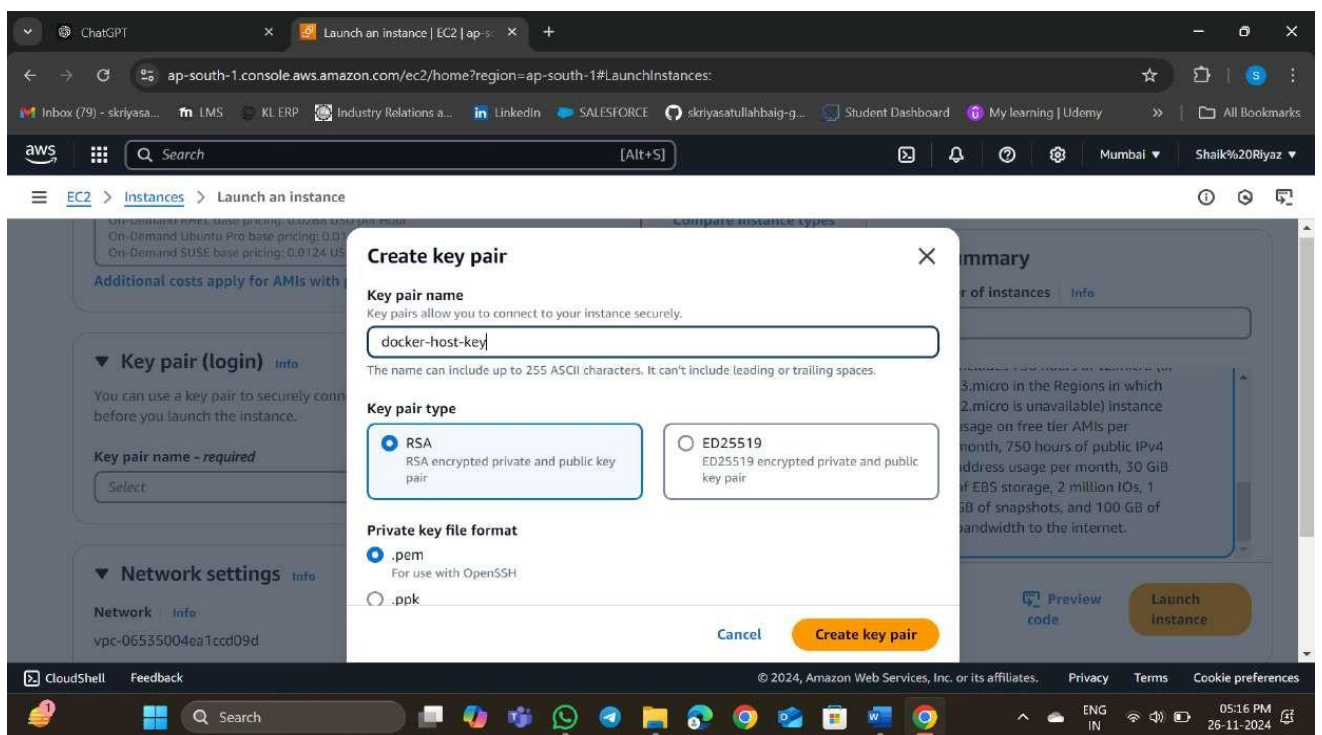


NAME: K. RAMASARVA REDDY
ID NO:2200030527
SECTION NO: 12

Final Project Evaluation

Working with EC2, Docker, Jenkins:

OUTPUT:



ChatGPT Launch an instance | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:

EC2 > Instances > Launch an instance

Additional charges apply when outside of free tier allowance

Firewall (security groups) | Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group ☐ Select existing security group

We'll create a new security group called 'launch-wizard-3' with the following rules:

☒ Allow SSH traffic from
Helps you connect to your instance
0.0.0.0/0

☐ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

☐ Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Summary
Number of instances
Info

Includes 750 hours of t3.micro or t3.medium (or t3.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 GiB of snapshots, and 100 GB of bandwidth to the internet.

