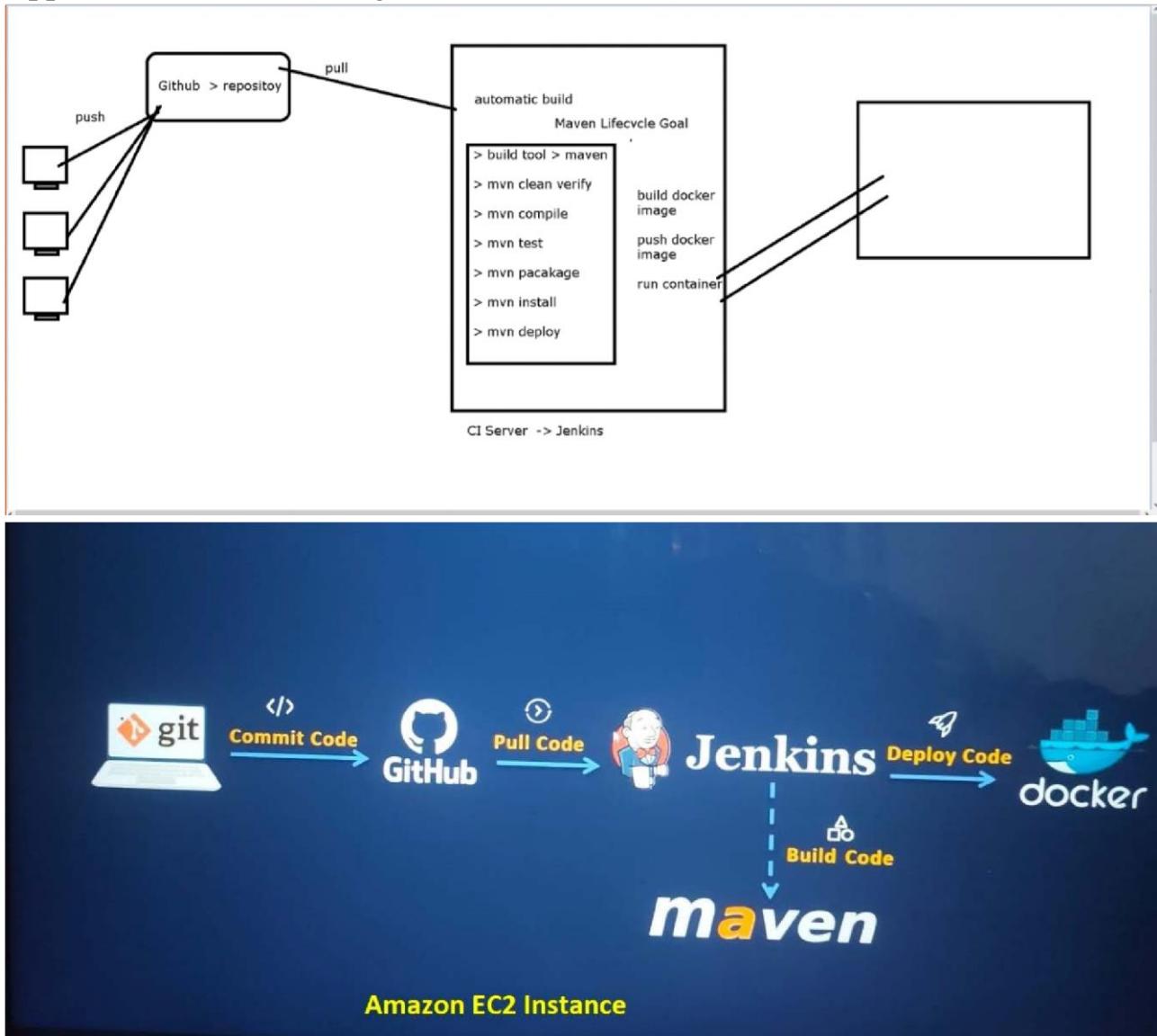


By Mehmet Baran Ozkutuk

<https://github.com/MOzkutuk/ecom-webservice>

## Screenshots

Application Overview Diagram



### 1. AWS Setup (EC2 Instance)

Selected Ubuntu Server 20.04 LTS AMI 64bit.

You've been invited to try an early, beta iteration of the new launch instance wizard. We will continue to improve the experience over the next few months. We're asking customers for their feedback on this early release. To exit the new launch instance wizard at any time, choose the **Cancel** button.

**Try it now!**

1. Choose AMI   2. Choose Instance Type   3. Configure Instance   4. Add Storage   5. Add Tags   6. Configure Security Group   7. Review

**Step 1: Choose an Amazon Machine Image (AMI)**

Cancel and Exit

Ubuntu Server 20.04 LTS (HVM), SSD Volume Type - ami-0851b76e8b1bce90b (64-bit x86) / ami-0491e5015eb6e7a9b (64-bit Arm)	Select
Ubuntu Server 20.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical ( <a href="http://www.ubuntu.com/cloud/services">http://www.ubuntu.com/cloud/services</a> ).	<input checked="" type="radio"/> 64-bit (x86) <input type="radio"/> 64-bit (Arm)
Microsoft Windows Server 2019 Base - ami-0a7b049697326f626	Select
Microsoft Windows 2019 Datacenter edition. [English]	64-bit (x86)
Microsoft Windows Server 2019 Base with Containers - ami-0a415e404987e084	Select
Microsoft Windows 2019 Datacenter edition with Containers. [English]	64-bit (x86)

Feedback English (US) © 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences

Screenshot.pdf coding.docx ecom-webservice...zip docker-setup-ma...zip phase4-bootstra...zip Show all

Selected t2.xlarge instance since it has more memory and CPU for high performance

1. Choose AMI   2. Choose Instance Type   3. Configure Instance   4. Add Storage   5. Add Tags   6. Configure Security Group   7. Review

**Step 2: Choose an Instance Type**

	t2	1	1	EBS only	-	Low to Moderate	Yes	
	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
	t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes
	t2	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
	t3	t3.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
	t3	t3.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
	t3	t3.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes
	t3	t3.medium	2	4	EBS only	Yes	Up to 5 Gigabit	Yes
	t3	t3.large	2	8	EBS only	Yes	Up to 5 Gigabit	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

Disk Storage selection 20 Gb for the ubuntu instance

**Step 4: Add Storage**

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. Learn more about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/sda1	snap-092498e2cc2e3eb82	20	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

[Add New Volume](#)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Learn more about free usage tier eligibility and usage restrictions.

**Shared file systems**

You currently don't have any file systems on this instance. Select "Add file system" button below to add a file system.

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Tags](#)

## Network /port configuration for SSH and Web application etc.

**Step 6: Configure Security Group**

Select an existing security group

Security group name:   
 Description:

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Anywhere	0.0.0.0/0, ::/0 e.g. SSH for Admin Desktop
Custom TCP F	TCP	80	Anywhere	0.0.0.0/0, ::/0 e.g. SSH for Admin Desktop
Custom TCP F	TCP	8080	Anywhere	0.0.0.0/0, ::/0 e.g. SSH for Admin Desktop
Custom TCP F	TCP	8081	Anywhere	0.0.0.0/0, ::/0 e.g. SSH for Admin Desktop
Custom TCP F	TCP	8090	Anywhere	0.0.0.0/0, ::/0 e.g. SSH for Admin Desktop

[Add Rule](#)

**Warning**  
 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.

[Cancel](#) [Previous](#) [Review and Launch](#)

Instance created with the configurations

Instances (1/2) [Info](#)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Pu
webserver	i-07df64820598b8ed5	Stopped	t2.micro	-	No alarms +	ap-south-1b	-
<b>docker-server</b>	<b>i-02c0cd4fa15c703c4</b>	<b>Running</b>	<b>t2.xlarge</b>	<b>2/2 checks passed</b>	<b>No alarms +</b>	<b>ap-south-1b</b>	<b>ec</b>

**Instance: i-02c0cd4fa15c703c4 (docker-server)**

Details	Security	Networking	Storage	Status checks	Monitoring	Tags
<b>Instance summary</b> <a href="#">Info</a>						
Instance ID i-02c0cd4fa15c703c4 (docker-server)	Public IPv4 address 13.127.228.16   <a href="#">open address</a>	Private IPv4 addresses 172.31.4.220				
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-13-127-228-16.ap-south-				

