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BATCH:126

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DATE:31-08-2024

TASK: Deploy manually a Java code in Tomcat

Create an instance, select ubuntu

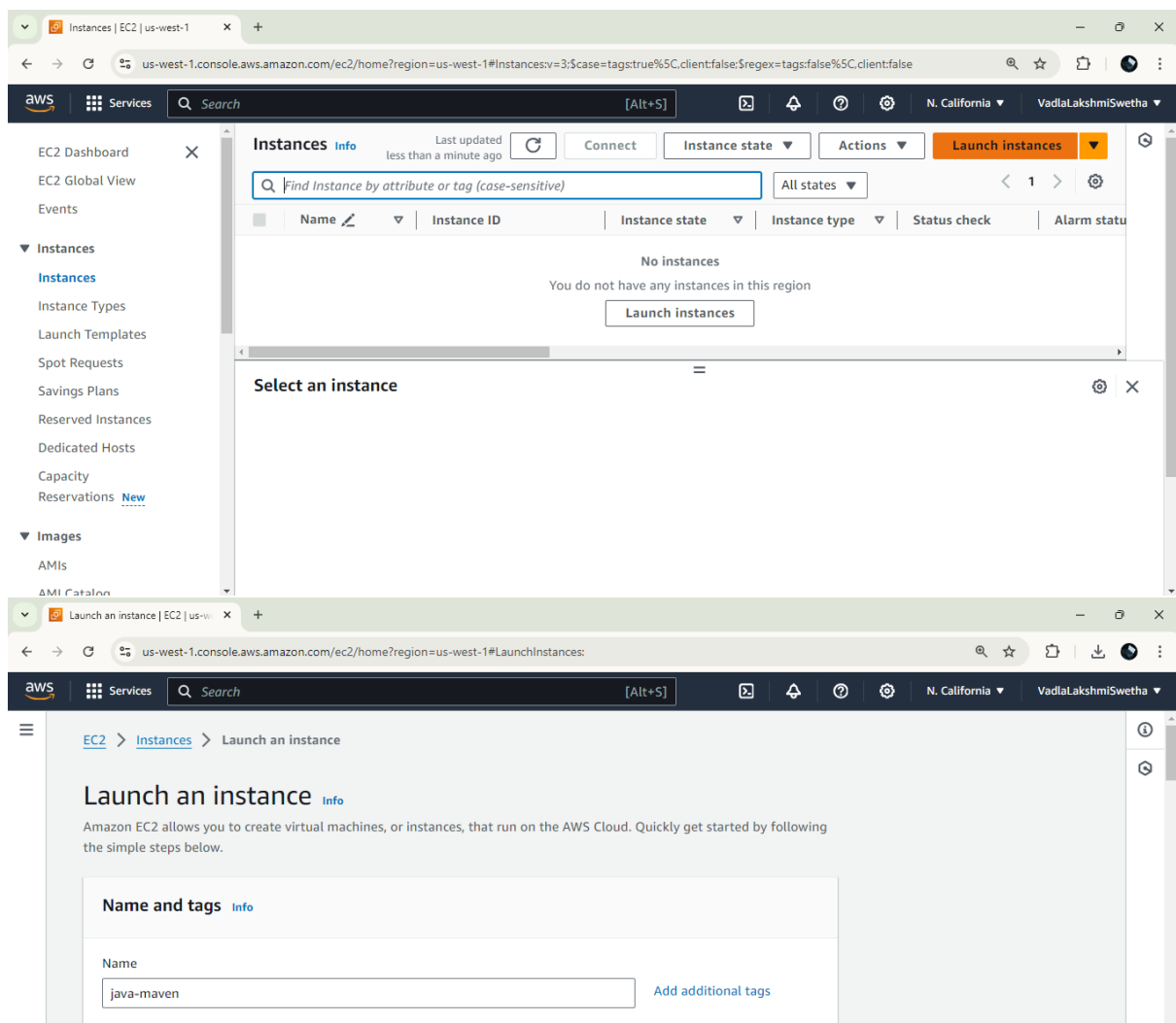
Instance type : t2.medium

Security group name : java-maven

Add inbound rule in security group : port number- 8080

Launch the instance now

And then connect to it



Launch an instance | EC2 | us-west-1

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

Services Search [Alt+S]

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Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recents Quick Start

Amazon Linux

Ubuntu

Windows

Red Hat

SUSE Linux

Debian

Browse more AMIs
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
ami-0d53d72369335a9d6 (64-bit (x86)) / ami-06098d756d39a2267 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Launch an instance | EC2 | us-west-1

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

Services Search [Alt+S]

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Instance type Info Get advice

Instance type

t2.medium
Family: t2 2 vCPU 4 GiB Memory Current generation: true
On-Demand RHEL base pricing: 0.084 USD per Hour
On-Demand Linux base pricing: 0.0552 USD per Hour
On-Demand Windows base pricing: 0.0732 USD per Hour
On-Demand SUSE base pricing: 0.1552 USD per Hour

All generations
Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login) Info

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
java-maven

Create new key pair

Launch an instance | EC2 | us-west-1

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

Services Search [Alt+S]

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Network settings Info

VPC - required Info
vpc-0e4e3a5244cf87b2a (default)
172.31.0.0/16

Subnet Info
subnet-0ae0ea7fd0e064a71
VPC: vpc-0e4e3a5244cf87b2a Owner: 471112914581 Availability Zone: us-west-1a
Zone type: Availability Zone IP addresses available: 4091 CIDR: 172.31.0.0/20

Create new subnet

Auto-assign public IP Info
Enable

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

Security group name - required
java-maven

Launch an instance | EC2 | us-west-1

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

Services Search [Alt+S]

Security group rule 2 (TCP, 8080, 0.0.0.0/0)

Remove

Type Custom TCP Protocol TCP Port range 8080

Source type Custom Source 0.0.0.0/0 Description - optional e.g. SSH for admin desktop

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.

Add security group rule

Advanced network configuration

Launch an instance | EC2 | us-west-1

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

Services Search [Alt+S]

EC2 > Instances > Launch an instance

Success
Successfully initiated launch of Instance (i-08135c97f03a76ee1)

Instances | EC2 | us-west-1

us-west-1.console.aws.amazon.com/ec2/home?region=us-west-1#Instances:

Services Search [Alt+S]

EC2 Dashboard
EC2 Global View
Events

Instances (1/1) Info

Last updated less than a minute ago

Connect Instance state Actions Launch instances

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

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
java-maven	i-08135c97f03a76ee1	Running	t2.medium	Initializing	View alarms

i-08135c97f03a76ee1 (java-maven)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary Info

Instance ID i-08135c97f03a76ee1 (java-maven)