[Cancel](#) [Preview code](#) [Launch instance](#)

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ChatGPT Instance details | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#instanceDetails:instanceId=i-067e58869c5683a6a

EC2 > Instances > i-067e58869c5683a6a

Dashboard < EC2 Global View Events

▼ Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations

▼ Images
AMIs

Successfully initiated starting of i-067e58869c5683a6a

Instance summary for i-067e58869c5683a6a Info [Refresh](#) [Connect](#) [Instance state](#) [Actions](#)

Updated less than a minute ago

Instance ID i-067e58869c5683a6a	Public IPv4 address 3.111.52.228 open address	Private IPv4 addresses 172.31.1.150
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-3-111-52-228.ap-south-1.compute.amazonaws.com open address
Hostname type IP name: ip-172-31-1-150.ap-south-1.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-1-150.ap-south-1.compute.internal	Elastic IP addresses
Answer private resource DNS name	Instance type	

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```
ec2-user@ip-172-31-9-255:~/ / x + v
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.example</groupId>
  <artifactId>webapp</artifactId>
  <packaging>war</packaging>
  <version>1.0-SNAPSHOT</version>
  <name>webapp Maven Webapp</name>
  <url>http://maven.apache.org</url>
  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>3.8.1</version>
      <scope>test</scope>
    </dependency>
  </dependencies>
  <build>
    <finalName>webapp</finalName>
    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-war-plugin</artifactId>
        <version>3.3.1</version> <!-- Updated version -->
      </plugin>
    </plugins>
  </build>
</project>

-- INSERT --
```

Instances | EC2 | ap-south-1 x 13.126.139.12:8080/webapp/ x +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#instances:

Inbox (7/9) - skriyasa... LMS KL ERP Industry Relations a... LinkedIn SALESFORCE skriyasatullahbaig-g... Student Dashboard My learning | Udemy All Bookmarks

Search [Alt+S]

Dashboard EC2 Global View Events

Instances

Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations

Images AMIs

Instances (1/4) Info Last updated about 1 hour ago

Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
	i-067e58869c5683a6a	Stopped	t2.micro	-	View alarms +
docker-project	i-0378f41bc57712f54	Running	t2.micro	Initializing	View alarms +

i-0378f41bc57712f54 (docker-project)

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0378f41bc57712f54	13.126.139.12 open address	172.31.9.255
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-13-126-139-12.ap-south-

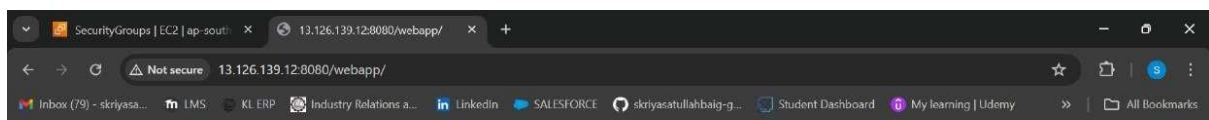
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11:20 PM 26-11-2024


```
ec2-user@ip-172-31-9-255:~$ mvn archetype:generate
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/apache/33/apache-33.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/apache/33/apache-33.pom (24 kB at 1.3 MB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/groovy/groovy-bom/4.0.23/groovy-bom-4.0.23.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/groovy/groovy-bom/4.0.23/groovy-bom-4.0.23.pom (27 kB at 1.2 MB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/junit/junit-bom/5.10.3/junit-bom-5.10.3.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/junit/junit-bom/5.10.3/junit-bom-5.10.3.pom (5.6 kB at 377 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-archetype-plugin/3.3.1/maven-archetype-plugin-3.3.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-archetype-plugin/3.3.1/maven-archetype-plugin-3.3.1.jar (99 kB at 4.5 MB/s)
[INFO] -----< org.apache.maven:standalone-pom >-----
[INFO] Building Maven Stub Project (No POM) 1
[INFO] -----[ pom ]-----
[INFO] >>> maven-archetype-plugin:3.3.1:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO] <<< maven-archetype-plugin:3.3.1:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO] --- maven-archetype-plugin:3.3.1:generate (default-cli) @ standalone-pom ---
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/archetype-catalog/3.3.1/archetype-catalog-3.3.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/archetype-catalog/3.3.1/archetype-catalog-3.3.1.pom (1.7 kB at 174 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/archetype-models/3.3.1/archetype-models-3.3.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/archetype-models/3.3.1/archetype-models-3.3.1.pom (3.0 kB at 332 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-xml/3.0.1/plexus-xml-3.0.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-xml/3.0.1/plexus-xml-3.0.1.pom (3.7 kB at 176 kB/s)
```