## Connected using Terminal (SSH client)

```
AWS_key — ubuntu@ip-172-31-4-220:~ — ssh -i "anupriya-mumbai-sec.pem" ubuntu@ec2-13-127-228-16.ap-south-1.compute.amazonaws.com
[ANUPRIYAS-MacBook-Air:~ anupriyasharma$ cd /Users/anupriyasharma/Desktop/Simplilearn_Softwares/AWS_key
[ANUPRIYAS-MacBook-Air:AWS_key anupriyasharma$ sudo ssh -i "anupriya-mumbai-sec.pem" ubuntu@ec2-13-127-228-16.ap-south-1.compute.amazonaws.com
>Password:
Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.11.0-1022-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 System information as of Wed Jan 12 19:37:04 UTC 2022

 System load:          0.0
 Usage of /:           32.7% of 15.46GB
 Memory usage:        20%
 Swap usage:          0B
 Processes:            163
 Users logged in:     1
 IPv4 address for docker0: 172.17.0.1
 IPv4 address for docker_gwbridge: 172.18.0.1
 IPv4 address for eth0: 172.31.4.220

 * Ubuntu Pro delivers the most comprehensive open source security and
   compliance features.

 https://ubuntu.com/aws/pro

 29 updates can be applied immediately.
 To see these additional updates run: apt list --upgradable

 *** System restart required ***
 Last login: Wed Jan 12 19:27:27 2022 from 49.205.213.197
ubuntu@ip-172-31-4-220:~$
```

## 2. Docker

The screenshot shows a Mac OS X desktop environment. At the top is a standard OS X menu bar with options like File, Edit, View, History, Bookmarks, Profiles, Tab, Window, and Help. The system status bar on the right shows battery level (49%), signal strength, and the date and time (Thu 12:55 AM). Below the menu bar is a browser window for Docker Hub. The URL in the address bar is hub.docker.com/repository/docker/anupriya1994/phpcode/tags?page=1&ordering=last\_updated. The Docker Hub interface shows a repository for 'anupriya1994' named 'phpcode'. Under the 'Tags' tab, two tags are listed: 'latest' and 'v2.0.0'. Both tags were pushed by 'anupriya1994' and last pulled 3 minutes ago. The 'latest' tag is associated with a digest '44c202c86c8f' and an OS/ARCH of 'linux/amd64'. The 'v2.0.0' tag is also associated with the same digest and OS/ARCH. A toolbar below the browser contains various icons for file operations like Screenshot.pdf, coding.docx, etc. At the bottom is a dock with numerous application icons.

## DOCKER HUB Dashboard and Image pushed via command line

The screenshot shows a Mac OS X desktop environment with a terminal window open. The title bar of the terminal window reads 'AWS\_key — ubuntu@ip-172-31-4-220: ~ — ssh + sudo — 202×56'. The terminal content shows a series of commands run on an Ubuntu 20.04.3 LTS system (GNU/Linux 5.11.0-1022-sws x86\_64). The user has logged in via SSH using an AWS key and switched to the root user via sudo. The session starts with a welcome message from the AWS key and then displays system information for Wednesday, January 12, 2022, at 19:27:27 UTC. It shows basic system stats like load average, memory usage, and swap usage. The user then runs the 'apt update' command, which finds 26 updates. They proceed to install these updates with 'apt upgrade --allow-downgrades'. After the upgrade, they run 'apt list --upgradable' to verify the changes. Finally, they run 'sudo docker images' to list their Docker images, which includes several images for 'ecom-webservice', 'anupriya1994/phpcode', and other services like 'phpcode', 'abunin', 'openjdk', and 'mysql'. The terminal window is set against a dark background with light-colored text. The dock at the bottom of the screen contains many application icons.

## 3.Github (Sample Spring boot application)

MOzkutuk / ecom-webservice Public

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags Go to file Add file Code About No description, website, or topics provided.

MOzkutuk Uploading main files d371915 1 minute ago 1 commit

.mvn/wrapper Uploading main files 1 minute ago

src Uploading main files 1 minute ago

.gitignore Uploading main files 1 minute ago

Dockerfile Uploading main files 1 minute ago

Jenkinsfile Uploading main files 1 minute ago

Phase5CodingFile.pdf Uploading main files 1 minute ago

Phase5documentationByMehtemOzk... Uploading main files 1 minute ago

README.md Uploading main files 1 minute ago

docker-install.txt Uploading main files 1 minute ago

jenkins-install.txt Uploading main files 1 minute ago

mvnw Uploading main files 1 minute ago

mvnw.cmd Uploading main files 1 minute ago

pom.xml Uploading main files 1 minute ago

Releases No releases published Create a new release

Packages No packages published Publish your first package

Languages Java 91.3% Dockerfile 6.7%

README.md

Spring boot Web service application.

Use for executing sample Jenkins job

## 4. Jenkins Setup [SEP]

Access using ec2 public ip:8080 port <http://13.127.228.16:8080/login?from=%2F>



Welcome to Jenkins!

Keep me signed in



once login it will show dashboard page

The screenshot shows the Jenkins dashboard. On the left, there's a sidebar with links like 'New Item', 'People', 'Build History', etc. The main area displays a table of pipelines:

S	W	Name	Last Success	Last Failure	Last Duration
✓	Cloud icon	ecom-webapp-job	46 min - #12	1 hr 40 min - #10	12 sec
✓	Cloud icon	ecom-webservice-pipeline	46 min - #3	1 hr 5 min - #1	24 sec
✓	Cloud icon	test-pipeline	1 hr 18 min - #1	N/A	2.9 sec

Below the table are icons for 'Icon legend', 'Atom feed for all', 'Atom feed for failures', and 'Atom feed for just latest builds'.

Click on new item to add new Pipeline.  
Enter the name and select pipeline project below

The screenshot shows the 'Enter an item name' dialog box. The input field contains 'ecommerce-webapp-pipeline'. Below it, there are four options:

- Freestyle project**: This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.
- Pipeline**: Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
- Multi-configuration project**: Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.
- Folder**: A container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a namespace, so you can have multiple things of the same name as long as they are in different folders.

A blue 'OK' button is visible at the bottom of the dialog.

