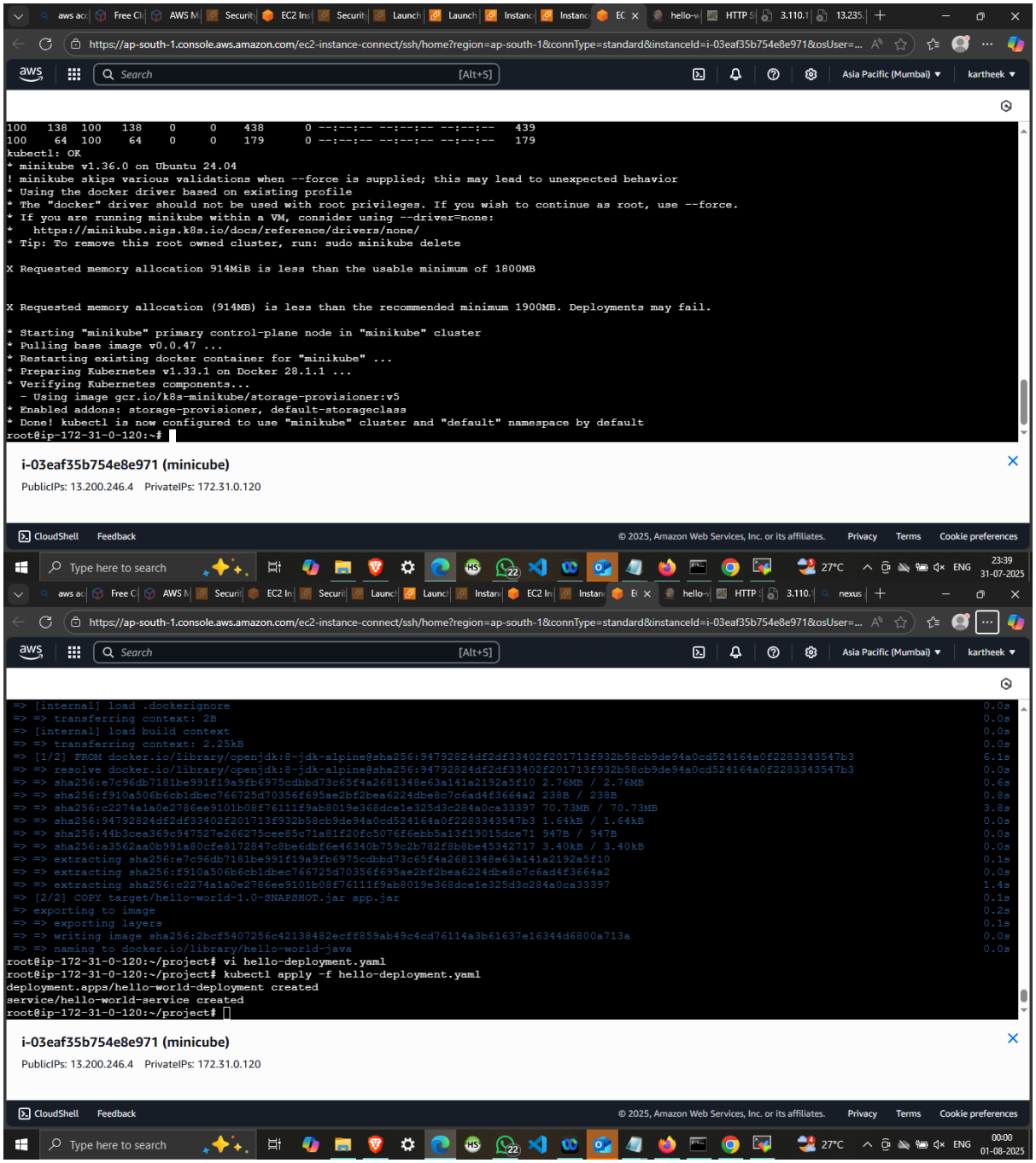
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-03eaf35b754e8e971&osUser=...
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100 138 100 138 0 0 438 0 --:--:-- --:--:-- --:--:-- 439
100 64 100 64 0 0 179 0 --:--:-- --:--:-- --:--:-- 179
kubectl: OK
* minikube v1.36.0 on Ubuntu 24.04
! minikube skips various validations when --force is supplied; this may lead to unexpected behavior
* Using the docker driver based on existing profile
* The "docker" driver should not be used with root privileges. If you wish to continue as root, use --force.