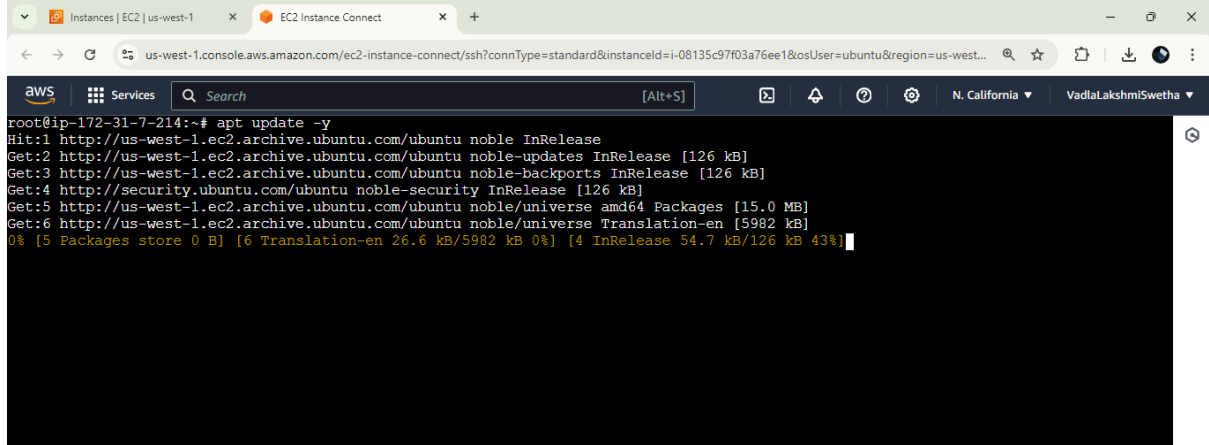
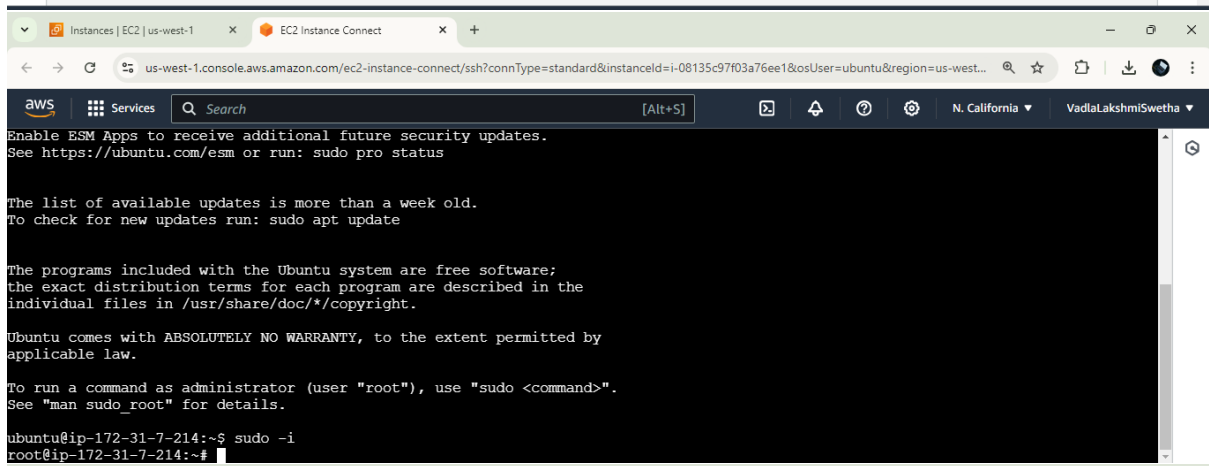
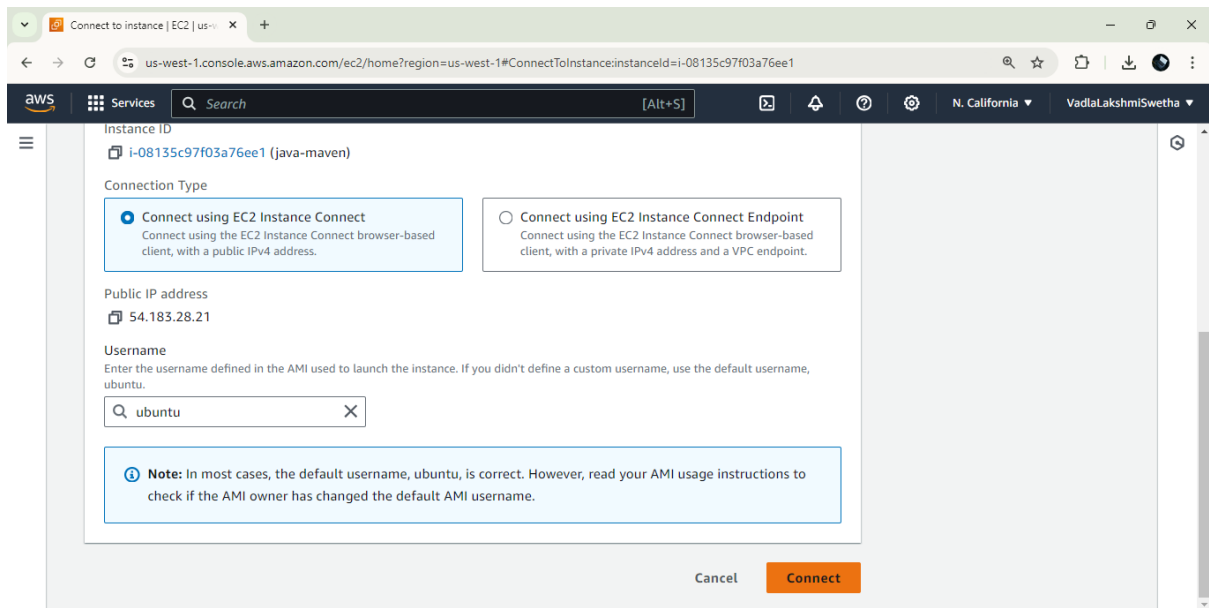
Public IPv4 address 54.183.28.21 | open address

Private IPv4 addresses 172.31.7.214

IPV6 address -

Instance state Running

Public IPv4 DNS



Install jdk:-

```
root@ip-172-31-7-214:~# apt install default-jdk -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
adwaita-icon-theme alsa-topology-conf alsa-ucm-conf at-spi2-common at-spi2-core ca-certificates-java dconf-gsettings-backend
dconf-service default-jdk-headless default-jre default-jre-headless fontconfig fontconfig-config fonts-dejavu-core
fonts-dejavu-extra fonts-dejavu-mono gsettings-desktop-schemas gtk-update-icon-cache hicolor-icon-theme humanity-icon-theme
java-common libasound2-data libasound2t64 libatk-bridge2.0-0t64 libatk-wrapper-java libatk-wrapper-java-jni libatk1.0-0t64
libatspi2.0-0t64 libavahi-client3 libavahi-common-data libavahi-common3 libcairo-gobject2 libcairo2 libcolor2 libcupst64
libdat1 libdconf1 libdeflate0 libdrm-amdgpu1 libdrm-intel1 libdrm-nouveau2 libdrm-radeon1 libepoxy0 libfontconfig1
libgdk-pixbuf-2.0-0 libgdk-pixbuf2.0-bin libgdk-pixbuf2.0-common libgif7 libgl1 libgl1-amd-dri libgl1-mesa-dri libglapi-mesa
libglvnd0 libglx-mesa0 libglx0 libgraphite2-3 libgtk-3-0t64 libgtk-3-bin libgtk-3-common libharfbuzz0b libice-dev libice6
libjbig0 libjpeg-turbo8 libjpeg8 liblcms2-2 liblerc4 libllvmlt64 libpango-1.0-0 libpangocairo-1.0-0 libpangoft2-1.0-0
libpciaccess0 libpcsc-lite libpixmap-1-0 libpthread-stubs0-dev librsync2-2 librsync2-common libsharpyuv0 libsm-dev libsm6
libthai-data libthai0 libtiff6 libvulkan1 libwayland-client0 libwayland-cursor0 libwayland-egl1 libwebp7 libx11-dev libx11-xcb1
libxau-dev libxaw7 libxcb-dri2-0 libxcb-dri3-0 libxcb-glx0 libxcb-present0 libxcb-randr0 libxcb-render0 libxcb-shape0
libxcb-shm0 libxcb-sync1 libxcb-xfixes0 libxcb1-dev libxcomposite1 libxcursor1 libxdamage1 libxdmcp-dev libxfixes3 libxft2
libxi6 libxinerama1 libxkbfile1 libxmu6 libxpm4 libxrandr2 libxrender1 libxshmfence1 libxt-dev libxt6t64 libxtst6 libxv1
libxxf86dga1 libxxf86vm1 mesa-vulkan-drivers openjdk-21-jdk openjdk-21-jdk-headless openjdk-21-jre openjdk-21-jre-headless
```

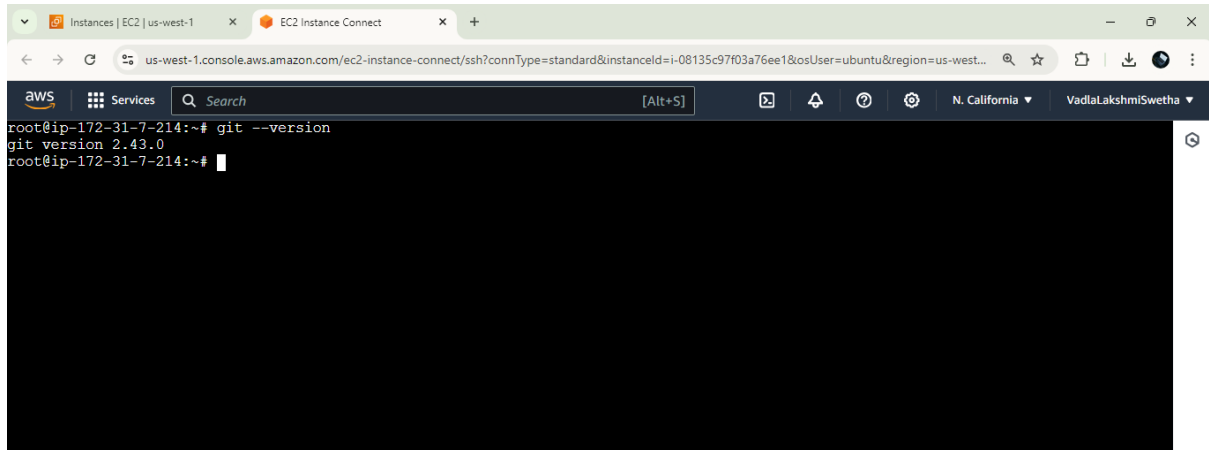
Check the version of java:-

```
root@ip-172-31-7-214:~# java --version
openjdk 21.0.4 2024-07-16
OpenJDK Runtime Environment (build 21.0.4+7-Ubuntu-1ubuntu224.04)
OpenJDK 64-Bit Server VM (build 21.0.4+7-Ubuntu-1ubuntu224.04, mixed mode, sharing)
root@ip-172-31-7-214:~#
```