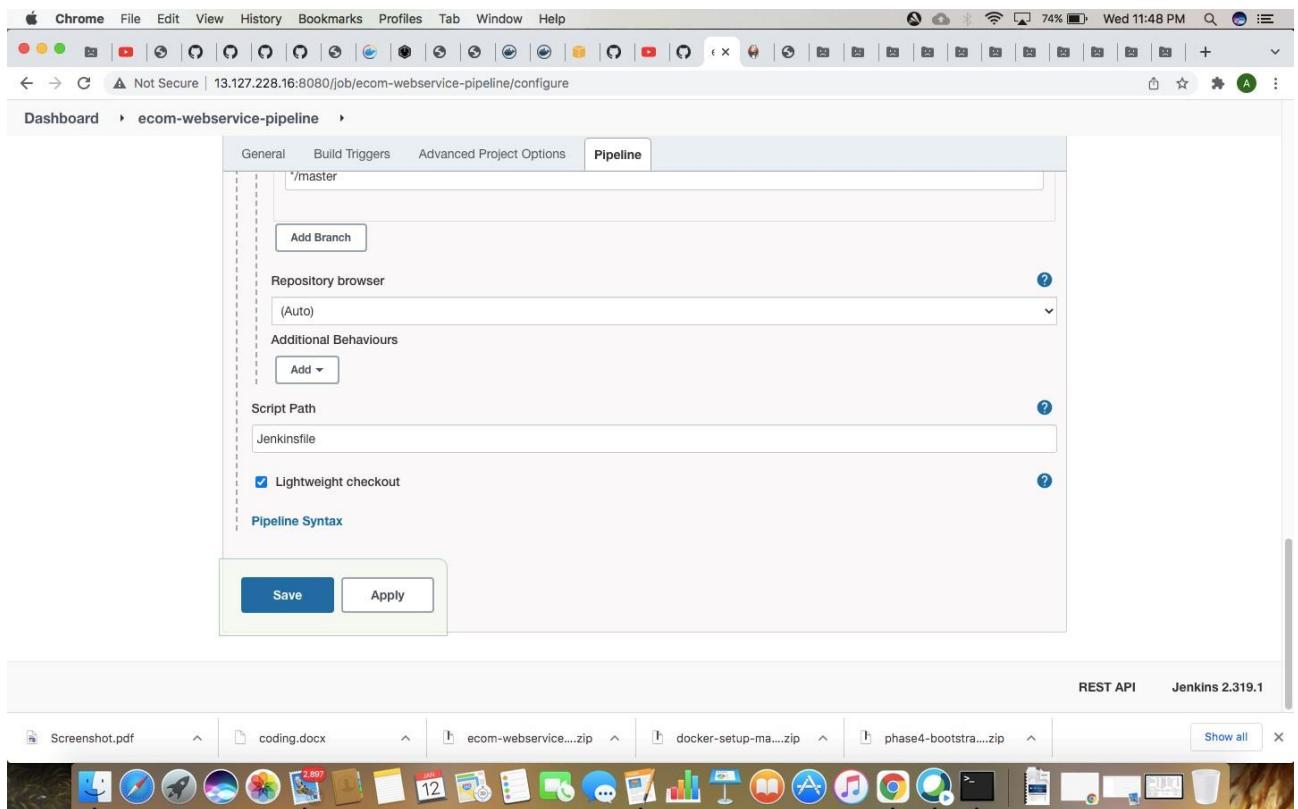
Enter description

The screenshot shows a Jenkins pipeline configuration page for a project named "ecom-webservice-pipeline". The "General" tab is selected. In the "Description" section, it says "This is an ecommerce webservice pipeline project." Below that is a list of checkboxes for pipeline settings: Discard old builds, Do not allow concurrent builds, Do not allow the pipeline to resume if the controller restarts, GitHub project, Pipeline speed/durability override, Preserve stashes from completed builds, This project is parameterised, and Throttle builds. At the bottom of the General tab, there are "Save" and "Apply" buttons.

Select Pipeline script from SCM , select git and enter git url

The screenshot shows the "Pipeline" tab of the Jenkins pipeline configuration page. Under the "Definition" section, "Pipeline script from SCM" is selected. In the "SCM" section, "Git" is selected. Under "Repositories", the "Repository URL" is set to "https://github.com/AnupriyaSharma294/ecom-webservice.git". The "Credentials" dropdown is set to "- none -". There is an "Advanced..." button and an "Add Repository" button. In the "Branches to build" section, there is a text input field with "Branch Specifier (blank for 'any')". At the bottom of the Pipeline tab, there are "Save" and "Apply" buttons.

Specify Branch and jenkins script file in Script Path text box. And click on Apply and Save button.



## Jenkins Scripts

```
agent any triggers {  
    pollSCM('* * * * *')  
  
    // Got permission denied while trying to connect to the Docker daemon socket at unix.  
    // sudo usermod -a -G docker jenkins  
  
    // restart jenkins server -> sudo service jenkins restart  
  
    stages {  
  
        pipeline {  
  
            stage('Maven Compile') {  
                steps {  
  
                    echo '----- This is a compile phase -----'  
                    sh 'mvn clean compile'  
                }  
            }  
        }  
    }  
}
```

```

} } stage('Maven Test') { steps { echo '-----'
----- This is a Test phase -----' sh 'mvn
clean test'

} } stage('Maven Build') { steps { echo '-----'
----- This is a build phase -----' sh 'mvn
clean package -DskipTests'

} } stage('Docker Build') { steps { echo '----- This is
a build docker image phase -----'
sh ""

docker image build -t ecom-webservice .

""

} } stage('Docker Deploy') { steps { echo '----- This
is a docker deployment phase -----'
sh ""

if [ $(docker ps -a | grep ecom-webservice | cut -d " " -f1) ]; then \
echo
$(docker rm -f ecom-webservice); \
echo "----- successfully
removed ecom-webservice -----" else \
echo OK; \
fi;};

docker container run --restart always --name ecom-webservice -p 8081:8081 -d ecom-webservice

""
}

}

}

}

```

After build it will show the progress in different phases as shown below

## Build History

The screenshot shows the Jenkins interface for 'Build History'. On the left, a sidebar lists options like 'New Item', 'People', 'Build History' (which is selected), 'Project Relationship', 'Check File Fingerprint', 'Manage Jenkins', 'My Views', 'Lockable Resources', and 'New View'. The main area is titled 'Build History of Jenkins' and displays a timeline from January 11 to January 15. The timeline shows several builds for different projects: 'job #7' (ecom-webapp-job #11, ecom-webapp-job #12), 'job #6' (ecom-webapp-job #10, ecom-webservice-pipeline #3), 'job #9' (ecom-webapp-job #9), 'job #8' (ecom-webapp-job #8), 'job #1' (ecom-webservice-pipeline #1), and 'test-pipeline #1'. Below the timeline, a table lists the current build queue and executor status. The build queue is empty. The executor status shows three builds: 'ecom-webapp-job #12' (stable, 1 hr 2 min), 'ecom-webservice-pipeline #3' (stable, 1 hr 2 min), and 'ecom-webservice-pipeline #2' (back to normal, 1 hr 13 min). At the bottom, a toolbar includes links for 'Screenshot.pdf', 'coding.docx', and several Jenkins job logs ('ecom-webservice....zip', 'docker-setup-ma....zip', 'phase4-bootstra....zip').

## Console Output

The screenshot shows the Jenkins interface for the 'Console Output' of job #3 for the 'ecom-webservice-pipeline'. The sidebar on the left includes 'Back to Project', 'Status', 'Changes', 'Console Output' (selected), 'View as plain text', 'Edit Build Information', 'Delete build #3', 'Polling Log', 'Git Build Data', 'Restart from Stage', 'Replay', 'Pipeline Steps', and 'Workspaces'. The main area is titled 'Console Output' and displays the log output. The log starts with 'Started by an SCM change' and 'Obtained Jenkinsfile from git https://github.com/AnupriyaSharma294/ecom-webservice.git'. It then details the pipeline stages: 'Start of Pipeline', 'node', 'Running on Jenkins in /var/lib/jenkins/workspace/ecom-webservice-pipeline', 'Pipeline', 'stage', 'Declarative: Checkout SCM', 'checkout', 'Selected Git installation does not exist. Using Default', 'The recommended git tool is: NONE', 'No specified', 'git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/ecom-webservice-pipeline/.git # timeout=10', 'Fetching changes from the remote Git repository', 'git config remote.origin.url https://github.com/AnupriyaSharma294/ecom-webservice.git # timeout=10', 'Fetching upstream changes from https://github.com/AnupriyaSharma294/ecom-webservice.git', 'git --version # timeout=10', 'git --version # timeout=10', 'git fetch --tags --force --progress -- https://github.com/AnupriyaSharma294/ecom-webservice.git', '+refs/heads/\*:refs/remotes/origin/\* # timeout=10', 'git rev-parse refs/remotes/origin/master^(commit) # timeout=10', 'Checking out Revision 15a4eedf4172a0f7a5f6945012304bfc9ba8cad (refs/remotes/origin/master)', 'git config core.sparsecheckout # timeout=10', 'git checkout -f 15a4eedf4172a0f7a5f6945012304bfc9ba8cad # timeout=10', and 'Commit message: "Update EcomResource.java"'. At the bottom, a toolbar includes links for 'Screenshot.pdf', 'coding.docx', and several Jenkins job logs ('ecom-webservice....zip', 'docker-setup-ma....zip', 'phase4-bootstra....zip').

