

## ILP CI CD Deliverables 2:

### 1) Jenkins Tool Configuration:

#### i) MAVEN & JDK

The screenshot shows the Jenkins 'Global Tool Configuration' page. The browser address bar is 'localhost:8080/configureTools/'. The page has a left sidebar with 'Jenkins' and 'Global Tool Configuration' links. The main content area is titled 'Global Tool Configuration'. Under 'Maven Configuration', there are two sections: 'Default settings provider' and 'Default global settings provider'. The first section has a dropdown 'Settings file in filesystem' and a text field 'File path' with the value '/var/lib/jenkins/workspace/ILP-II-Assignment/myWebApp/'. The second section has a dropdown 'Use default maven global settings'. Under 'Pipeline Maven Configuration', there is a 'DAO' section with checkboxes for 'Success' (checked), 'Unstable', 'Failure', 'Not Built', and 'Aborted'. Below this is an 'Options' dropdown with 'Add Publisher Options'. Under 'JDK', there is a 'JDK installations' section with a list of JDKs. One entry is shown with 'Name' 'JAVA\_HOME' and 'JAVA\_HOME' '/usr/java/jdk1.8.0\_162'. There is an 'Add JDK' button and a 'Delete JDK' button. At the bottom, there is a link 'List of JDK installations on this system'.

#### ii) Jenkins Tool Configuration GIT:

The screenshot shows the Jenkins 'Global Tool Configuration' page for Git. The browser address bar is 'localhost:8080/configureTools/'. The page has a left sidebar with 'Jenkins' and 'Global Tool Configuration' links. The main content area is titled 'Global Tool Configuration'. Under 'Git', there is a 'Git installations' section with a list of Git installations. One entry is shown with 'Name' 'Default' and 'Path to Git executable' 'git'. There is an 'Add Git' button and a 'Delete Git' button. At the bottom, there is a link 'List of Git installations on this system'.

### iii) Jenkins Sonar Scanner:

The screenshot shows the Jenkins configuration page for a job named 'ILP-CI-CD'. The 'Post Steps' tab is selected. Under 'Post-build Actions', the 'Execute SonarQube Scanner' action is configured. The 'Task to run' field is empty. The 'JDK' is set to '(Inherit From Job)'. The 'Path to project properties' is empty. The 'Analysis properties' section contains the following text:

```
# unique project identifier (required)
sonar.projectKey=my:RA384875-ILP-CI-CD

# project metadata (used to be required, optional since SonarQube 6.1)
sonar.projectName=RA384875-DP-ILP-CI-CD
sonar.projectVersion=1.0

# path to source directories (required)
sonar.sources=src

# path to test source directories (optional)
sonar.tests=target
```

At the bottom of the configuration, there are 'Save' and 'Apply' buttons.

## 2. System Configuration

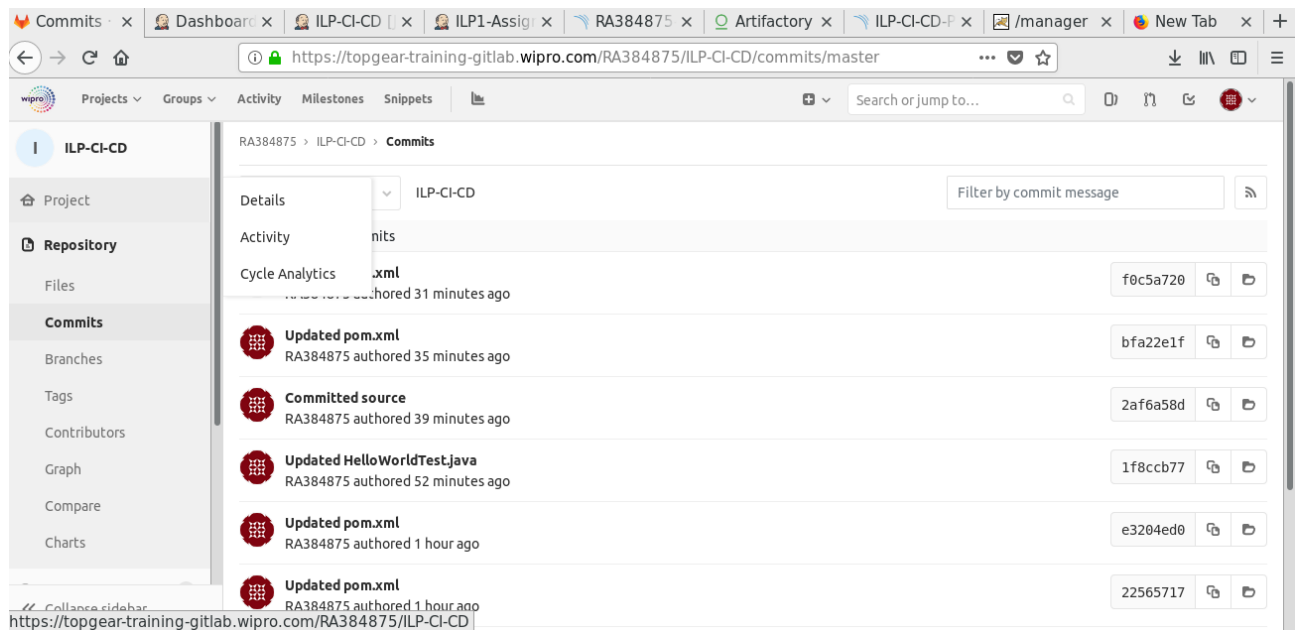
### i) Jenkins GIT Lab: <https://topgear-training-gitlab.wipro.com/RA384875/ILP-CI-CD>

The screenshot shows the Jenkins configuration page for a job named 'configuration'. The 'GitLab' section is expanded, showing the following configuration:

- Enable authentication for 'project' end-point:** ☒
- GitLab connections:**
  - Connection name:** topGear-gitLab
  - GitLab host URL:** https://topgear-training-gitlab.wipro.com/
  - Credentials:** GitLab API token (B14-LG-API-Token)

At the bottom of the configuration, there are 'Add', 'Advanced...', 'Test Connection', and 'Delete' buttons.