Install maven and check the version:-

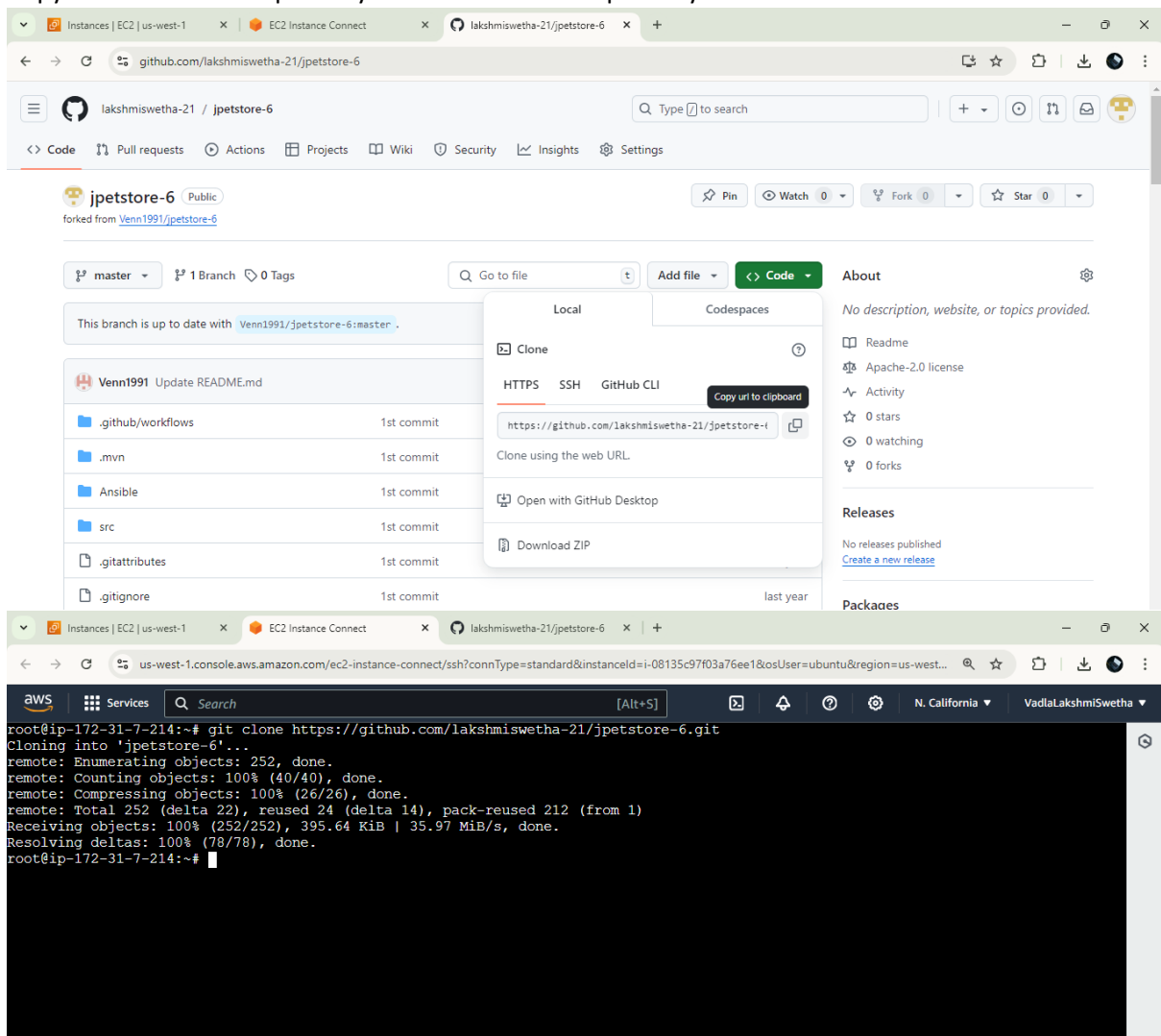
```
root@ip-172-31-7-214:~# apt install maven -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
libaopalliance-java libapache-pom-java libatinject-jsr330-api-java libcdi-api-java libcommons-cli-java libcommons-io-java
libcommons-lang3-java libcommons-parent-java liberror-prone-java libgeronimo-annotation-1.3-spec-java
libgeronimo-interceptor-3.0-spec-java libguava-java libguice-java libjansi-java libjsr305-java libmaven-parent-java
libmaven-resolver-java libmaven-shared-utils-java libmaven3-core-java libplexus-cipher-java libplexus-classworlds-java
libplexus-component-annotations-java libplexus-interpolation-java libplexus-sec-dispatcher-java libplexus-utils2-java
libsisu-inject-java libsisu-plexus-java libslf4j-java libwagon-file-java libwagon-http-shaded-java libwagon-provider-api-java
Suggested packages:
libatinject-jsr330-api-java-doc libel-api-java libcommons-io-java-doc libasm-java libcglib-java libjsr305-java-doc
libmaven-shared-utils-java-doc liblogback-java libplexus-utils2-java-doc junit4 testng libcommons-logging-java liblog4j1.2-java
The following NEW packages will be installed:
libaopalliance-java libapache-pom-java libatinject-jsr330-api-java libcdi-api-java libcommons-cli-java libcommons-io-java
libcommons-lang3-java libcommons-parent-java liberror-prone-java libgeronimo-annotation-1.3-spec-java
libgeronimo-interceptor-3.0-spec-java libguava-java libguice-java libjansi-java libjsr305-java libmaven-parent-java
libmaven-resolver-java libmaven-shared-utils-java libmaven3-core-java libplexus-cipher-java libplexus-classworlds-java
libplexus-component-annotations-java libplexus-interpolation-java libplexus-sec-dispatcher-java libplexus-utils2-java
root@ip-172-31-7-214:~# mvn --version
Apache Maven 3.8.7
Maven home: /usr/share/maven
Java version: 21.0.4, vendor: Ubuntu, runtime: /usr/lib/jvm/java-21-openjdk-amd64
Default locale: en, platform encoding: UTF-8
OS name: "linux", version: "6.8.0-1012-aws", arch: "amd64", family: "unix"
root@ip-172-31-7-214:~#
```

Check the git version:-



```
root@ip-172-31-7-214:~# git --version
git version 2.43.0
root@ip-172-31-7-214:~#
```