Chrome File Edit View History Bookmarks Profiles Tab Window Help

Not Secure | 13.127.228.16:8080/job/ecom-webservice-pipeline/3/console

Dashboard > ecom-webservice-pipeline > #3

```
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
[1;34mINFO [m] Scanning for projects...
[1;34mINFO [m]
[1;34mINFO [m] [lm-----< [0;36mcom.ecommerce.webapp:ecom-webservice [0;lm ----- [m
[1;34mINFO [m] [lmBuilding ecom-webservice 0.0.1-SNAPSHOT [m
[1;34mINFO [m] [lm-----[ jar ]----- [m
[1;34mINFO [m]
[1;34mINFO [m] [lm--- [0;32mmaven-clean-plugin:3.1.0:clean [m [lm(default-clean) [m @ [36mecom-webservice [0;lm --- [m
[1;34mINFO [m] Deleting /var/lib/jenkins/workspace/ecom-webservice-pipeline/target
[1;34mINFO [m]
[1;34mINFO [m] [lm--- [0;32mmaven-resources-plugin:3.2.0:resources [m [lm(default-resources) [m @ [36mecom-webservice [0;lm ---
[1;34mINFO [m] [lm--- [0;32mmaven-resources-plugin:3.2.0:testResources [m [lm(default-testResources) [m @ [36mecom-
webservice [0;lm --- [m
[1;34mINFO [m] Using 'UTF-8' encoding to copy filtered resources.
[1;34mINFO [m] Using 'UTF-8' encoding to copy filtered properties files.
[1;34mINFO [m] Copying 1 resource
[1;34mINFO [m] Copying 0 resource
[1;34mINFO [m] The encoding used to copy filtered properties files have not been set. This means that the same encoding will
be used to copy filtered properties files as when copying other filtered resources. This might not be what you want! Run your
build with --debug to see which files might be affected. Read more at https://maven.apache.org/plugins/maven-resources-
plugin/examples/filtering-properties-files.html
[1;34mINFO [m]
[1;34mINFO [m] [lm--- [0;32mmaven-compiler-plugin:3.5.1:compile [m [lm(default-compile) [m @ [36mecom-webservice [0;lm --- [m
[1;34mINFO [m] Changed detected - recompiling the module!
[1;34mINFO [m] Compiling 6 source files to /var/lib/jenkins/workspace/ecom-webservice-pipeline/target/classes
[1;34mINFO [m]
[1;34mINFO [m] [lm--- [0;32mmaven-resources-plugin:3.2.0:testResources [m [lm(default-testResources) [m @ [36mecom-
webservice [0;lm --- [m
[1;34mINFO [m] Using 'UTF-8' encoding to copy filtered resources.
[1;34mINFO [m] Using 'UTF-8' encoding to copy filtered properties files.
[1;34mINFO [m] skip non existing resourceDirectory /var/lib/jenkins/workspace/ecom-webservice-pipeline/src/test/resources
```

Screenshot.pdf coding.docx ecom-webservice...zip docker-setup-ma...zip phase4-bootstra...zip Show all X



Dashboard > ecom-webservice-pipeline > #3

Commits message: "Update EcomResource.java"

```
> git rev-list --no-walk 574c0cea63ec9c537bffa27a154da94592034c1 # timeout=10
[Pipeline]
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Maven Compile)
[Pipeline] echo
----- This is a compile phase -----
[Pipeline] sh
+ mvn clean compile
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1
(file:/usr/share/maven/lib/guice.jar) to method
java.lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
[1:34mINFO [m] Scanning for projects...
[1:34mINFO [m]
[1:34mINFO [m] [m-----< [0;36mcom.ecommerce.webapp:ecom-webservice [0;1m >----- [m
[1:34mINFO [m] [mBuilding ecom-webservice 0.0.1-SNAPSHOT [m
[1:34mINFO [m] [m-----{ jar }----- [m
[1:34mINFO [m]
[1:34mINFO [m] [m--- [0;32mmaven-clean-plugin:3.1.0:clean [m [m(default-clean) [m @ [36mecom-webservice [0;1m --- [m
[1:34mINFO [m] Deleting /var/lib/jenkins/workspace/ecom-webservice-pipeline/target
[1:34mINFO [m]
[1:34mINFO [m] [m--- [0;32mmaven-resources-plugin:3.2.0:resources [m [m(default-resources) [m @ [36mecom-webservice [0;1m --
[m
[1:34mINFO [m] Using 'UTF-8' encoding to copy filtered resources.
[1:34mINFO [m] Using 'UTF-8' encoding to copy filtered properties files.
```



Dashboard > ecom-webservice-pipeline > #3

```
[1:34mINFO [m] Using 'UTF-8' encoding to copy filtered resources.
[1:34mINFO [m] Using 'UTF-8' encoding to copy filtered properties files.
[1:34mINFO [m] Copying 1 resource
[1:34mINFO [m] Copying 0 resource
[1:34mINFO [m] The encoding used to copy filtered properties files have not been set. This means that the same encoding will be used to copy filtered properties files as when copying other filtered resources. This might not be what you want! Run your build with --debug to see which files might be affected. Read more at https://maven.apache.org/plugins/maven-resources-plugin/examples/filtering-properties-files.html
[1:34mINFO [m]
[1:34mINFO [m] [m--- [0;32mmaven-compiler-plugin:3.5.1:compile [m [m(default-compile) [m @ [36mecom-webservice [0;1m --- [m
[1:34mINFO [m] Changes detected - recompiling the module!
[1:34mINFO [m] Compiling 6 source files to /var/lib/jenkins/workspace/ecom-webservice-pipeline/target/classes
[1:34mINFO [m] [m----- [m
[1:34mINFO [m] [1;32mBUILD SUCCESS [m
[1:34mINFO [m] [m----- [m
[1:34mINFO [m] Total time: 3.414 s
[1:34mINFO [m] Finished at: 2022-01-12T17:22:17Z
[1:34mINFO [m] [m----- [m
[Pipeline]
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Maven Test)
[Pipeline] echo
----- This is a compile phase -----
[Pipeline] sh
+ mvn clean test
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1
(file:/usr/share/maven/lib/guice.jar) to method
java.lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
```



```
Apple Chrome File Edit View History Bookmarks Profiles Tab Window Help
Not Secure | 13.127.228.16:8080/job/ecom-webservice-pipeline/3/console
Dashboard > ecom-webservice-pipeline > #3


```
-- Spring Boot -- (v2.4.1)

2022-01-12 17:22:24.793 INFO 72076 --- [main] c.e.w.EcomWebserviceApplicationTests : Starting EcomWebserviceApplicationTests using Java 11.0.13 on ip-172-31-4-220 with PID 72076 (started by jenkins in /var/lib/jenkins/workspace/ecom-webservice-pipeline)
2022-01-12 17:22:24.796 INFO 72076 --- [main] c.e.w.EcomWebserviceApplicationTests : No active profile set, falling back to default profiles: default
2022-01-12 17:22:25.808 INFO 72076 --- [main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'
2022-01-12 17:22:26.076 INFO 72076 --- [main] c.e.w.EcomWebserviceApplicationTests : Started EcomWebserviceApplicationTests in 1.551 seconds (JVM running for 2.468)
[1;34mINFO [m] [1;32mTests run: [0;1;32m1 [m, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 2.27 s - in com.ecommerce.webapp.1mEcomWebserviceApplicationTests [m
2022-01-12 17:22:26.448 INFO 72076 --- [extShutdownHook] o.s.s.concurrent.ThreadPoolTaskExecutor : Shutting down ExecutorService 'applicationTaskExecutor'
[1;34mINFO [m]
[1;34mINFO [m] Results:
[1;34mINFO [m]
[1;34mINFO [m] [1;32mTests run: [1;32m1 [m, Failures: 0, Errors: 0, Skipped: 0 [m
[1;34mINFO [m]
[1;34mINFO [m] [1m-----[m
[1;34mINFO [m] [1;32mBUILD SUCCESS [m
[1;34mINFO [m] [1m-----[m
[1;34mINFO [m] Total time: 5.809 s
[1;34mINFO [m] Finished at: 2022-01-12T17:22:26Z
[1;34mINFO [m] [1m-----[m
[Pipeline]
(Pipeline) // stage
(Pipeline) stage
(Pipeline) { ( Maven Build)
(Pipeline) echo
----- This is a build phase -----
```


```

Screenshot.pdf coding.docx ecom-webservice...zip docker-setup-ma...zip phase4-bootstra...zip Show all X

```
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Not Secure | 13.127.228.16:8080/job/ecom-webservice-pipeline/3/console
Dashboard > ecom-webservice-pipeline > #3