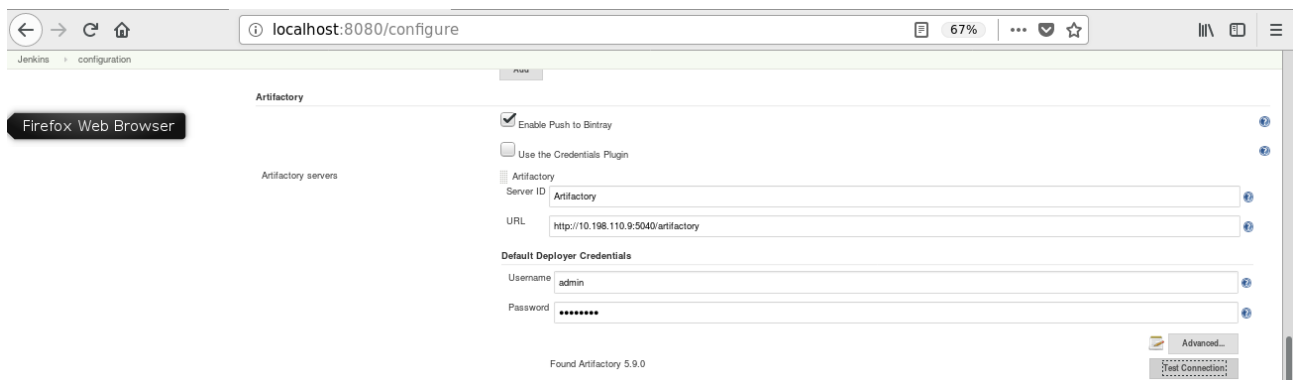
## ii) Jenkins GIT Lab Repository History:



The screenshot shows the Jenkins web interface for the 'ILP-CI-CD' project. The left sidebar contains navigation links: Project, Repository, Files, Commits (selected), Branches, Tags, Contributors, Graph, Compare, and Charts. The main content area displays the commit history for the 'master' branch. The URL in the browser is <https://topgear-training-gitlab.wipro.com/RA384875/ILP-CI-CD/commits/master>. The commit list includes:

- Updated pom.xml (f0c5a720) - 31 minutes ago
- Updated pom.xml (bfa22e1f) - 35 minutes ago
- Committed source (2af6a58d) - 39 minutes ago
- Updated HelloWorldTest.java (1f8ccb77) - 52 minutes ago
- Updated pom.xml (e3204ed0) - 1 hour ago
- Updated pom.xml (22565717) - 1 hour ago

## iii) Jenkins Jfrog:



The screenshot shows the Jenkins configuration page for Jfrog, accessed via [localhost:8080/configure](http://localhost:8080/configure). The page is titled 'Jenkins > configuration' and features a 'Firefox Web Browser' button on the left. The configuration is divided into two main sections: 'Artifactory' and 'Artifactory servers'. The 'Artifactory' section includes checkboxes for 'Enable Push to Bintray' (checked) and 'Use the Credentials Plugin' (unchecked). The 'Artifactory servers' section contains fields for 'Server ID' (set to 'Artifactory'), 'URL' (set to 'http://10.198.110.9:5040/artifactory'), and 'Default Deployer Credentials' (Username: 'admin', Password: masked). At the bottom, it states 'Found Artifactory 5.9.0' and provides an 'Advanced...' link and a 'Test Connection' button.

#### iv) Jenkins Email Notification-I :

The screenshot shows the Jenkins configuration page for 'Extended E-mail Notification'. The browser address bar is 'localhost:8080/configure'. The page title is 'Jenkins > configuration'. The 'List of Ivy Settings' is visible at the top. The configuration fields are as follows:

- SMTP server: smtp.office365.com
- Default user E-mail suffix: @wipro.com
- Use SMTP Authentication: ☒
- User Name: ra384875@wipro.com
- Password: [masked]
- Use SSL: ☐
- SMTP port: 587
- Charset: UTF-8
- Default Content Type: Plain Text (text/plain)
- Use List-ID Email Header: ☐
- Add 'Precedence: bulk' Email Header: ☐
- Default Recipients: [empty]
- Reply To List: [empty]
- Emergency reroute: [empty]
- Excluded Recipients: [empty]

#### iv) Jenkins Email Notification-II :

The screenshot shows the Jenkins configuration page for 'E-mail Notification'. The browser address bar is 'localhost:8080/configure'. The page title is 'Jenkins > configuration'. The configuration fields are as follows:

- Content Token Reference: [empty]
- SMTP server: smtp.office365.com
- Default user e-mail suffix: @wipro.com
- Use SMTP Authentication: ☒
- User Name: ra384875@wipro.com
- Password: [masked]
- Use SSL: ☐
- SMTP Port: 587
- Reply-To Address: [empty]
- Charset: UTF-8
- Test configuration by sending test e-mail: ☒
- Test e-mail recipient: ramesh.kasinathan@wipro.com

At the bottom, a message states: 'Email was successfully sent'.

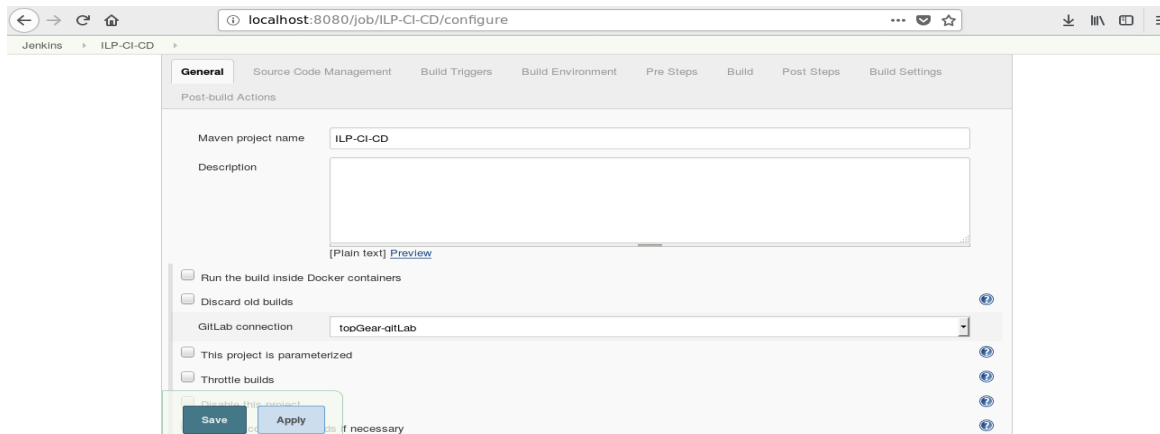
#### v) Jenkins Sonar Server:

The screenshot shows the Jenkins configuration page for 'SonarQube servers'. The browser address bar is 'localhost:8080/configure'. The page title is 'Jenkins > configuration'. The configuration fields are as follows:

- Environment variables: [empty]
- SonarQube installations: [empty]
- Enable injection of SonarQube server configuration as build environment variables: ☒
- Name: scan
- Server URL: http://localhost:9000/sonar
- Server version: 5.3 or higher
- Server authentication token: [empty]
- SonarQube account login: [empty]
- SonarQube account password: [empty]

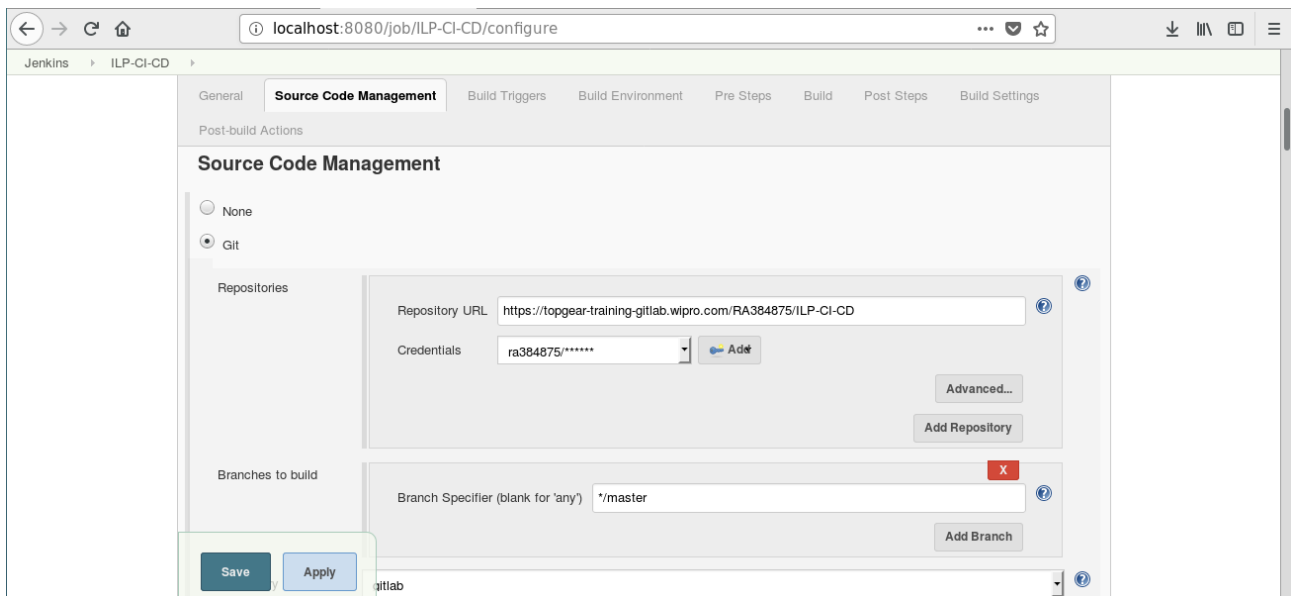
### 3) Jenkins Job Configuration:

#### Jenkins Job Configuration-I:



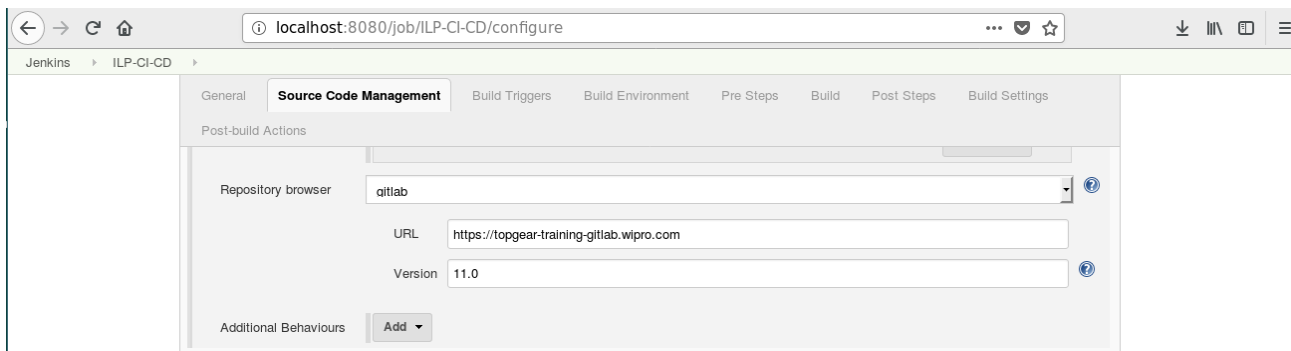
The screenshot shows the Jenkins Job Configuration page for a job named 'ILP-CI-CD'. The 'General' tab is selected. The 'Post-build Actions' section is expanded, showing the 'Maven project name' as 'ILP-CI-CD' and a description field. Below this, there are checkboxes for 'Run the build inside Docker containers', 'Discard old builds', 'GitLab connection' (set to 'topGear-gitLab'), 'This project is parameterized', and 'Throttle builds'. At the bottom, there are 'Save' and 'Apply' buttons.