Copy the code of the repository and clone to local repository:-



The screenshot shows the GitHub repository page for 'jpetstore-6' by user 'lakshmiswetha-21'. The repository is a fork of 'Venn1991/jpetstore-6'. The 'Code' button is highlighted, and a dropdown menu is open showing options to clone the repository using HTTPS, SSH, or GitHub CLI. The HTTPS URL is 'https://github.com/lakshmiswetha-21/jpetstore-6.git'. Below the repository page, a terminal window shows the command 'git clone https://github.com/lakshmiswetha-21/jpetstore-6.git' being executed. The output shows the cloning progress, including enumerating objects, counting objects, compressing objects, and receiving objects.

```
root@ip-172-31-7-214:~# git clone https://github.com/lakshmiswetha-21/jpetstore-6.git
Cloning into 'jpetstore-6'...
remote: Enumerating objects: 252, done.
remote: Counting objects: 100% (40/40), done.
remote: Compressing objects: 100% (26/26), done.
remote: Total 252 (delta 22), reused 24 (delta 14), pack-reused 212 (from 1)
Receiving objects: 100% (252/252), 395.64 KiB | 35.97 MiB/s, done.
Resolving deltas: 100% (78/78), done.
root@ip-172-31-7-214:~#
```

```
root@ip-172-31-7-214:~# ls
jpetstore-6 snap
root@ip-172-31-7-214:~# cd jpetstore-6/
root@ip-172-31-7-214:~/jpetstore-6# ls
Ansible Jenkinsfile LICENSE_HEADER README.md docker-compose.yaml mvnw pom.xml src
Dockerfile LICENSE NOTICE deployment.yaml format.xml mvnw.cmd renovate.json
root@ip-172-31-7-214:~/jpetstore-6#
```

```
root@ip-172-31-7-214:~/jpetstore-6# mvn validate
Downloading from central: https://repo.maven.apache.org/maven2/fr/jcgay/maven/maven-profiler/3.2/maven-profiler-3.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/fr/jcgay/maven/maven-profiler/3.2/maven-profiler-3.2.pom (8.7 kB at 1
8 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/fr/jcgay/maven/jcgay-build-configuration/1.19/jcgay-build-configurat
ion-1.19.pom
Downloaded from central: https://repo.maven.apache.org/maven2/fr/jcgay/maven/jcgay-build-configuration/1.19/jcgay-build-configurat
ion-1.19.pom (13 kB at 57 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/com/google/guava/guava/11.0.2/guava-11.0.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/guava/guava/11.0.2/guava-11.0.2.pom (5.5 kB at 25 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/com/google/guava/guava-parent/11.0.2/guava-parent-11.0.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/guava/guava-parent/11.0.2/guava-parent-11.0.2.pom (2.0 kB
at 10 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/sonatype/oss/oss-parent/7/oss-parent-7.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/sonatype/oss/oss-parent/7/oss-parent-7.pom (4.8 kB at 25 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/com/google/code/findbugs/jsr305/1.3.9/jsr305-1.3.9.pom
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/code/findbugs/jsr305/1.3.9/jsr305-1.3.9.pom (965 B at 4.5
kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/com/github/jknack/handlebars/4.3.0/handlebars-4.3.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/com/github/jknack/handlebars/4.3.0/handlebars-4.3.0.pom (12 kB at 52
```

```
Downloading from central: https://repo.maven.apache.org/maven2/org/sonatype/plexus/plexus-build-api/0.0.7/plexus-build-api-0.0.7.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/sonatype/plexus/plexus-build-api/0.0.7/plexus-build-api-0.0.7.jar
Downloading from central: https://repo.maven.apache.org/maven2/joda-time/joda-time/2.12.5/joda-time-2.12.5.jar (638 kB at 1.5 MB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.5.8/plexus-utils-1.5.8.jar
Downloaded from central: https://repo.maven.apache.org/maven2/javax/json/javax.json-api/1.1.4/javax.json-api-1.1.4.jar (31 kB at 69
kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/yaml/snakeyaml/2.0/snakeyaml-2.0.jar (335 kB at 582 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/glassfish/javax.json/1.1.4/javax.json-1.1.4.jar (129 kB at 212 kB
/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.5.8/plexus-utils-1.5.8.jar (268 kB
at 436 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/sonatype/plexus/plexus-build-api/0.0.7/plexus-build-api-0.0.7.jar
(8.5 kB at 10 kB/s)
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 01:45 min
[INFO] Finished at: 2024-09-01T13:13:55Z
[INFO] -----
root@ip-172-31-7-214:~/jpetstore-6#
```

```
root@ip-172-31-7-214:~/jpetstore-6# mvn compile
[INFO] Scanning for projects...
[INFO]
[INFO] -----< org.mybatis:jpetstore >-----
[INFO] Building JPetStore Demo 6 6.1.1-SNAPSHOT
[INFO] [ war ]-----
Downloading from sonatype-oss-snapshots: https://oss.sonatype.org/content/repositories/snapshots/com/github/hazendaz/maven/whitespa
ce-maven-plugin/1.3.0/whitespace-maven-plugin-1.3.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/com/github/hazendaz/maven/whitespace-maven-plugin/1.3.0/whitespace-m
aven-plugin-1.3.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/com/github/hazendaz/maven/whitespace-maven-plugin/1.3.0/whitespace-ma
ven-plugin-1.3.0.pom (8.4 kB at 120 kB/s)
Downloading from sonatype-oss-snapshots: https://oss.sonatype.org/content/repositories/snapshots/com/github/hazendaz/base-parent/39
/base-parent-39.pom
Downloaded from central: https://repo.maven.apache.org/maven2/com/github/hazendaz/base-parent/39/base-parent-39.pom
Downloaded from central: https://repo.maven.apache.org/maven2/com/github/hazendaz/base-parent/39/base-parent-39.pom (88 kB at 2.9 M
B/s)
Downloading from sonatype-oss-snapshots: https://oss.sonatype.org/content/repositories/snapshots/com/github/hazendaz/maven/whitespa
ce-maven-plugin/1.3.0/whitespace-maven-plugin-1.3.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/com/github/hazendaz/maven/whitespace-maven-plugin/1.3.0/whitespace-m
```



```
Instances | EC2 | us-west-1 x EC2 Instance Connect x lakshmiswetha-21/jpetstore-6 x +
us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08135c97f03a76ee1&osUser=ubuntu&region=us-west-1...

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[WARNING] Unknown file extension: /root/jpetstore-6/Jenkinsfile1
[WARNING] Unable to find a comment style definition for some files. You may want to add a custom mapping for the relevant file extensions.
[INFO] --- maven-resources-plugin:3.3.1:resources (default-resources) @ jpetstore ---
[INFO] Copying 10 resources from src/main/resources to target/classes
[INFO] Copying 2 resources from  to target/classes/META-INF
[INFO] --- maven-compiler-plugin:3.11.0:compile (default-compile) @ jpetstore ---
[INFO] Compiling 23 source files with javac [debug release 8] to target/classes
[WARNING] source value 8 is obsolete and will be removed in a future release
[WARNING] target value 8 is obsolete and will be removed in a future release
[WARNING] To suppress warnings about obsolete options, use -Xlint:-options.
[INFO] BUILD SUCCESS
[INFO] Total time: 01:46 min
[INFO] Finished at: 2024-09-01T13:34:36Z
[INFO]
root@ip-172-31-7-214:~/jpetstore-6#
```

```
Instances | EC2 | us-west-1 x EC2 Instance Connect x lakshmiswetha-21/jpetstore-6 x +
us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08135c97f03a76ee1&osUser=ubuntu&region=us-west-1...

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root@ip-172-31-7-214:~/jpetstore-6# ls
Ansible Jenkinsfile LICENSE_HEADER README.md docker-compose.yaml mvnw pom.xml src
Dockerfile LICENSE NOTICE deployment.yaml format.xml mvnw.cmd renovate.json target
root@ip-172-31-7-214:~/jpetstore-6#
```

```
Instances | EC2 | us-west-1 x EC2 Instance Connect x lakshmiswetha-21/jpetstore-6 x +
us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08135c97f03a76ee1&osUser=ubuntu&region=us-west-1...

aws Services Search [Alt+S] N. California VadiaLakshmiSwetha

root@ip-172-31-7-214:~/jpetstore-6# mvn clean
[INFO] Scanning for projects...
[INFO]
[INFO] -----< org.mybatis:jpetstore >-----
[INFO] Building JPetStore Demo 6 6.1.1-SNAPSHOT
[INFO] -----[ war ]-----
Downloading from sonatype-oss-snapshots: https://oss.sonatype.org/content/repositories/snapshots/org/apache/maven/plugins/maven-clean-plugin/3.2.0/maven-clean-plugin-3.2.0.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.2.0/maven-clean-plugin-3.2.0.pom
Progress (1): 5.3 kB
```

```
Instances | EC2 | us-west-1 x EC2 Instance Connect x lakshmiswetha-21/jpetstore-6 x +
us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08135c97f03a76ee1&osUser=ubuntu&region=us-west-1...

aws Services Search [Alt+S] N. California VadiaLakshmiSwetha

/s)
Downloading from sonatype-oss-snapshots: https://oss.sonatype.org/content/repositories/snapshots/org/apache/apache/25/apache-25.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/apache/25/apache-25.pom
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/apache/25/apache-25.pom (21 kB at 102 kB/s)
Downloading from sonatype-oss-snapshots: https://oss.sonatype.org/content/repositories/snapshots/org/apache/maven/plugins/maven-clean-plugin/3.2.0/maven-clean-plugin-3.2.0.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.2.0/maven-clean-plugin-3.2.0.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.2.0/maven-clean-plugin-3.2.0.jar (36 kB at 159 kB/s)
[INFO] --- maven-clean-plugin:3.2.0:clean (default-clean) @ jpetstore ---
[INFO] Deleting /root/jpetstore-6/target
[INFO] BUILD SUCCESS
[INFO] Total time: 2.277 s
[INFO] Finished at: 2024-09-01T13:35:57Z
[INFO]
root@ip-172-31-7-214:~/jpetstore-6#
```



```
root@ip-172-31-7-214:~/jpetstore-6# ls
Ansible      Jenkinsfile  LICENSE_HEADER  README.md      docker-compose.yaml  mvnw      pom.xml      src
Dockerfile   LICENSE      NOTICE         deployment.yaml  format.xml           mvnw.cmd  renovate.json
root@ip-172-31-7-214:~/jpetstore-6#
```

```
root@ip-172-31-7-214:~/jpetstore-6# mvn test
[INFO] Scanning for projects...
[INFO]
[INFO] -----< org.mybatis:jpetstore >-----
[INFO] Building JPetStore Demo 6 6.1.1-SNAPSHOT
[INFO] -----[ war ]-----
[INFO] Downloading from sonatype-oss-snapshots: https://oss.sonatype.org/content/repositories/snapshots/org/apache/felix/maven-bundle-plugin/5.1.9/maven-bundle-plugin-5.1.9.pom
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/felix/maven-bundle-plugin/5.1.9/maven-bundle-plugin-5.1.9.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/felix/maven-bundle-plugin/5.1.9/maven-bundle-plugin-5.1.9.pom (11 kB at 44 kB/s)
[INFO] Downloading from sonatype-oss-snapshots: https://oss.sonatype.org/content/repositories/snapshots/org/apache/felix/felix-parent/7/felix-parent-7.pom
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/felix/felix-parent/7/felix-parent-7.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/felix/felix-parent/7/felix-parent-7.pom (21 kB at 66 kB/s)
[INFO] Downloading from sonatype-oss-snapshots: https://oss.sonatype.org/content/repositories/snapshots/org/apache/felix/maven-bundle-plugin/5.1.9/maven-bundle-plugin-5.1.9.jar
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/felix/maven-bundle-plugin/5.1.9/maven-bundle-plugin-5.1.9.jar
```

```
[INFO] Tests run: 11, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.017 s - in org.mybatis.jpetstore.web.actions.CatalogActionBeanTest
[INFO] Running org.mybatis.jpetstore.web.actions.AccountActionBeanTest
[INFO] Tests run: 6, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.01 s - in org.mybatis.jpetstore.web.actions.AccountActionBeanTest
[INFO] Running org.mybatis.jpetstore.web.actions.OrderActionBeanTest
[INFO] Tests run: 4, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.007 s - in org.mybatis.jpetstore.web.actions.OrderActionBeanTest
[INFO] Results:
[INFO]
[INFO] Tests run: 74, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 01:15 min
[INFO] Finished at: 2024-09-01T13:38:06Z
[INFO]
root@ip-172-31-7-214:~/jpetstore-6#
```