```
----- This is a build phase -----
[Pipeline] sh
+ mvn clean package -DskipTests
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$1
(file:/user/share/maven/lib/guice.jar) to method
java.lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib.core.$ReflectUtils$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
[1;34mINFO [m] Scanning for projects...
[1;34mINFO [m]
[1;34mINFO [m] [1m-----< [0;16mcom.ecommerce.webapp:ecom-webservice [0;1m >-----[m
[1;34mINFO [m] [1mBuilding ecom-webservice 0.0.1-SNAPSHOT [m
[1;34mINFO [m] [1m-----[jar ]-----[m
[1;34mINFO [m]
[1;34mINFO [m] [1m--- [0;32mmaven-clean-plugin:3.1.0:clean [m [1m(default-clean) [m @ [36mecom-webservice [0;1m --- [m
[1;34mINFO [m] Deleting /var/lib/jenkins/workspace/ecom-webservice-pipeline/target
[1;34mINFO [m]
[1;34mINFO [m] [1m--- [0;32mmaven-resources-plugin:3.2.0:resources [m [1m(default-resources) [m @ [36mecom-webservice [0;1m --
- [m
[1;34mINFO [m] Using 'UTF-8' encoding to copy filtered resources.
[1;34mINFO [m] Using 'UTF-8' encoding to copy filtered properties files.
[1;34mINFO [m] Copying 1 resource
[1;34mINFO [m] Copying 0 resource
[1;34mINFO [m] The encoding used to copy filtered properties files have not been set. This means that the same encoding will be used to copy filtered properties files as when copying other filtered resources. This might not be what you want! Run your build with --debug to see which files might be affected. Read more at https://maven.apache.org/plugins/maven-resources-plugin/examples/filtering-properties-files.html
[1;34mINFO [m]
[1;34mINFO [m] [1m--- [0;32mmaven-compiler-plugin:3.5.1:compile [m [1m(default-compile) [m @ [36mecom-webservice [0;1m --- [m
[1;34mINFO [m] Changes detected - recompiling the module!
```


```

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Dashboard > ecom-webservice-pipeline > #3

```
[com/ecommerce/webapp/EcomWebserviceApplicationTests-context.xml] does not exist
17:22:24.281 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default resource location for test class [com.ecommerce.webapp.EcomWebserviceApplicationTests]: class path resource [com/ecommerce/webapp/EcomWebserviceApplicationTestsContext.groovy] does not exist
17:22:24.281 [main] INFO org.springframework.test.context.support.AbstractContextLoader - Could not detect default resource locations for test class [com.ecommerce.webapp.EcomWebserviceApplicationTests]: no resource found for suffixes {-context.xml, Context.groovy}.
17:22:24.282 [main] DEBUG org.springframework.test.context.support.AnnotationConfigContextLoaderUtils - Could not detect default configuration classes for test class [com.ecommerce.webapp.EcomWebserviceApplicationTests]: EcomWebserviceApplicationTests does not declare any static, non-private, non-final, nested classes annotated with @Configuration.
17:22:24.321 [main] DEBUG org.springframework.test.context.support.ActiveProfilesUtils - Could not find an 'annotation declaring class' for annotation type [org.springframework.test.context.ActiveProfiles] and class [com.ecommerce.webapp.EcomWebserviceApplicationTests]
17:22:24.383 [main] DEBUG org.springframework.context.annotation.ClassPathScanningCandidateComponentProvider - Identified candidate component class: file [/var/lib/jenkins/workspace/ecom-webservice-pipeline/target/classes/com/ecommerce/webapp/EcomWebserviceApplication.class]
17:22:24.387 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Found #springRootConfiguration com.ecommerce.webapp.EcomWebserviceApplication for test class com.ecommerce.webapp.EcomWebserviceApplicationTests
17:22:24.475 [main] DEBUG org.springframework.boot.test.context.SpringBootTestContextBootstrapper - #testExecutionListeners is not present for class [com.ecommerce.webapp.EcomWebserviceApplicationTests]: using defaults.
17:22:24.476 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Loaded default TestExecutionListener class names from location [META-INF/spring.factories]:
[org.springframework.boot.test.mock.mockito.MockitoTestExecutionListener,
org.springframework.boot.test.mock.mockito.ResetMocksTestExecutionListener,
org.springframework.boot.test.autoconfigure.restdocs.RestDocsTestExecutionListener,
org.springframework.boot.test.autoconfigure.web.client.MockRestServiceServerResetTestExecutionListener,
org.springframework.boot.test.autoconfigure.web.servlet.MockMvcPrintOnlyOnFailureTestExecutionListener,
org.springframework.boot.test.autoconfigure.web.servlet.WebDriverTestExecutionListener,
org.springframework.boot.test.autoconfigure.web.services.client.MockWebServiceListener,
org.springframework.boot.test.context.web.ServletTestExecutionListener,
org.springframework.boot.test.context.support.DirtiesContextBeforeModesTestExecutionListener,
org.springframework.boot.test.context.support.DirtiesContextTestExecutionListener]
```

Dashboard > ecom-webservice-pipeline > #3

```
org.springframework.boot.test.autoconfigure.web.servlet.MockMvcPrintOnlyOnFailureTestExecutionListener,
org.springframework.boot.test.autoconfigure.web.servlet.WebDriverTestExecutionListener,
org.springframework.boot.test.autoconfigure.web.services.client.MockWebServiceServerTestExecutionListener,
org.springframework.boot.test.context.web.ServletTestExecutionListener,
org.springframework.boot.test.context.support.DirtiesContextBeforeModesTestExecutionListener,
org.springframework.boot.test.context.support.DependencyInjectionTestExecutionListener,
org.springframework.boot.test.context.support.DirtiesContextTestExecutionListener,
org.springframework.boot.test.context.transaction.TransactionalTestExecutionListener,
org.springframework.boot.test.context.jdbc.SqlScriptsTestExecutionListener,
org.springframework.boot.test.context.event.EventPublishingTestExecutionListener]
17:22:24.485 [main] DEBUG org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Skipping candidate TestExecutionListener [org.springframework.boot.test.context.transaction.TransactionalTestExecutionListener] due to a missing dependency. Specify custom listener classes or make the default listener classes and their required dependencies available. Offending class: [org/springframework/transaction/interceptor/TransactionAttributeSource]
17:22:24.486 [main] DEBUG org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Skipping candidate TestExecutionListener [org.springframework.boot.test.context.jdbc.SqlScriptsTestExecutionListener] due to a missing dependency. Specify custom listener classes or make the default listener classes and their required dependencies available. Offending class: [org/springframework/transaction/interceptor/TransactionAttribute]
17:22:24.486 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Using TestExecutionListeners: [org.springframework.boot.test.context.web.ServletTestExecutionListener@1ef6d34c,
org.springframework.boot.test.context.support.DirtiesContextBeforeModesTestExecutionListener@46271dd6,
org.springframework.boot.test.mock.mockito.MockitoTestExecutionListener@1bb571c,
org.springframework.boot.test.autoconfigure.SpringBootDependencyInjectionTestExecutionListener@7c5f34b,
org.springframework.boot.test.context.support.DirtiesContextTestExecutionListener@2a225dd7,
org.springframework.boot.test.mock.mockito.ResetMocksTestExecutionListener@61aeac38,
org.springframework.boot.test.autoconfigure.restdocs.RestDocsTestExecutionListener@125290e5,
org.springframework.boot.test.autoconfigure.web.client.MockRestServiceServerResetTestExecutionListener@6fa34d52,
org.springframework.boot.test.autoconfigure.web.servlet.MockMvcPrintOnlyOnFailureTestExecutionListener@57576994,
org.springframework.boot.test.autoconfigure.web.servlet.WebDriverTestExecutionListener@616ac46a,
org.springframework.boot.test.autoconfigure.web.services.client.MockWebServiceServerTestExecutionListener@67b9b51a]
17:22:24.489 [main] DEBUG org.springframework.boot.test.context.support.AbstractDirtiesContextTestExecutionListener - Before test class: context: [DefaultTestContext@30c8681 testClass = EcomWebserviceApplicationTests, testInstance = [null], testMethod = ]
```