#### Jenkins Job Configuration-II:



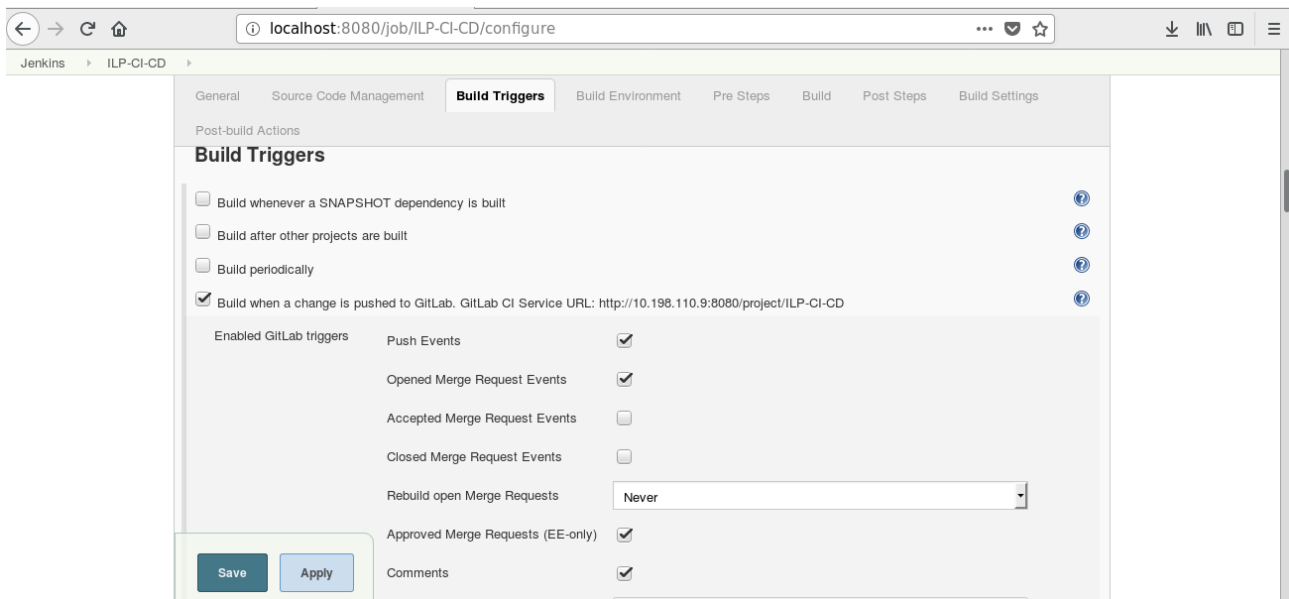
The screenshot shows the Jenkins Job Configuration page for a job named 'ILP-CI-CD'. The 'Source Code Management' tab is selected. The 'Source Code Management' section is expanded, showing the 'Repository URL' as 'https://topgear-training-gitlab.wipro.com/RA384875/ILP-CI-CD' and 'Credentials' as 'ra384875/\*\*\*\*\*'. Below this, there is a 'Branches to build' section with a 'Branch Specifier (blank for 'any')' set to '\*/master'. At the bottom, there are 'Save' and 'Apply' buttons.

#### Jenkins Job Configuration-III:



The screenshot shows the Jenkins Job Configuration page for a job named 'ILP-CI-CD'. The 'Source Code Management' tab is selected. The 'Source Code Management' section is expanded, showing the 'Repository browser' as 'gitlab', 'URL' as 'https://topgear-training-gitlab.wipro.com', and 'Version' as '11.0'. At the bottom, there is an 'Additional Behaviours' section with an 'Add' button.

## Jenkins Job Configuration-IV:



The screenshot shows the Jenkins Job Configuration page for the job 'ILP-CI-CD'. The 'Build Triggers' tab is selected. The page includes a breadcrumb trail 'Jenkins > ILP-CI-CD >' and a top navigation bar with tabs: General, Source Code Management, Build Triggers (active), Build Environment, Pre Steps, Build, Post Steps, and Build Settings. Below the tabs is a 'Post-build Actions' section. The main content area is titled 'Build Triggers' and contains the following options:

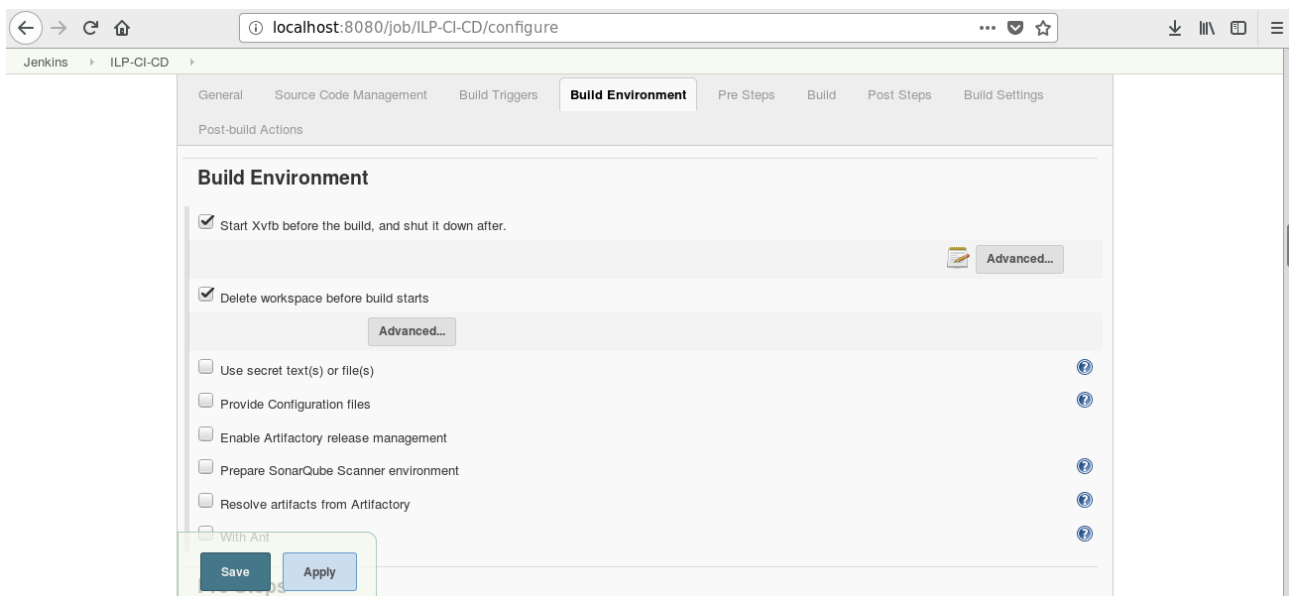
- ☐ Build whenever a SNAPSHOT dependency is built
- ☐ Build after other projects are built
- ☐ Build periodically
- ☒ Build when a change is pushed to GitLab. GitLab CI Service URL: `http://10.198.110.9:8080/project/ILP-CI-CD`