* If you are running minikube within a VM, consider using --driver=none:
* https://minikube.sigs.k8s.io/docs/reference/drivers/none/
* Tip: To remove this root owned cluster, run: sudo minikube delete
X Requested memory allocation 914MiB is less than the usable minimum of 1800MB
X Requested memory allocation (914MB) is less than the recommended minimum 1900MB. Deployments may fail.
* Starting "minikube" primary control-plane node in "minikube" cluster
* Pulling base image v0.0.47 ...
* Restarting existing docker container for "minikube" ...
* Preparing Kubernetes v1.33.1 on Docker 28.1.1 ...
* Verifying Kubernetes components...
- Using image gcr.io/k8s-minikube/storage-provisioner:v5
* Enabled addons: storage-provisioner, default-storageclass
* Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
root@ip-172-31-0-120:~#
i-03eaf35b754e8e971 (minicube)
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https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-03eaf35b754e8e971&osUser=...
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=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [internal] load build context 0.0s
=> => transferring context: 2.25kB 0.0s
=> [1/2] FROM docker.io/library/openjdk:8-jdk-alpine@sha256:94792824df2df33402f201713f932b58cb9de94a0cd524164a0f2283343547b3 6.1s
=> => resolve docker.io/library/openjdk:8-jdk-alpine@sha256:94792824df2df33402f201713f932b58cb9de94a0cd524164a0f2283343547b3 0.0s
=> => sha256:e7c96db7181be991f19a9fb6975cdbbd73c65f4a2681348e63a141a2192a5f10 2.76MB / 2.76MB 0.6s
=> => sha256:f910a506b6cb1dbec766725d70356f695ae2bf2bea6224dbe8c7c6ad4f3664a2 238B / 238B 0.8s
=> => sha256:c2274a1a0e2786ee9101b08f76111f9ab8019e368dce1e325d3c284a0ca33397 70.73MB / 70.73MB 3.8s
=> => sha256:94792824df2df33402f201713f932b58cb9de94a0cd524164a0f2283343547b3 1.64kB / 1.64kB 0.0s
=> => sha256:44b3cea369c947527e266275cee85c71a81f20fc5076f6ebb5a13f19015dce71 947B / 947B 0.0s
=> => sha256:a3562aa0b991a80cfe8172847c8be6dbf6e46340b759c2b782f8b8be45342717 3.40kB / 3.40kB 0.0s
=> => extracting sha256:e7c96db7181be991f19a9fb6975cdbbd73c65f4a2681348e63a141a2192a5f10 0.1s
=> => extracting sha256:f910a506b6cb1dbec766725d70356f695ae2bf2bea6224dbe8c7c6ad4f3664a2 0.0s
=> => extracting sha256:c2274a1a0e2786ee9101b08f76111f9ab8019e368dce1e325d3c284a0ca33397 1.4s