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Dashboard > ecom-webservice-pipeline > #3

```
webservice [0;1m --- [m
[ 1]:34INFO [m] Using 'UTF-8' encoding to copy filtered resources.
[ 1]:34INFO [m] Using 'UTF-8' encoding to copy filtered properties files.
[ 1]:34INFO [m] skip non existing resourceDirectory /var/lib/jenkins/workspace/ecom-webservice-pipeline/src/test/resources
[ 1]:34INFO [m]
[ 1]:34INFO [m] [lm--- [0;32mmaven-compiler-plugin:3.5.1:testCompile [m [lm(default-testCompile) [m @ [36mecom-webservice [0;1m
--- [m
[ 1]:34INFO [m] Changes detected - recompiling the module!
[ 1]:34INFO [m] Compiling 1 source file to /var/lib/jenkins/workspace/ecom-webservice-pipeline/target/test-classes
[ 1]:34INFO [m]
[ 1]:34INFO [m] [lm--- [0;32mmaven-surefire-plugin:2.22.2:test [m [lm(default-test) [m @ [36mecom-webservice [0;1m --- [m
[ 1]:34INFO [m]
[ 1]:34INFO [m] -----
[ 1]:34mINFO [m] T E S T S
[ 1]:34INFO [m] -----
[ 1]:34INFO [m] Running com.ecommerce.webapp. [lmEcomWebserviceApplicationTests [m
17:22:24.206 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating CacheAwareContextLoaderDelegate from
class [org.springframework.test.context.cache.DefaultCacheAwareContextLoaderDelegate]
17:22:24.217 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating BootstrapContext using constructor
[public
org.springframework.test.context.support.DefaultBootstrapContext(java.lang.Class,org.springframework.test.context.CacheAwareCont
extLoaderDelegate)]
17:22:24.265 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating TestContextBootstrapper for test class
[com.ecommerce.webapp.EcomWebserviceApplicationTests] from class
[org.springframework.boot.test.context.SpringBootTestBootstrapper]
17:22:24.276 [main] INFO org.springframework.boot.test.context.SpringBootTestBootstrapper - Neither @ContextConfiguration
nor @ContextHierarchy found for test class [com.ecommerce.webapp.EcomWebserviceApplicationTests], using SpringBootTestLoader
17:22:24.280 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default resource
location for test class [com.ecommerce.webapp.EcomWebserviceApplicationTests]: class path resource
[com/ecommerce/webapp/EcomWebserviceApplicationTests-context.xml] does not exist
17:22:24.281 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default resource
location for test class [com.ecommerce.webapp.EcomWebserviceApplicationTests]: class path resource
```

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org.springframework.boot.test.autoconfigure.webserver.client.MockWebServerTestExecutionListener@67b9b51a)
17:22:24.489 [main] DEBUG org.springframework.test.context.support.AbstractDirtiesContextTestExecutionListener - Before test
class: context [DefaultTestContext@30c8681 testClass = EcomWebserviceApplicationTests, testInstance = [null], testMethod = [null], testException = [null], mergedContextConfiguration = [WebMergedContextConfiguration@5cdec700 testClass =
EcomWebserviceApplicationTests, locations = '{}', classes = '(class com.ecomerce.webapp.EcomWebserviceApplication)', contextInitializerClasses = '{}', activeProfiles = '{}', propertySourceLocations = '{}', propertySourceProperties =
'(org.springframework.boot.test.context.SpringBootTestBootstrapper=true)', contextCustomizers =
set[org.springframework.boot.test.context.FilteringContextCustomizer@2638011,
org.springframework.boot.test.json.DuplicateJsonObjectContextCustomizerFactory@DuplicateJsonObjectContextCustomizer@313b2ea6,
org.springframework.boot.test.mock.mockito.MockitoContextCustomizer@0,
org.springframework.boot.test.web.client.TestRestTemplateContextCustomizer@447df8a6,
org.springframework.boot.test.web.client.TestRestTemplateContextCustomizer@87791a895], resourceBasePath = 'src/main/webapp',
contextLoader = 'org.springframework.boot.test.context.SpringBootTestContextLoader', parent = [null]], attributes =
map['org.springframework.test.context.web.ServletTestExecutionListener.activateListener' -> true]], class annotated with
#dirtiesContext [false] with mode [null].
17:22:24.518 [main] DEBUG org.springframework.test.context.support.TestPropertySourceUtils - Adding inlined properties to
environment: {spring.jmx.enabled=false, org.springframework.boot.test.context.SpringBootTestBootstrapper=true}

```
  * / \ / \ / \ / \ / \
  * ( ) / \ / \ / \ / \ / \ / \
  * / \ / \ / \ / \ / \ / \ / \
  * ' / \ / \ / \ / \ / \ / \ / \
  * ====== / \ / \ / \ / \ / \
  * :: Spring Boot :: (v2.4.1)

2022-01-12 17:22:24.793 INFO 72076 --- [           main] c.e.w.EcomWebserviceApplicationTests      : Starting
EcomWebserviceApplicationTests using Java 11.0.13 on ip-172-31-4-220 with PID 72076 (started by jenkins in
```

Dashboard > ecom-webservice-pipeline > #3

```
plugin/examples/filtering-properties-files.html
[1:34mINFO [m]
[1:34mINFO [m] [lm--- [0;32mmaven-compiler-plugin:3.5.1:compile [m [lm(default-compile) [m @ [36mecom-webservice [0;lm --- [m
[1:34mINFO [m] Changes detected - recompiling the module!
[1:34mINFO [m] Compiling 6 source files to /var/lib/jenkins/workspace/ecom-webservice-pipeline/target/classes
[1:34mINFO [m]
[1:34mINFO [m] [lm--- [0;32mmaven-resources-plugin:3.2.0:testResources [m [lm(default-testResources) [m @ [36mecom-
webservice [0;lm --- [m
[1:34mINFO [m] Using 'UTF-8' encoding to copy filtered resources.
[1:34mINFO [m] Using 'UTF-8' encoding to copy filtered properties files.
[1:34mINFO [m] skip non existing resourceDirectory /var/lib/jenkins/workspace/ecom-webservice-pipeline/src/test/resources
[1:34mINFO [m]
[1:34mINFO [m] [lm--- [0;32mmaven-compiler-plugin:3.5.1:testCompile [m [lm(default-testCompile) [m @ [36mecom-webservice [0;lm
--- [m
[1:34mINFO [m] Changes detected - recompiling the module!
[1:34mINFO [m] compiling 1 source file to /var/lib/jenkins/workspace/ecom-webservice-pipeline/target/test-classes
[1:34mINFO [m]
[1:34mINFO [m] [lm--- [0;32mmaven-surefire-plugin:2.22.2:test [m [lm(default-test) [m @ [36mecom-webservice [0;lm --- [m
[1:34mINFO [m] Tests are skipped.
[1:34mINFO [m]
[1:34mINFO [m] [lm--- [0;32mmaven-jar-plugin:3.2.0:jar [m [lm(default-jar) [m @ [36mecom-webservice [0;lm --- [m
[1:34mINFO [m] Building jar: /var/lib/jenkins/workspace/ecom-webservice-pipeline/target/ecom-webservice-0.0.1-SNAPSHOT.jar
[1:34mINFO [m]
[1:34mINFO [m] [lm--- [0;32mspring-boot-maven-plugin:2.4.1:repackage [m [lm(repackage) [m @ [36mecom-webservice [0;lm --- [m
[1:34mINFO [m] Replacing main artifact with repackaged archive
[1:34mINFO [m] [lm----- [m
[1:34mINFO [m] [1:32mBUILD SUCCESS [m
[1:34mINFO [m] [lm----- [m
[1:34mINFO [m] Total time: 2.573 s
[1:34mINFO [m] Finished at: 2022-01-12T17:22:30Z
[1:34mINFO [m] [lm----- [m
[1:34mINFO [m] [Pipeline] }
```

Screenshot.pdf coding.docx ecom-webservice...zip docker-setup-ma...zip phase4-bootstra...zip Show all

Dashboard > ecom-webservice-pipeline > #3

```
[Pipeline]
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Docker Build)
[Pipeline] echo
----- This is a build docker image phase -----
[Pipeline] sh
+ docker image build -t ecom-webservice .
Sending build context to Docker daemon 17.34MB

Step 1/4 : FROM openjdk:8-jdk
--> e24ac15e052e
Step 2/4 : COPY ./target/ecom-webservice-0.0.1-SNAPSHOT.jar ecom-webservice-0.0.1-SNAPSHOT.jar
--> 4cb1e54c2af8
Step 3/4 : CMD ["java","-jar","ecom-webservice-0.0.1-SNAPSHOT.jar"]
--> Running in 9b4e6573bf77
Removing intermediate container 9b4e6573bf77
--> 35cf30e51e3
Step 4/4 : RUN echo "jenkins ALL=(ALL) NOPASSWD: ALL" >> /etc/sudoers
--> Running in fff2132c445d
Removing intermediate container fff2132c445d
--> d590bfacd801
Successfully built d590bfacd801
Successfully tagged ecom-webservice:latest
[Pipeline]
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Docker Deploy)
[Pipeline] echo
----- This is a docker deploement phase -----
[Pipeline] sh
+ docker ps -a
```