Below these options is a table for 'Enabled GitLab triggers':

Enabled GitLab triggers	Push Events	
	Push Events	<input checked="" type="checkbox"/>
	Opened Merge Request Events	<input checked="" type="checkbox"/>
	Accepted Merge Request Events	<input type="checkbox"/>
	Closed Merge Request Events	<input type="checkbox"/>
	Rebuild open Merge Requests	Never
	Approved Merge Requests (EE-only)	<input checked="" type="checkbox"/>
	Comments	<input checked="" type="checkbox"/>

At the bottom left of the configuration area are 'Save' and 'Apply' buttons.

## Jenkins Job Configuration-V:

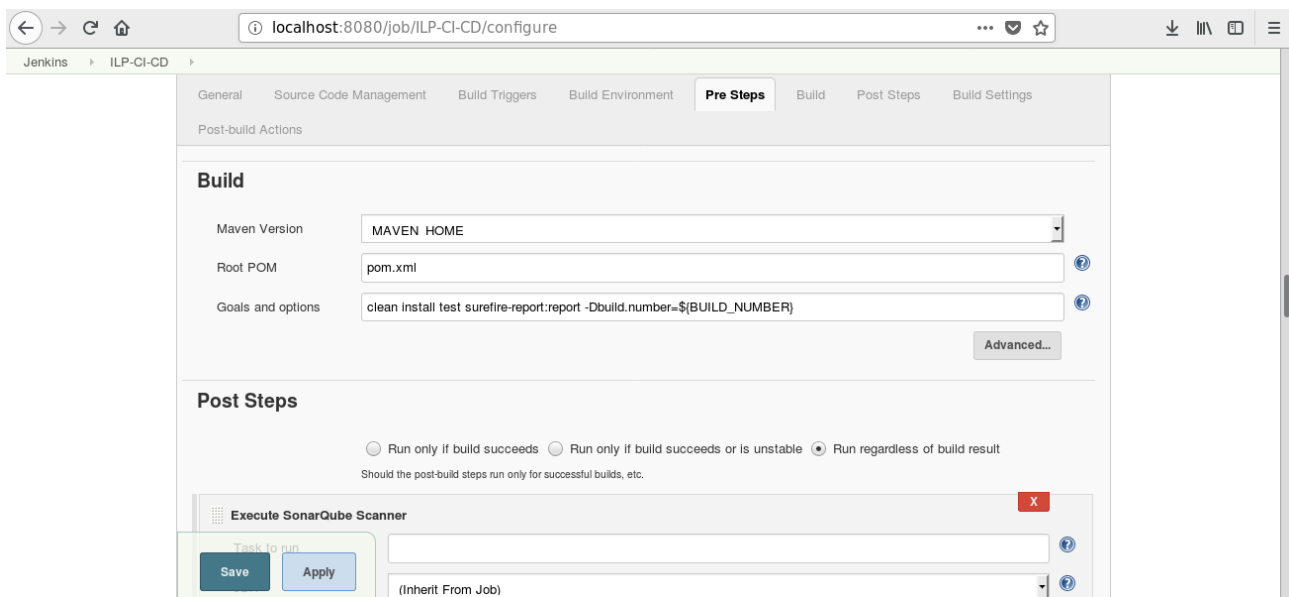


The screenshot shows the Jenkins Job Configuration page for the job 'ILP-CI-CD'. The 'Build Environment' tab is selected. The page includes a breadcrumb trail 'Jenkins > ILP-CI-CD >' and a top navigation bar with tabs: General, Source Code Management, Build Triggers, Build Environment (active), Pre Steps, Build, Post Steps, and Build Settings. Below the tabs is a 'Post-build Actions' section. The main content area is titled 'Build Environment' and contains the following options:

- ☒ Start Xvfb before the build, and shut it down after.
- ☒ Delete workspace before build starts
- ☐ Use secret text(s) or file(s)
- ☐ Provide Configuration files
- ☐ Enable Artifactory release management
- ☐ Prepare SonarQube Scanner environment
- ☐ Resolve artifacts from Artifactory
- ☐ With Ant

Each option has an 'Advanced...' button next to it. At the bottom left of the configuration area are 'Save' and 'Apply' buttons.

## Jenkins Job Configuration-VI:



The screenshot shows the Jenkins Job Configuration page for the job 'ILP-CI-CD'. The 'Pre Steps' tab is selected. The 'Build' section contains the following fields:

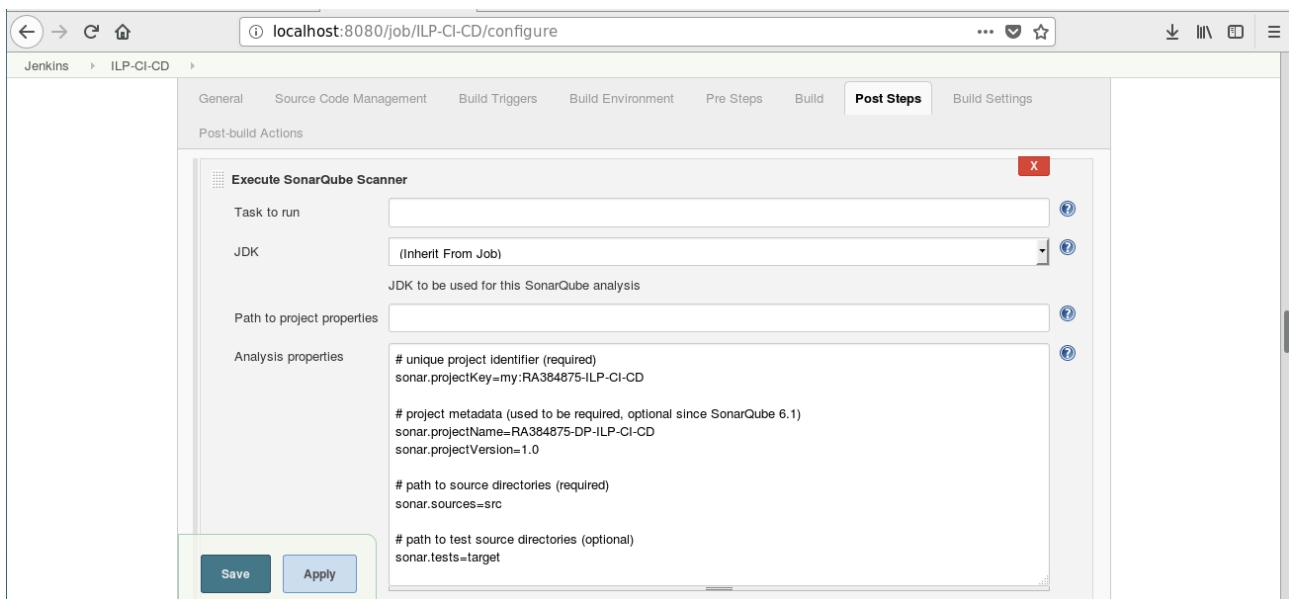
- Maven Version: MAVEN\_HOME
- Root POM: pom.xml
- Goals and options: clean install test surefire-report:report -Dbuild.number=\${BUILD\_NUMBER}

The 'Post Steps' section shows the following options:

- ☐ Run only if build succeeds
- ☐ Run only if build succeeds or is unstable
- ☒ Run regardless of build result

Below the options, there is a checkbox labeled 'Should the post-build steps run only for successful builds, etc.' which is unchecked. The 'Execute SonarQube Scanner' step is added to the 'Post Steps' list. The 'Task to run' field is empty, and the 'JDK' field is set to '(Inherit From Job)'. The 'Save' and 'Apply' buttons are visible at the bottom left of the step configuration area.

## Jenkins Job Configuration-VII:



The screenshot shows the Jenkins Job Configuration page for the job 'ILP-CI-CD'. The 'Post Steps' tab is selected. The 'Execute SonarQube Scanner' step is configured with the following fields:

- Task to run: (empty)
- JDK: (Inherit From Job)
- JDK to be used for this SonarQube analysis: (empty)
- Path to project properties: (empty)
- Analysis properties: 

```
# unique project identifier (required)
sonar.projectKey=my:RA384875-ILP-CI-CD

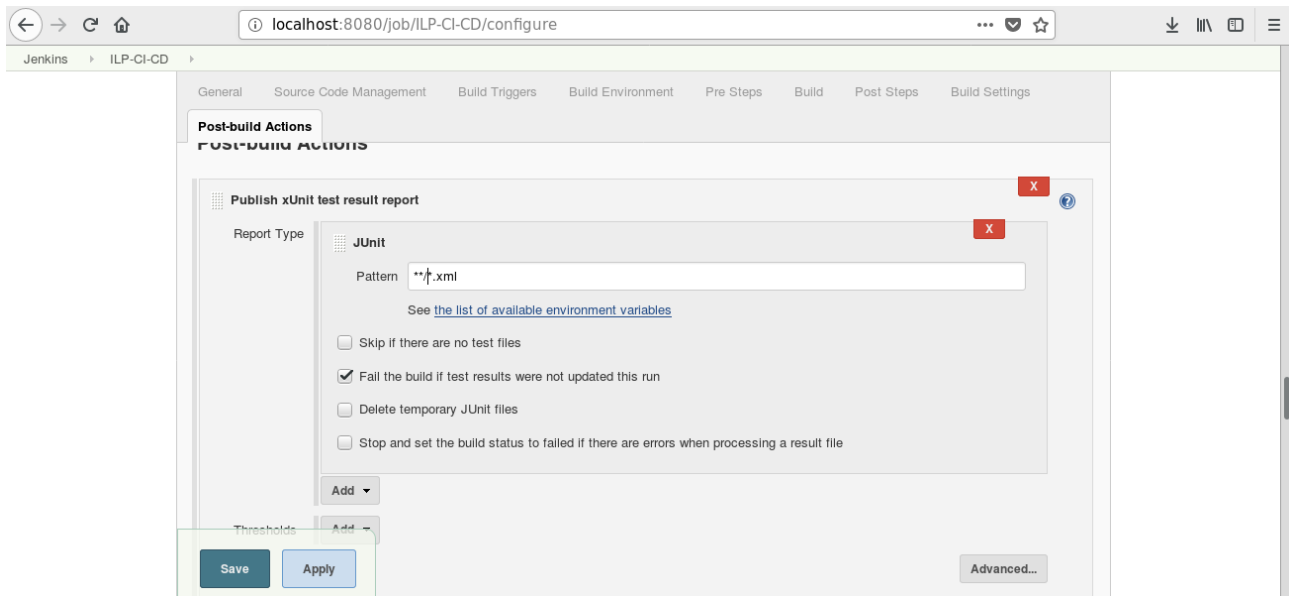
# project metadata (used to be required, optional since SonarQube 6.1)
sonar.projectName=RA384875-DP-ILP-CI-CD
sonar.projectVersion=1.0

# path to source directories (required)
sonar.sources=src

# path to test source directories (optional)
sonar.tests=target
```

The 'Save' and 'Apply' buttons are visible at the bottom left of the step configuration area.