=> [2/2] COPY target/hello-world-1.0-SNAPSHOT.jar app.jar 0.1s
=> exporting to image 0.2s
=> => exporting layers 0.1s
=> => writing image sha256:2bcf5407256c42138482ecff859ab49c4cd76114a3b61637e16344d6800a713a 0.0s
=> => naming to docker.io/library/hello-world-java 0.0s
root@ip-172-31-0-120:~/project# vi hello-deployment.yaml
root@ip-172-31-0-120:~/project# kubectl apply -f hello-deployment.yaml
deployment.apps/hello-world-deployment created
service/hello-world-service created
root@ip-172-31-0-120:~/project#
i-03eaf35b754e8e971 (minicube)
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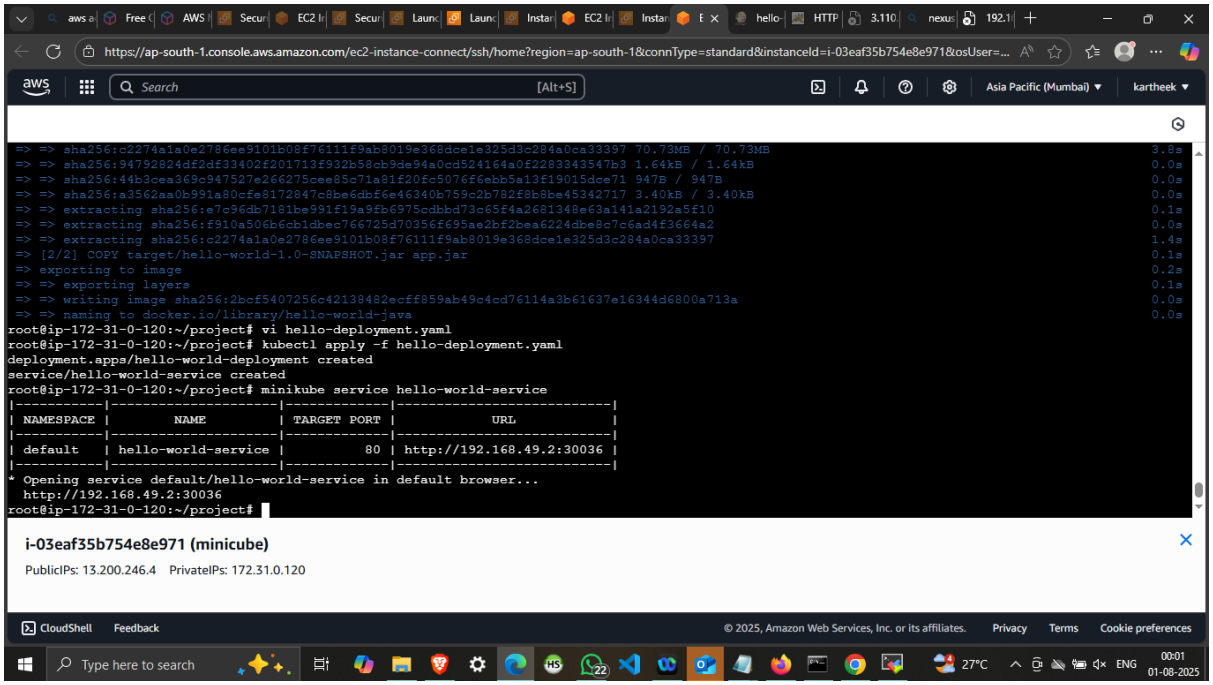
https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=ap-south-1&connType=standard&instanceId=i-03eaf35b754e8e971&osUser=...
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=> => sha256:c2274a1a0e2786ee9101b08f76111f9ab8019e368dce1e325d3c284a0ca33397 70.73MB / 70.73MB 3.8s
=> => sha256:94792824df2df33402f201713f932b58cb9de94a0cd524164a0f2283343547b3 1.64kB / 1.64kB 0.0s
=> => sha256:44b3cea369c947527e266275cee85c71a81f20fc5076f6ebb5a13f19015dce71 947B / 947B 0.0s
=> => sha256:a3562aa0b991a80cfe8172847c8be6dbf6e46340b759c2b782f8b8be45342717 3.40kB / 3.40kB 0.0s
=> => extracting sha256:e7c96db7181be991f19a9fb6975cdbbd73c65f4a2681348e63a141a2192a5f10 0.1s
=> => extracting sha256:f910a506b6cb1dbec766725d70356f695ae2bf2bea6224dbe8c7c6ad4f3664a2 0.0s
=> => extracting sha256:c2274a1a0e2786ee9101b08f76111f9ab8019e368dce1e325d3c284a0ca33397 1.4s
=> [2/2] COPY target/hello-world-1.0-SNAPSHOT.jar app.jar 0.1s
=> exporting to image 0.2s
=> => exporting layers 0.1s
=> => writing image sha256:2bcf5407256c42138482ecff859ab49c4cd76114a3b61637e16344d6800a713a 0.0s
=> => naming to docker.io/library/hello-world-java 0.0s
root@ip-172-31-0-120:~/project# vi hello-deployment.yaml
root@ip-172-31-0-120:~/project# kubectl apply -f hello-deployment.yaml
deployment.apps/hello-world-deployment created
service/hello-world-service created
root@ip-172-31-0-120:~/project# minikube service hello-world-service
| NAMESPACE | NAME | TARGET PORT | URL |
| default | hello-world-service | 80 | http://192.168.49.2:30036 |
* Opening service default/hello-world-service in default browser...
http://192.168.49.2:30036
root@ip-172-31-0-120:~/project#
i-03eaf35b754e8e971 (minicube)
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