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Dashboard > ecom-webservice-pipeline > #3

```
Successfully built d590bfacd801
Successfully tagged ecom-webservice:latest
[Pipeline]
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Docker Deploy)
[Pipeline] echo
----- This is a docker deploement phase -----
[Pipeline] sh
+ docker ps -a
+ cut -d -f1
+ grep ecom-webservice
+ [ 886c4906822b ]
+ docker rm -f ecom-webservice
+ echo ecom-webservice
ecom-webservice
+ echo ----- successfully removed ecom-webservice -----
----- successfully removed ecom-webservice -----
+ docker container run --restart always --name ecom-webservice -p 8081:8081 -d ecom-webservice
1536fd5a3cd43b2a90e7a8765850def6de9558b4397bca3b612304026e9e27557
[Pipeline]
[Pipeline] // stage
[Pipeline] // withEnv
[Pipeline]
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

REST API Jenkins 2.319.1

Screenshot.pdf coding.docx ecom-webservice...zip docker-setup-ma...zip phase4-bootstra...zip Show all X



Deployed docker container can be viewed WebApplication can be accessed by port 8081 as shown below:

A screenshot of a Mac OS X desktop showing a terminal window and a GitHub repository page.

Terminal session (top half):

```
AWS_key — ubuntu@ip-172-31-4-220:~ — ssh + sudo — 192×38
ANUPRIYA-MacBook-Air:AWS_key anupriyasharma$ cd /Users/anupriyasharma/Desktop/Simplilearn_Softwares/AWS_key
ANUPRIYA-MacBook-Air:AWS_key anupriyasharma$ sudo ssh -i "anupriya-mumbai-sec.pem" ubuntu@ec2-13-127-228-16.ap-south-1.compute.amazonaws.com
Password:
Welcome to Ubuntu 20.04.3 LTS (GNU/Linux 5.11.0-1822-aws x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/advantage

 System information as of Wed Jan 12 19:05:29 UTC 2022

System load:          8.0
Usage of /:           32.7% of 15.4GB
Memory usage:        28%
Swap usage:          0%
Processes:           160
Users logged in:    1
IPv4 address for docker0:   172.17.0.1
IPv4 address for docker_gwbridge: 172.18.0.1
IPv4 address for eth0:    172.31.4.220

* Ubuntu Pro delivers the most comprehensive open source security and
  compliance features.