```
Windows PowerShell
jar (25 kB at 29 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache-extras/beanshell/bsh/2.0b6/bsh-2.0b6.jar (389 kB at 426 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/commons-collections/commons-collections/3.2.2/commons-collections-3.2.2.jar (588 kB at 616 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/com/github/luben/zstd-jni/1.5.6-3/zstd-jni-1.5.6-3.jar (6.7 MB at 6.1 MB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/com/ibm/icu/icu4j/75.1/icu4j-75.1.jar (14 MB at 12 MB/s)
[INFO] Generating project in Batch mode
Downloading from central: https://repo.maven.apache.org/maven2/archetype-catalog.xml
Downloaded from central: https://repo.maven.apache.org/maven2/archetype-catalog.xml (16 MB at 32 MB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-webapp/1.0/maven-archetype-webapp-1.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-webapp/1.0/maven-archetype-webapp-1.0.jar (3.9 kB at 494 kB/s)
[INFO] -----
[INFO] Using following parameters for creating project from Old (1.x) Archetype: maven-archetype-webapp:1.0
[INFO] -----
[INFO] Parameter: basedir, Value: /home/ec2-user/sample-webapp
[INFO] Parameter: package, Value: com.example
[INFO] Parameter: groupId, Value: com.example
[INFO] Parameter: artifactId, Value: webapp
[INFO] Parameter: packageName, Value: com.example
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] project created from Old (1.x) Archetype in dir: /home/ec2-user/sample-webapp/webapp
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 6.898 s
[INFO] Finished at: 2024-11-26T16:58:31Z
[INFO] -----
[ec2-user@ip-172-31-9-255 sample-webapp]$ cd webapp
[ec2-user@ip-172-31-9-255 webapp]$ mvn clean package
[INFO] Scanning for projects...
[INFO] -----< com.example:webapp >-----
[INFO] Building webapp Maven Webapp 1.0-SNAPSHOT
[INFO] -----[ war ]-----
```

```
Windows PowerShell
[ec2-user@ip-172-31-9-255 webapp]$ rm -rf ~/.m2/repository/org/apache/maven/plugins/maven-war-plugin
[ec2-user@ip-172-31-9-255 webapp]$ mvn clean package
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:webapp >-----
[INFO] Building webapp Maven Webapp 1.0-SNAPSHOT
[INFO]
[INFO] -----[ war ]-----
[INFO]
Download from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-war-plugin/2.2/maven-war-plugin-2.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-war-plugin/2.2/maven-war-plugin-2.2.pom (6.5 kB at 15 kB/s)
Download from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-war-plugin/2.2/maven-war-plugin-2.2.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-war-plugin/2.2/maven-war-plugin-2.2.jar (79 kB at 1.2 MB/s)
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ webapp ---
[INFO] Deleting /home/ec2-user/sample-webapp/webapp/target
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ webapp ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ webapp ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ webapp ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /home/ec2-user/sample-webapp/webapp/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ webapp ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ webapp ---
[INFO] No tests to run.
[INFO]
[INFO] --- maven-war-plugin:2.2:war (default-war) @ webapp ---
[WARNING] Error injecting: org.apache.maven.plugin.war.WarMojo
```



Hello World!