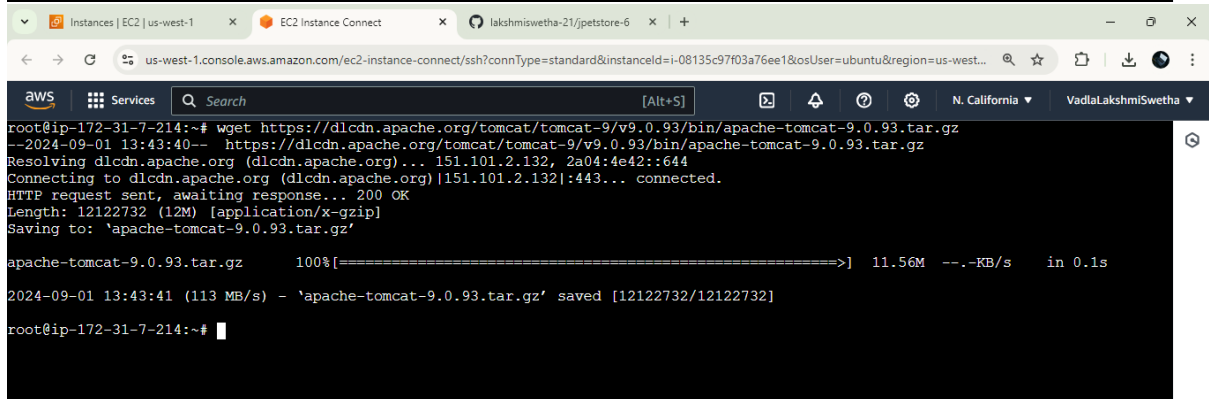
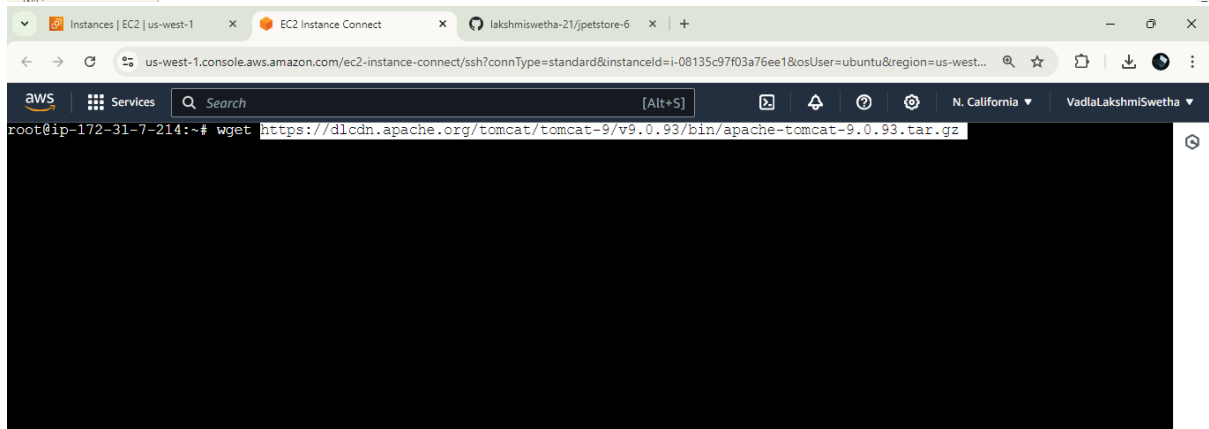
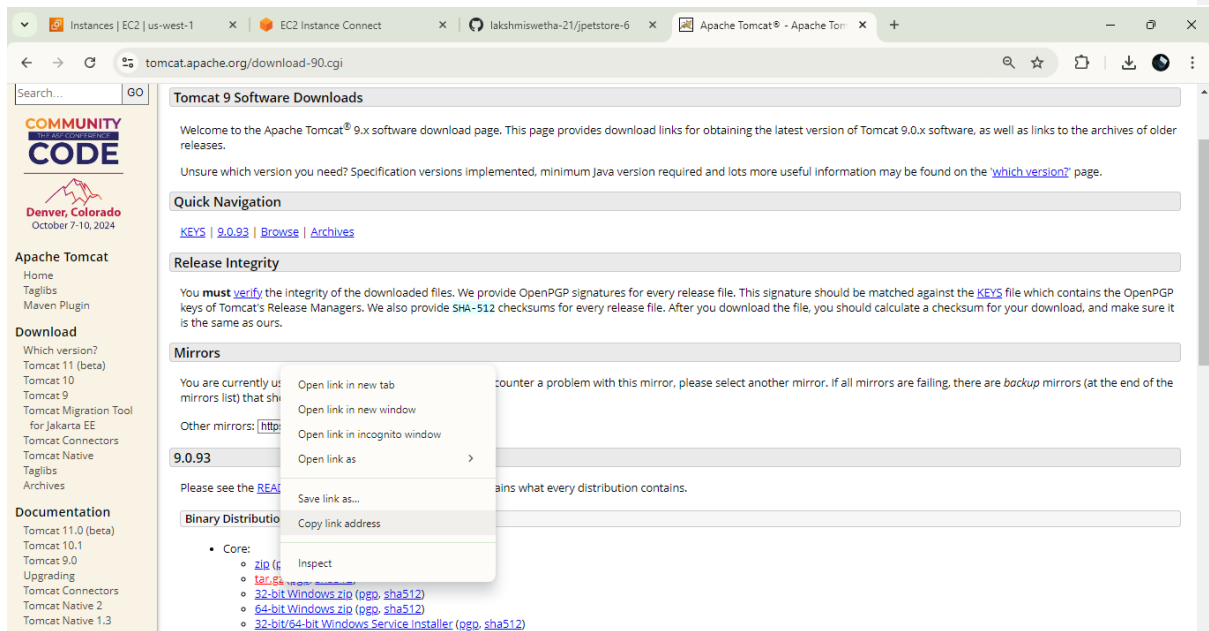
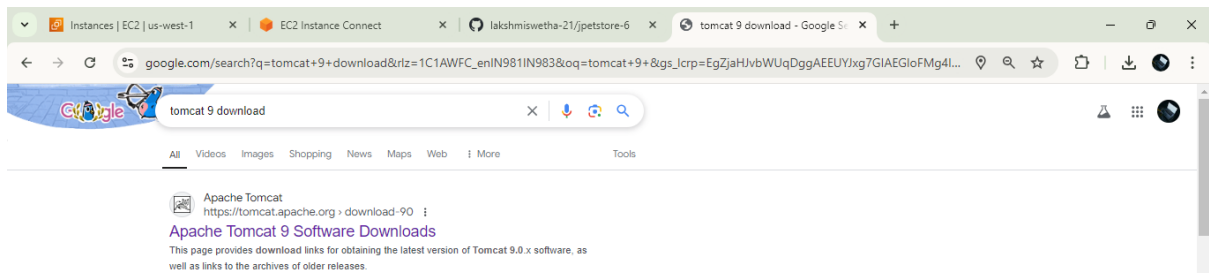
```
root@ip-172-31-7-214:~/jpetstore-6# ls
Ansible      Jenkinsfile  LICENSE_HEADER  README.md      docker-compose.yaml  mvnw      pom.xml      src
Dockerfile   LICENSE      NOTICE         deployment.yaml  format.xml           mvnw.cmd  renovate.json  target
root@ip-172-31-7-214:~/jpetstore-6# cd target/
root@ip-172-31-7-214:~/jpetstore-6/target# ls
classes      generated-sources  import-maven-cache.properties  osgi      surefire-reports
formatter-maven-cache.properties  generated-test-sources  jacoco.exec      site      test-classes
root@ip-172-31-7-214:~/jpetstore-6/target#
```

```
root@ip-172-31-7-214:~/jpetstore-6/target# cd ..
root@ip-172-31-7-214:~/jpetstore-6# mvn package
[INFO] Scanning for projects...
```

```
Downloading from central: https://repo.maven.apache.org/maven2/org/eclipse/jetty/jetty-util/9.4.46.v20220331/jetty-util-9.4.46.v20220331.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/eclipse/jetty/jetty-util/9.4.46.v20220331/jetty-util-9.4.46.v20220331.jar (119 kB at 27 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/eclipse/jetty/jetty-security/9.4.46.v20220331/jetty-security-9.4.46.v20220331.jar (67 kB at 15 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/eclipse/jetty/jetty-util-ajax/9.4.46.v20220331/jetty-util-ajax-9.4.46.v20220331.jar (141 kB at 31 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/eclipse/jetty/jetty-webapp/9.4.46.v20220331/jetty-webapp-9.4.46.v20220331.jar (69 kB at 15 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/eclipse/jetty/jetty-xml/9.4.46.v20220331/jetty-xml-9.4.46.v20220331.jar (586 kB at 127 kB/s)
[INFO] Skipping because packaging 'war' is not pom.
[INFO] BUILD SUCCESS
[INFO] Total time: 01:21 min
[INFO] Finished at: 2024-09-01T13:40:54Z
[INFO]
```

```
root@ip-172-31-7-214:~/jpetstore-6# ls
Ansible      Jenkinsfile  LICENSE      README.md    docker-compose.yaml  mvnw          pom.xml      src
Dockerfile   NOTICE      deployment.yaml  format.xml  mvnw.cmd        renovate.json target
root@ip-172-31-7-214:~/jpetstore-6# cd target/
root@ip-172-31-7-214:~/jpetstore-6/target# ls
classes          generated-test-sources  jpetstore      osgi          test-classes
formatter-maven-cache.properties  import-maven-cache.properties  jpetstore.war  site
generated-sources  jacoco.exec            maven-archiver  surefire-reports
```

```
root@ip-172-31-7-214:~/jpetstore-6/target# cd ..
root@ip-172-31-7-214:~/jpetstore-6# cd
root@ip-172-31-7-214:~#
```



```
root@ip-172-31-7-214:~# ls
apache-tomcat-9.0.93.tar.gz jpetstore-6 snap
root@ip-172-31-7-214:~# tar -xvzf apache-tomcat-9.0.93.tar.gz
apache-tomcat-9.0.93/conf/
apache-tomcat-9.0.93/conf/catalina.policy
apache-tomcat-9.0.93/conf/catalina.properties
apache-tomcat-9.0.93/conf/context.xml
apache-tomcat-9.0.93/conf/jaspic-providers.xml
apache-tomcat-9.0.93/conf/jaspic-providers.xsd
apache-tomcat-9.0.93/conf/logging.properties
apache-tomcat-9.0.93/conf/server.xml
apache-tomcat-9.0.93/conf/tomcat-users.xml
apache-tomcat-9.0.93/conf/tomcat-users.xsd
apache-tomcat-9.0.93/conf/web.xml
apache-tomcat-9.0.93/bin/
apache-tomcat-9.0.93/lib/
apache-tomcat-9.0.93/logs/
apache-tomcat-9.0.93/temp/
apache-tomcat-9.0.93/webapps/
apache-tomcat-9.0.93/webapps/ROOT/
```

```
root@ip-172-31-7-214:~# mv apache-tomcat-9.0.93 tomcat
root@ip-172-31-7-214:~# mv tomcat /opt
root@ip-172-31-7-214:~# cd /opt
root@ip-172-31-7-214:/opt# ls
tomcat
root@ip-172-31-7-214:/opt# cd tomcat/
root@ip-172-31-7-214:/opt/tomcat# ls
BUILDING.txt CONTRIBUTING.md LICENSE NOTICE README.md RELEASE-NOTES RUNNING.txt bin conf lib logs temp webapps work
root@ip-172-31-7-214:/opt/tomcat# cd bin/
root@ip-172-31-7-214:/opt/tomcat/bin# ./startup.sh
Using CATALINA_BASE:   /opt/tomcat
Using CATALINA_HOME:   /opt/tomcat
Using CATALINA_TMPDIR: /opt/tomcat/temp
Using JRE_HOME:        /usr
Using CLASSPATH:       /opt/tomcat/bin/bootstrap.jar:/opt/tomcat/bin/tomcat-juli.jar
Tomcat started.
root@ip-172-31-7-214:/opt/tomcat/bin#
```