## Jenkins Job Configuration-VIII:



The screenshot shows the Jenkins Job Configuration page for a job named 'ILP-CI-CD'. The 'Post-build Actions' tab is selected. Under this tab, the 'Publish xUnit test result report' action is configured. The 'Report Type' is set to 'JUnit'. The 'Pattern' is set to '\*\*/\*.xml'. There are four checkboxes: 'Skip if there are no test files' (unchecked), 'Fail the build if test results were not updated this run' (checked), 'Delete temporary JUnit files' (unchecked), and 'Stop and set the build status to failed if there are errors when processing a result file' (unchecked). A link 'See the list of available environment variables' is present. At the bottom, there are 'Save', 'Apply', and 'Advanced...' buttons.

localhost:8080/job/ILP-CI-CD/configure

Jenkins > ILP-CI-CD >

General Source Code Management Build Triggers Build Environment Pre Steps Build Post Steps Build Settings

**Post-build Actions**

**Publish xUnit test result report**

Report Type JUnit

Pattern

[See the list of available environment variables](#)

☐ Skip if there are no test files

☒ Fail the build if test results were not updated this run

☐ Delete temporary JUnit files

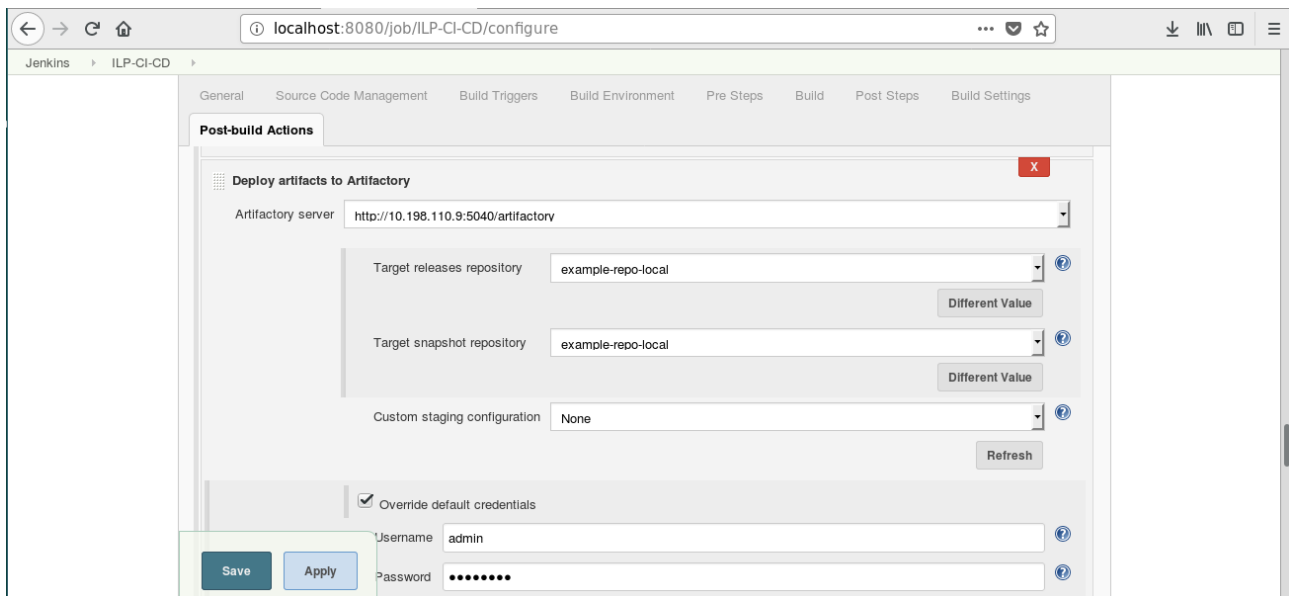
☐ Stop and set the build status to failed if there are errors when processing a result file

Add

Threshholds Add

Save Apply Advanced...

## Jenkins Job Configuration-IX:



The screenshot shows the Jenkins Job Configuration page for a job named 'ILP-CI-CD'. The 'Post-build Actions' tab is selected. Under this tab, the 'Deploy artifacts to Artifactory' action is configured. The 'Artifactory server' is set to 'http://10.198.110.9:5040/artifactory'. The 'Target releases repository' is set to 'example-repo-local'. The 'Target snapshot repository' is set to 'example-repo-local'. The 'Custom staging configuration' is set to 'None'. There are 'Different Value' buttons next to the repository fields. At the bottom, there is a checkbox 'Override default credentials' which is checked. Below this, the 'Username' is set to 'admin' and the 'Password' is masked with dots. At the bottom, there are 'Save', 'Apply', and 'Refresh' buttons.

localhost:8080/job/ILP-CI-CD/configure

Jenkins > ILP-CI-CD >

General Source Code Management Build Triggers Build Environment Pre Steps Build Post Steps Build Settings