  https://ubuntu.com/aws/pro

20 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

*** System restart required ***
Last login: Wed Jan 12 17:07:34 2022 from 49.205.213.197
ubuntu@ip-172-31-4-220:~$ sudo docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
1536fd5a3od4 ecom-webservice "java -jar ecom-webs.."
2 hours ago Up 2 hours 0.0.0.0:8081->8081/tcp, :::8081->8081/tcp ecom-webservice
f588be09f02 phpcodelatest "/usr/sbin/apache2 -.."
11 hours ago Up 11 hours 80/tcp
63a422b18381 phpcodelatest "/usr/sbin/apache2 -.."
11 hours ago Up 11 hours 80/tcp
ubuntu@ip-172-31-4-220:~$
```

GitHub repository (bottom half):

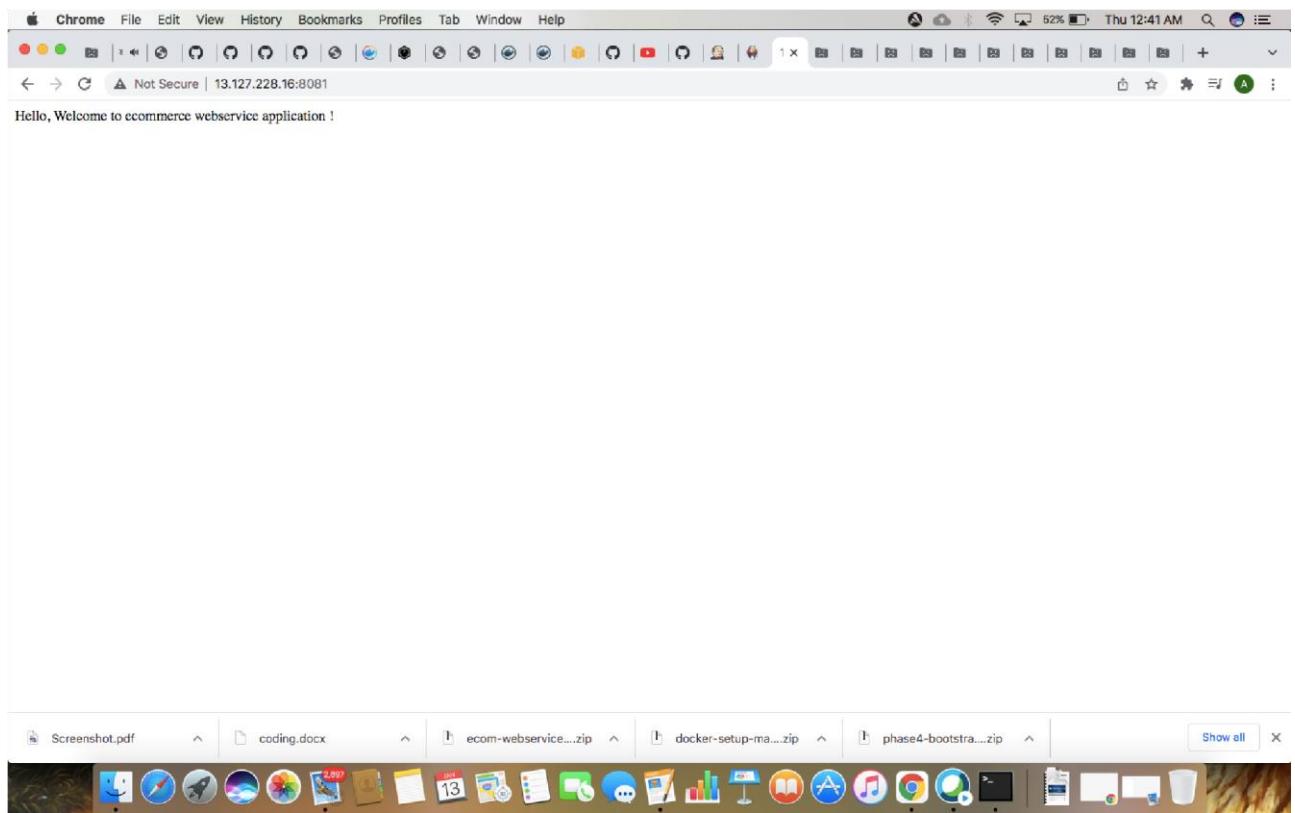
AnupriyaSharma294 / ecom-webservice

This repository contains a Dockerfile and a pom.xml file. The Dockerfile is as follows:

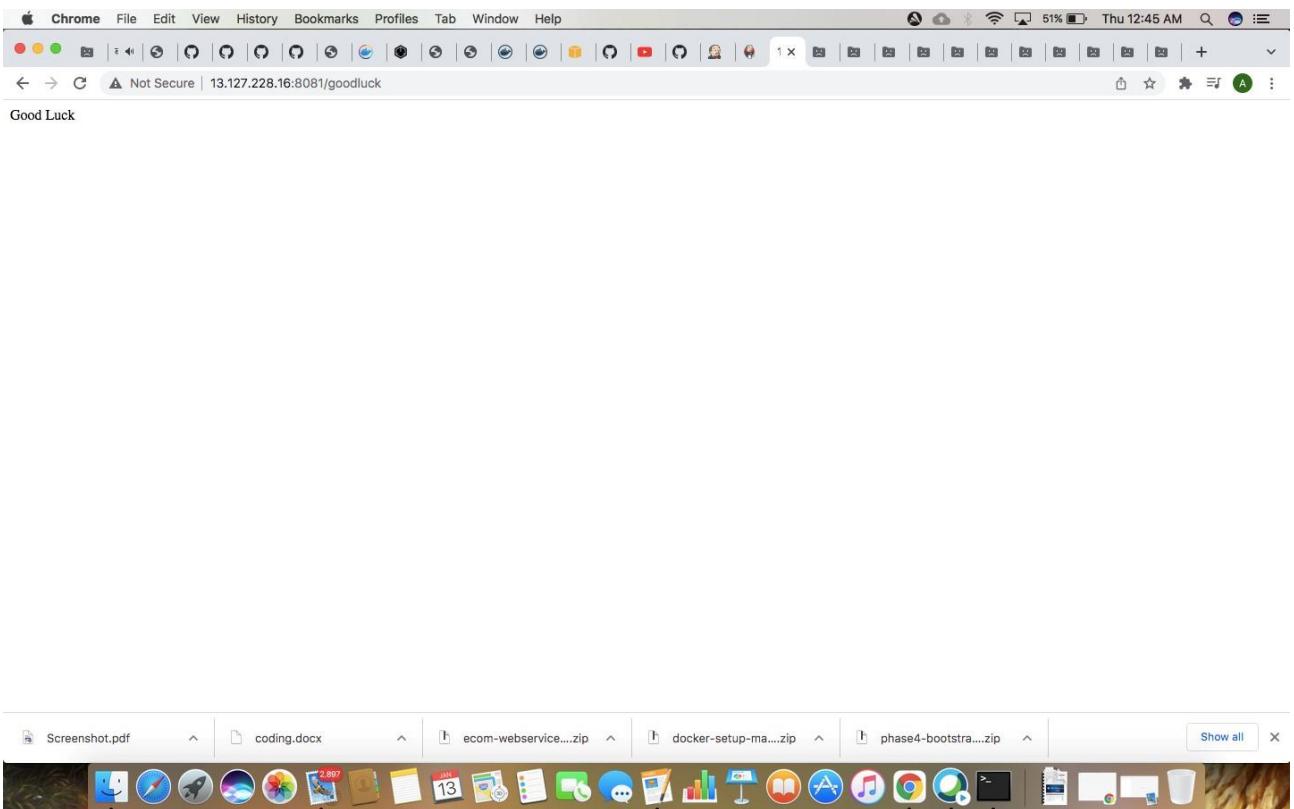
```
FROM openjdk:8-jdk-alpine
EXPOSE 8081
COPY pom.xml .
RUN mvn package
CMD ["java", "-jar", "target/commerce-web-0.0.1-SNAPSHOT.jar"]
```

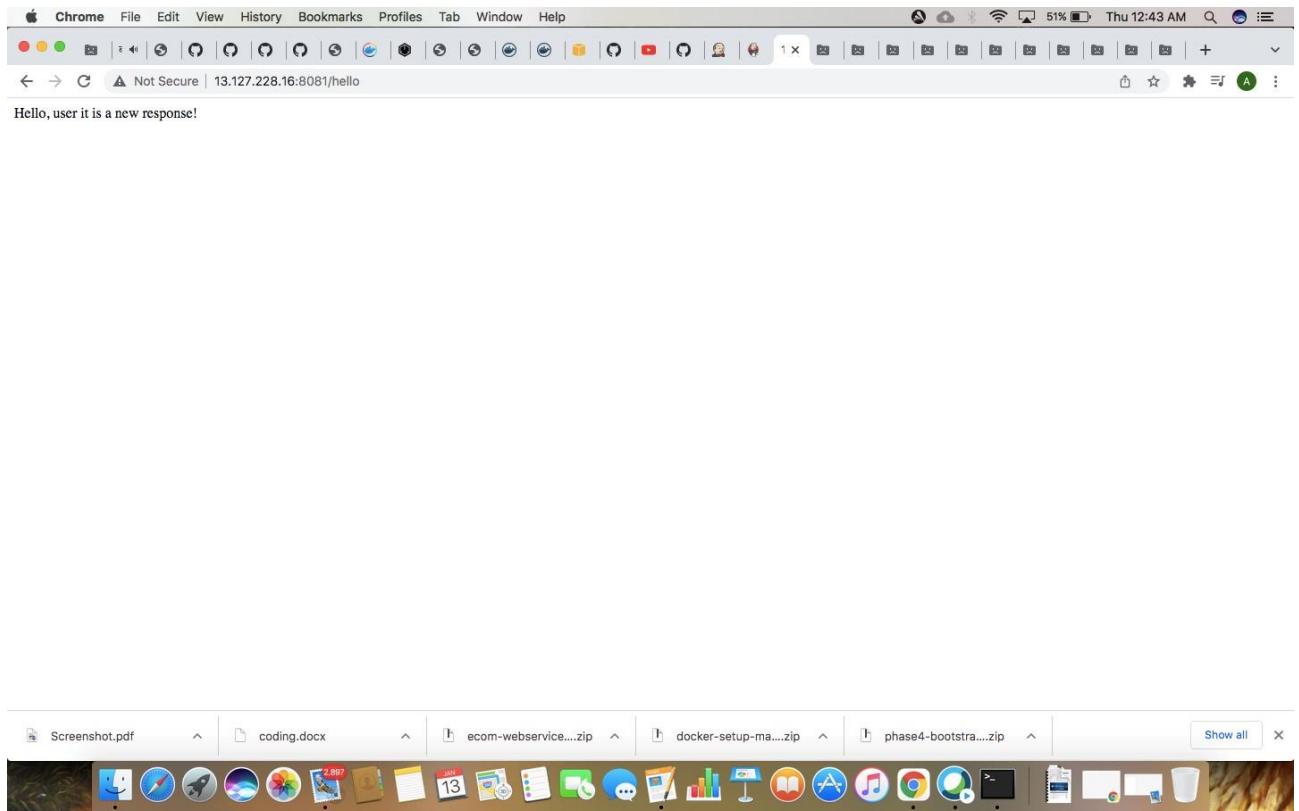
The pom.xml file is as follows:

```
<project>
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.ecommerce</groupId>
  <artifactId>commerce-web</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <packaging>jar</packaging>
  <parent>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-parent</artifactId>
    <version>2.5.2</version>
    <relativePath/>
  </parent>
  <dependencies>
    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-data-jpa</artifactId>
    </dependency>
    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-thymeleaf</artifactId>
    </dependency>
    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-web</artifactId>
    </dependency>
    <dependency>
      <groupId>com.mysql</groupId>
      <artifactId>mysql-connector-java</artifactId>
    </dependency>
    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-data-jpa</artifactId>
    </dependency>
    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-thymeleaf</artifactId>
    </dependency>
    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-web</artifactId>
    </dependency>
    <dependency>
      <groupId>com.mysql</groupId>
      <artifactId>mysql-connector-java</artifactId>
    </dependency>
  </dependencies>
</project>
```



/greeting  
/hello





/goodluck

Workspace View

Chrome File Edit View History Bookmarks Profiles Tab Window Help

Not Secure | 13.127.228.16:8080/job/ecom-webservice-pipeline/3/execution/node/3/ws/

Jenkins

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Dashboard > ecom-webservice-pipeline > #3 > Allocate node : Start > Workspace

Up Status Console Output Workspace

## Workspace

.git .mvn/wrapper src target

- .gitignore 12 Jan 2022, 17:02:46 395 B view
- Dockerfile 12 Jan 2022, 17:02:46 520 B view
- docker-install.txt 12 Jan 2022, 17:02:46 634 B view
- Jenkinsfile 12 Jan 2022, 17:02:46 1.77 KB view
- jenkins-install.txt 12 Jan 2022, 17:02:46 590 B view
- mvnw 12 Jan 2022, 17:02:46 9.83 KB view
- mvnw.cmd 12 Jan 2022, 17:02:46 6.45 KB view
- pom.xml 12 Jan 2022, 17:02:46 1.47 KB view
- README.md 12 Jan 2022, 17:02:46 186 B view

(all files in zip)

Jenkins 2.319.1

Screenshot.pdf coding.docx ecom-webservice...zip docker-setup-ma...zip phase4-bootstra...zip Show all