Instance details | EC2 | us-west-1

EC2 Instance Connect

Instance summary for i-08135c97f03a76ee1 (java-maven) info

Updated less than a minute ago

Instance ID: i-08135c97f03a76ee1 (java-maven) | 54.183.28.21 | open address

Instance state: Running

Private IP DNS name (IPv4 only): ip-172-31-7-214.us-west-1.compute.internal

Instance type: t2.medium

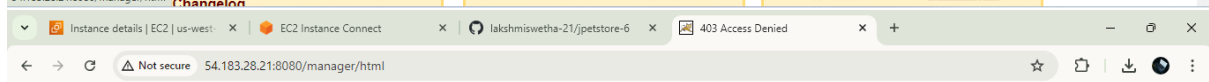
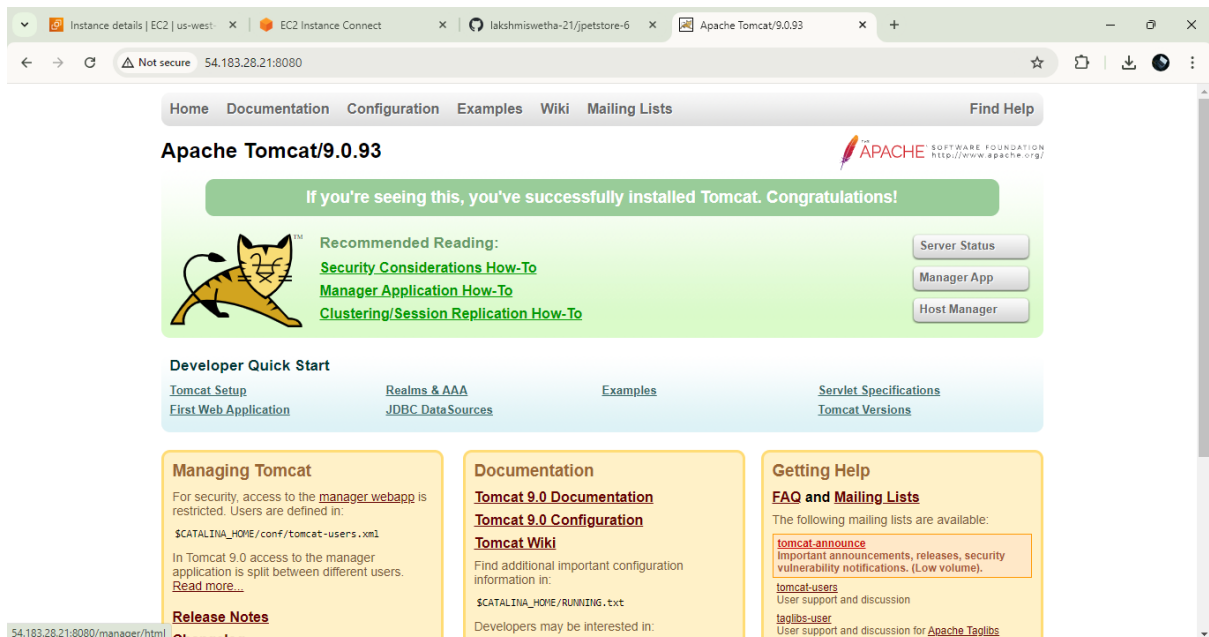
Public IPv4 addresses: 172.31.7.214

Public IPv4 DNS: ec2-54-183-28-21.us-west-1.compute.amazonaws.com | open address

54.183.28.21:8080

54.183.28.21:8080

54.183.28.21:8080 - Google Search



403 Access Denied

You are not authorized to view this page.

By default the Manager is only accessible from a browser running on the same machine as Tomcat. If you wish to modify this restriction, you'll need to edit the Manager's `context.xml` file.

If you have already configured the Manager application to allow access and you have used your browsers back button, used a saved book-mark or similar then you may have triggered the cross-site request forgery (CSRF) protection that has been enabled for the HTML interface of the Manager application. You will need to reset this protection by returning to the [main Manager page](#). Once you return to this page, you will be able to continue using the Manager application's HTML interface normally. If you continue to see this access denied message, check that you have the necessary permissions to access this application.

If you have not changed any configuration files, please examine the file `conf/tomcat-users.xml` in your installation. That file must contain the credentials to let you use this webapp.

For example, to add the `manager-gui` role to a user named `tomcat` with a password of `js3cret`, add the following to the config file listed above.

```
<role rolename="manager-gui"/>
<user username="tomcat" password="js3cret" roles="manager-gui"/>
```

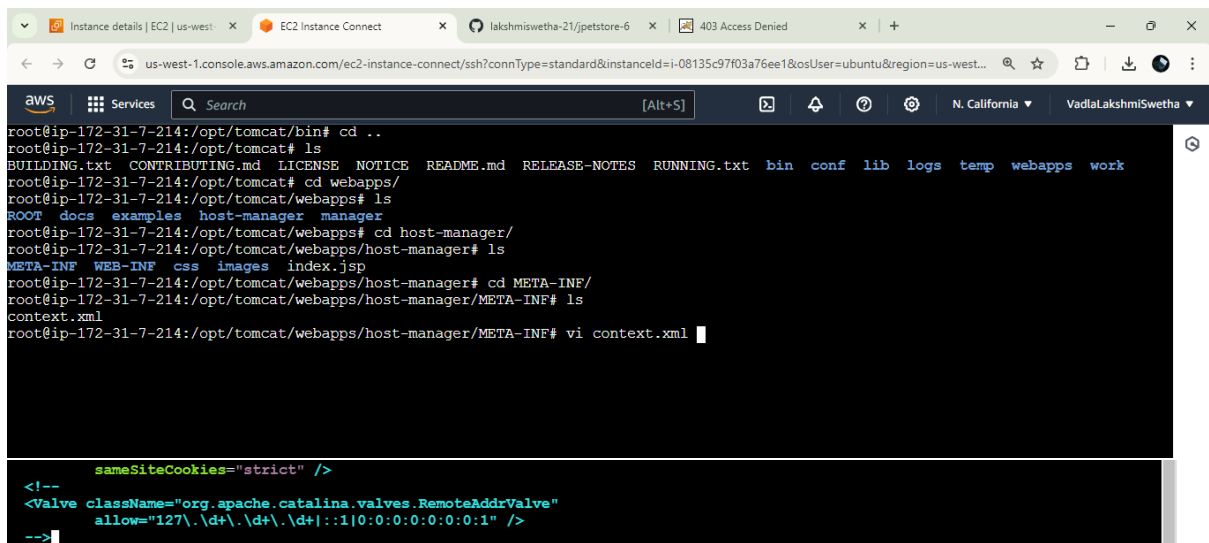
Note that for Tomcat 7 onwards, the roles required to use the manager application were changed from the single `manager` role to the following four roles. You will need to assign the role(s) required for the functionality you wish to access.

- `manager-gui` - allows access to the HTML GUI and the status pages
- `manager-script` - allows access to the text interface and the status pages
- `manager-jmx` - allows access to the JMX proxy and the status pages
- `manager-status` - allows access to the status pages only

The HTML interface is protected against CSRF but the text and JMX interfaces are not. To maintain the CSRF protection:

- Users with the `manager-gui` role should not be granted either the `manager-script` or `manager-jmx` roles.
- If the text or jmx interfaces are accessed through a browser (e.g. for testing since these interfaces are intended for tools not humans) then the browser must be closed afterwards to terminate the session.

For more information - please see the [Manager App How-To](#).



```
aws Instance details | EC2 | us-west-1 x EC2 Instance Connect x lakshmiwetha-21/jpetstore-6 x 403 Access Denied x +
us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08135c97f03a76ee1&osUser=ubuntu&region=us-west-1

root@ip-172-31-7-214:/opt/tomcat/webapps/host-manager/META-INF# cd ..
root@ip-172-31-7-214:/opt/tomcat/webapps/host-manager# cd ..
root@ip-172-31-7-214:/opt/tomcat/webapps# ls
ROOT docs examples host-manager manager
root@ip-172-31-7-214:/opt/tomcat/webapps# cd manager/
root@ip-172-31-7-214:/opt/tomcat/webapps/manager# ls
META-INF WEB-INF css images index.jsp status.xsd xform.xsl
root@ip-172-31-7-214:/opt/tomcat/webapps/manager# cd META-INF/
root@ip-172-31-7-214:/opt/tomcat/webapps/manager/META-INF# ls
context.xml
root@ip-172-31-7-214:/opt/tomcat/webapps/manager/META-INF# vi context.xml
```

```
<!--
<Valve className="org.apache.catalina.valves.RemoteAddrValve"
      allow="127\.\d+\.\d+\.\d+|::1|0:0:0:0:0:0:0:1" />
-->
```

```
aws Instance details | EC2 | us-west-1 x EC2 Instance Connect x lakshmiwetha-21/jpetstore-6 x 403 Access Denied x +
us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08135c97f03a76ee1&osUser=ubuntu&region=us-west-1

root@ip-172-31-7-214:/opt/tomcat/webapps/manager/META-INF# cd ..
root@ip-172-31-7-214:/opt/tomcat/webapps/manager# cd ..
root@ip-172-31-7-214:/opt/tomcat/webapps# cd ..
root@ip-172-31-7-214:/opt/tomcat# ls
BUILDING.txt CONTRIBUTING.md LICENSE NOTICE README.md RELEASE-NOTES RUNNING.txt bin conf lib logs temp webapps work
root@ip-172-31-7-214:/opt/tomcat# cd bin/
```

```
aws Instance details | EC2 | us-west-1 x EC2 Instance Connect x lakshmiwetha-21/jpetstore-6 x 403 Access Denied x +
us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08135c97f03a76ee1&osUser=ubuntu&region=us-west-1

root@ip-172-31-7-214:/opt/tomcat/bin# ./shutdown.sh
Using CATALINA_BASE:   /opt/tomcat
Using CATALINA_HOME:   /opt/tomcat
Using CATALINA_TMPDIR: /opt/tomcat/temp
Using JRE_HOME:        /usr
Using CLASSPATH:        /opt/tomcat/bin/bootstrap.jar:/opt/tomcat/bin/tomcat-juli.jar
Using CATALINA_OPTS:
NOTE: Picked up JDK JAVA OPTIONS: --add-opens=java.base/java.lang=ALL-UNNAMED --add-opens=java.base/java.io=ALL-UNNAMED --add-opens=java.base/java.util=ALL-UNNAMED --add-opens=java.base/java.util.concurrent=ALL-UNNAMED --add-opens=java.rmi/sun.rmi.transport=ALL-UNNAMED
root@ip-172-31-7-214:/opt/tomcat/bin# ./startup.sh
Using CATALINA_BASE:   /opt/tomcat
Using CATALINA_HOME:   /opt/tomcat
Using CATALINA_TMPDIR: /opt/tomcat/temp
Using JRE_HOME:        /usr
Using CLASSPATH:        /opt/tomcat/bin/bootstrap.jar:/opt/tomcat/bin/tomcat-juli.jar
Using CATALINA_OPTS:
Tomcat started.
root@ip-172-31-7-214:/opt/tomcat/bin#
```

```
aws Instance details | EC2 | us-west-1 x EC2 Instance Connect x lakshmiwetha-21/jpetstore-6 x 403 Access Denied x +
us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08135c97f03a76ee1&osUser=ubuntu&region=us-west-1

54.183.28.21:8080/manager/html
```

403 Access Denied

You are not authorized to view this page.

By default the Manager is only accessible from a browser running on the same machine as Tomcat. If you wish to modify this restriction, you'll need to edit the Manager's `context.xml` file.

If you have already configured the Manager application to allow access and you have used your browsers back button, used a saved book-mark or similar then you may have triggered the cross-site request forgery (CSRF) protection that has been enabled for the HTML interface of the Manager application. You will need to reset this protection by returning to the [main Manager page](#). Once you return to this page, you will be able to continue using the Manager application's HTML interface normally. If you continue to see this access denied message, check that you have the necessary permissions to access this application.

If you have not changed any configuration files, please examine the file `conf/tomcat-users.xml` in your installation. That file must contain the credentials to let you use this webapp.

For example, to add the `manager-gui` role to a user named `tomcat` with a password of `secret`, add the following to the config file listed above.

```
<role rolename="manager-gui"/>
<user username="tomcat" password="secret" roles="manager-gui"/>
```

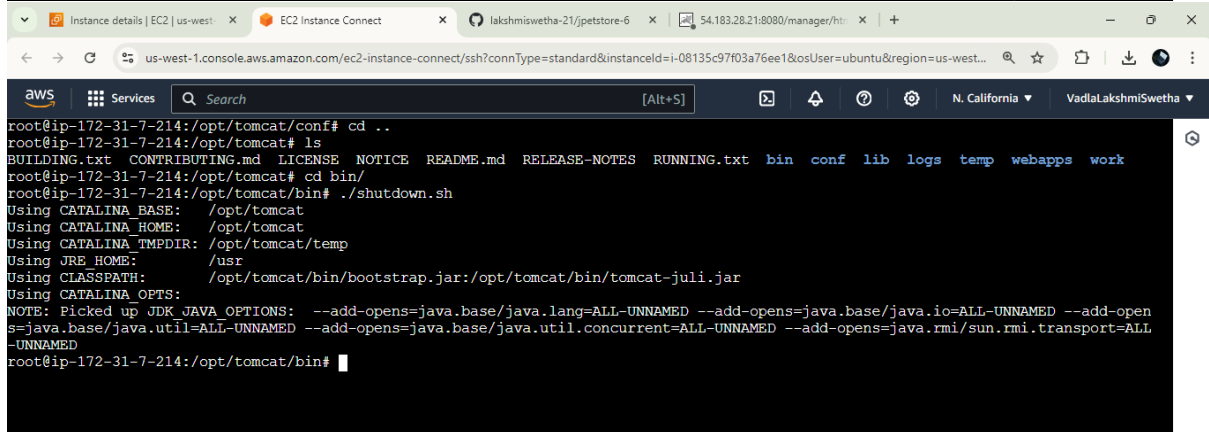
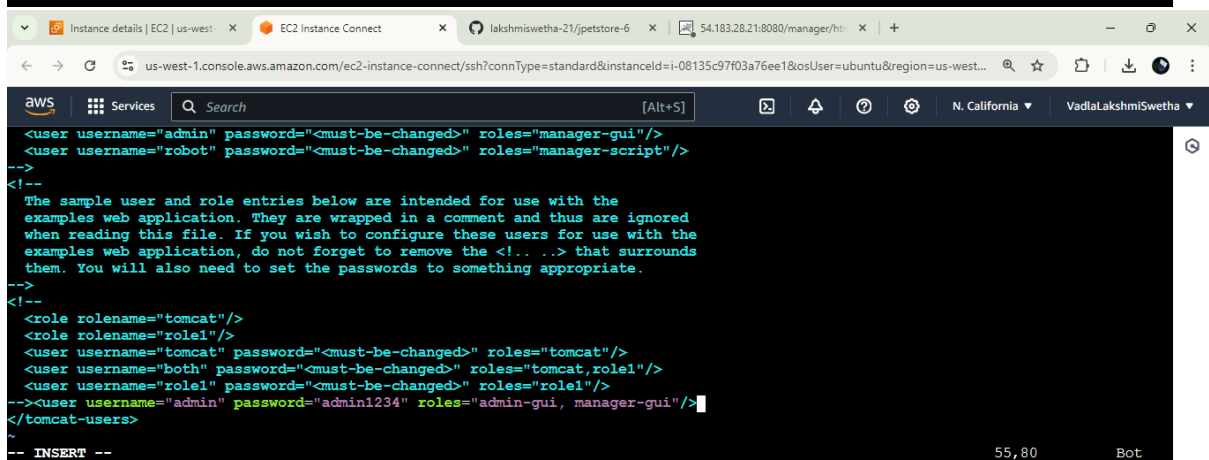
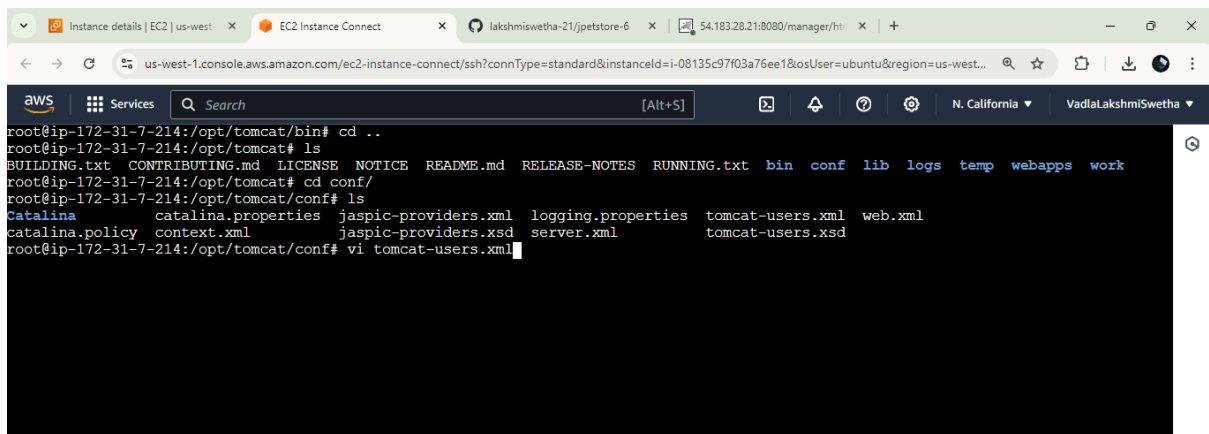
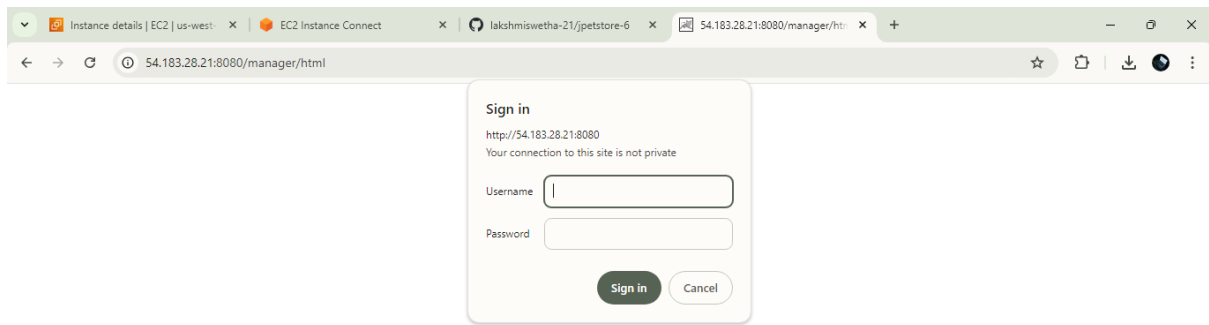
Note that for Tomcat 7 onwards, the roles required to use the manager application were changed from the single `manager` role to the following four roles. You will need to assign the role(s) required for the functionality you wish to access.

- `manager-gui` - allows access to the HTML GUI and the status pages
- `manager-script` - allows access to the text interface and the status pages
- `manager-jmx` - allows access to the JMX proxy and the status pages
- `manager-status` - allows access to the status pages only

The HTML interface is protected against CSRF but the text and JMX interfaces are not. To maintain the CSRF protection:

- Users with the `manager-gui` role should not be granted either the `manager-script` or `manager-jmx` roles.
- If the text or jmx interfaces are accessed through a browser (e.g. for testing since these interfaces are intended for tools not humans) then the browser must be closed afterwards to terminate the session.

For more information - please see the [Manager App How-To](#).




```
root@ip-172-31-7-214:/opt/tomcat/bin# ./startup.sh
Using CATALINA_BASE:   /opt/tomcat
Using CATALINA_HOME:   /opt/tomcat
Using CATALINA_TMPDIR: /opt/tomcat/temp
Using JRE_HOME:        /usr
Using CLASSPATH:       /opt/tomcat/bin/bootstrap.jar:/opt/tomcat/bin/tomcat-juli.jar
Tomcat started.
root@ip-172-31-7-214:/opt/tomcat/bin#
```

Sign in

http://54.183.28.21:8080

Your connection to this site is not private

Username

Password



Sign in

http://54.183.28.21:8080

Your connection to this site is not private

Username

Password



Tomcat Web Application Manager

Message:

Manager

[List Applications](#) [HTML Manager Help](#) [Manager Help](#) [Server Status](#)

Applications					
Path	Version	Display Name	Running	Sessions	Commands
/	None specified	Welcome to Tomcat	true	0	Start Stop Reload Undeploy Expire sessions with idle > 30 minutes
/docs	None specified	Tomcat Documentation	true	0	Start Stop Reload Undeploy Expire sessions with idle > 30 minutes
/examples	None specified	Servlet and JSP Examples	true	0	Start Stop Reload Undeploy Expire sessions with idle > 30 minutes
/host-manager	None specified	Tomcat Host Manager Application	true	0	Start Stop Reload Undeploy Expire sessions with idle > 30 minutes
/manager	None specified	Tomcat Manager Application	true	1	Start Stop Reload Undeploy Expire sessions with idle > 30 minutes

Deploy

Deploy directory or WAR file located on server

Context Path:

Version (for parallel deployment):

WAR filename:

```
root@ip-172-31-7-214:~# ls
apache-tomcat-9.0.93.tar.gz jpetstore-6 snap
root@ip-172-31-7-214:~# cd jpetstore-6/
root@ip-172-31-7-214:~/jpetstore-6# ls
Ansible Jenkinsfile LICENSE_HEADER README.md docker-compose.yaml mvnw pom.xml src
Dockerfile LICENSE NOTICE deployment.yaml format.xml mvnw.cmd renovate.json target
root@ip-172-31-7-214:~/jpetstore-6# cd target/
root@ip-172-31-7-214:~/jpetstore-6/target# ls
classes generated-test-sources jpetstore osgi test-classes
formatter-maven-cache.properties import-maven-cache.properties jpetstore.war site
generated-sources jacoco.exec maven-archiver surefire-reports
root@ip-172-31-7-214:~/jpetstore-6/target#
```

```
root@ip-172-31-7-214:~/jpetstore-6/target# cp /root/jpetstore-6/target/jpetstore.war /opt/tomcat/webapps
root@ip-172-31-7-214:~/jpetstore-6/target#
```

Instance details | EC2 | us-west-1 | EC2 Instance Connect | lakshmiwetha-21/jpetstore-6 | /manager

us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08135c97f03a76ee1&osUser=ubuntu®ion=us-west-1

aws Services Search [Alt+S] N. California VadlaLakshmiSwetha

Tomcat Web Application Manager

Message: OK

Manager

List Applications HTML Manager Help Manager Help Server Status

Applications

Path	Version	Display Name	Running	Sessions	Commands
/	None specified	Welcome to Tomcat	true	0	Start Stop Reload Undeploy Expire sessions with idle > 30 minutes
/docs	None specified	Tomcat Documentation	true	0	Start Stop Reload Undeploy Expire sessions with idle > 30 minutes
/examples	None specified	Servlet and JSP Examples	true	0	Start Stop Reload Undeploy Expire sessions with idle > 30 minutes
/host-manager	None specified	Tomcat Host Manager Application	true	0	Start Stop Reload Undeploy Expire sessions with idle > 30 minutes
/manager	None specified	Tomcat Manager Application	true	1	Start Stop Reload Undeploy Expire sessions with idle > 30 minutes

Deploy

Deploy directory or WAR file located on server

Context Path:
Version (for parallel deployment):
XML Configuration file path:



Instance details | EC2 | us-west-1

EC2 Instance Connect

lakshmiwetha-21/jpetstore-6

/manager

← → ↻ ⚠ Not secure 54.183.28.21:8080/manager/html 🔍 ☆ 📁 ⬇ 🌑 ⋮



Tomcat Web Application Manager

Message: OK

Manager

List ApplicationsHTML Manager HelpManager HelpServer Status

Applications

Path	Version	Display Name	Running	Sessions	Commands
/	None specified	Welcome to Tomcat	true	0	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>
/docs	None specified	Tomcat Documentation	true	0	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>
/examples	None specified	Servlet and JSP Examples	true	0	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>
/host-manager	None specified	Tomcat Host Manager Application	true	0	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>
/jpetstore	None specified	JPetStore	true	0	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>
/manager	None specified	Tomcat Manager Application	true	1	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>

Instance details | EC2 | us-west-1

EC2 Instance Connect

lakshmiwetha-21/jpetstore-6

JPetStore Demo

← → ↻ ⚠ Not secure 54.183.28.21:8080/jpetstore/ 🔍 ☆ 📁 ⬇ 🌑 ⋮

Welcome to JPetStore 6

[Enter the Store](#)

Copyright www.mybatis.org


Instance details | EC2 | us-west-1

EC2 Instance Connect

lakshmiwetha-21/jpetstore-6

JPetStore Demo

← → ↻ ⚠ Not secure 54.183.28.21:8080/jpetstore/actions/Catalog.action 🔍 ☆ 📁 ⬇ 🌑 ⋮



Sign In ?

Search

Fish | Dogs | Reptiles | Cats | Birds

Fish

Saltwater, Freshwater

Dogs

Various Breeds

Cats


Various Breeds, Exotic Varieties

Reptiles

Lizards, Turtles, Snakes

Birds

Exotic Varieties



www.mybatis.org


Instance details | EC2 | us-west-1

EC2 Instance Connect

lakshmiwetha-21/jpetstore-6

JPetStore Demo

← → ↻ ⚠ Not secure 54.183.28.21:8080/jpetstore/actions/Catalog.action?viewCategory=&categoryId=FISH 🔍 ☆ 📁 ⬇ 🌑 ⋮



Sign In ?

Search

Fish | Dogs | Reptiles | Cats | Birds

Fish

Return to Main Menu

Product ID	Name
FI-SW-01	Angelfish
FI-SW-02	Tiger Shark
FI-FW-01	Koi
FI-FW-02	Goldfish