**Post-build Actions**

**Deploy artifacts to Artifactory**

Artifactory server

Target releases repository  Different Value

Target snapshot repository  Different Value

Custom staging configuration  Refresh

☒ Override default credentials

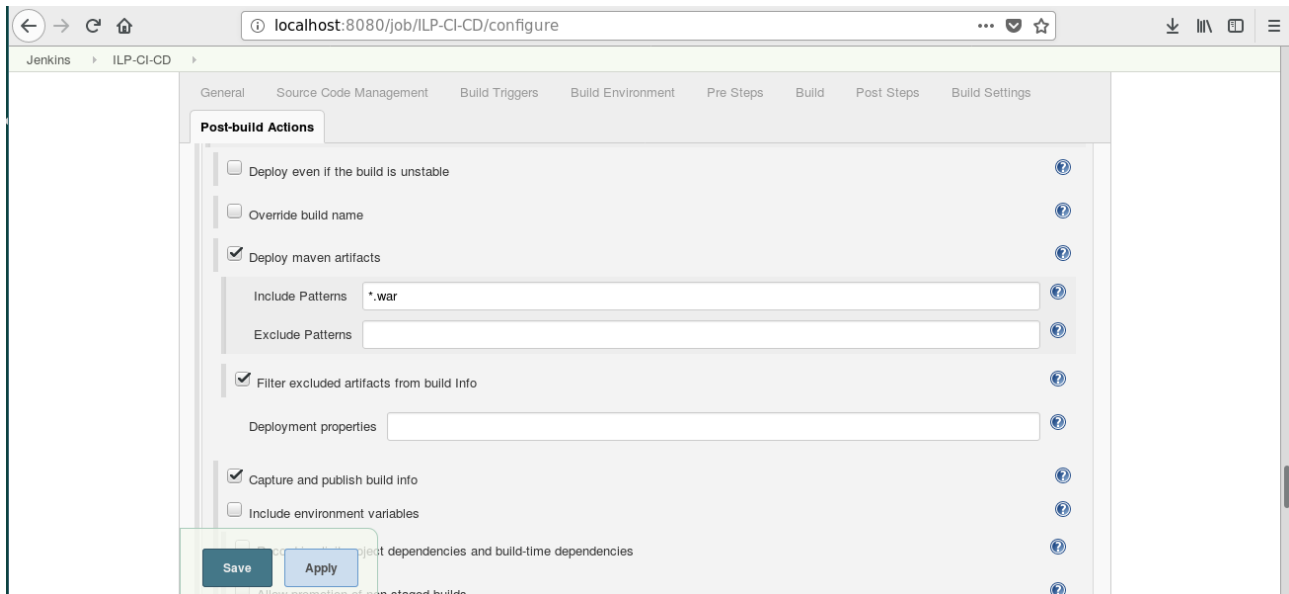
Username

Password

Save Apply Refresh



## Jenkins Job Configuration-X:



The screenshot shows the Jenkins Job Configuration page for a job named 'ILP-CI-CD'. The 'Post-build Actions' tab is selected. The configuration includes several options: 'Deploy even if the build is unstable' (unchecked), 'Override build name' (unchecked), 'Deploy maven artifacts' (checked), 'Include Patterns' (set to '\*.war'), 'Exclude Patterns' (empty), 'Filter excluded artifacts from build info' (checked), 'Deployment properties' (empty), 'Capture and publish build info' (checked), and 'Include environment variables' (unchecked). There are 'Save' and 'Apply' buttons at the bottom left. A tooltip is visible at the bottom left, stating 'Add post-build action'.

General Source Code Management Build Triggers Build Environment Pre Steps Build Post Steps Build Settings

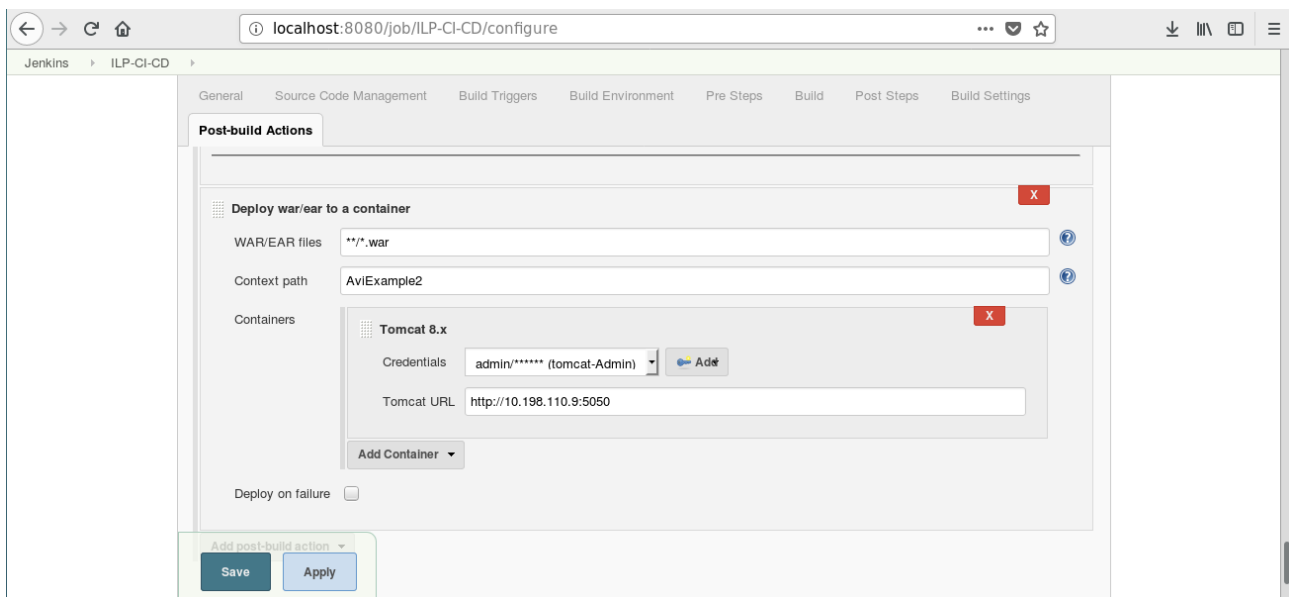
**Post-build Actions**

- ☐ Deploy even if the build is unstable
- ☐ Override build name
- ☒ Deploy maven artifacts
  - Include Patterns: \*.war
  - Exclude Patterns:
- ☒ Filter excluded artifacts from build info
- Deployment properties:
- ☒ Capture and publish build info
- ☐ Include environment variables

Save Apply

Add post-build action

## Jenkins Job Configuration-XI:



The screenshot shows the Jenkins Job Configuration page for a job named 'ILP-CI-CD'. The 'Post-build Actions' tab is selected. The configuration includes a 'Deploy war/ear to a container' section with the following details: 'WAR/EAR files' (set to '\*\*/\*.war'), 'Context path' (set to 'AviExample2'), and a list of containers. The first container is 'Tomcat 8.x' with 'Credentials' (set to 'admin/\*\*\*\*\* (tomcat-Admin)') and 'Tomcat URL' (set to 'http://10.198.110.9:5050'). There is an 'Add Container' button and a 'Deploy on failure' checkbox (unchecked). There are 'Save' and 'Apply' buttons at the bottom left. A tooltip is visible at the bottom left, stating 'Add post-build action'.

General Source Code Management Build Triggers Build Environment Pre Steps Build Post Steps Build Settings

**Post-build Actions**

Deploy war/ear to a container

WAR/EAR files: \*\*/\*.war

Context path: AviExample2

Containers:

- Tomcat 8.x
  - Credentials: admin/\*\*\*\*\* (tomcat-Admin)
  - Tomcat URL: http://10.198.110.9:5050

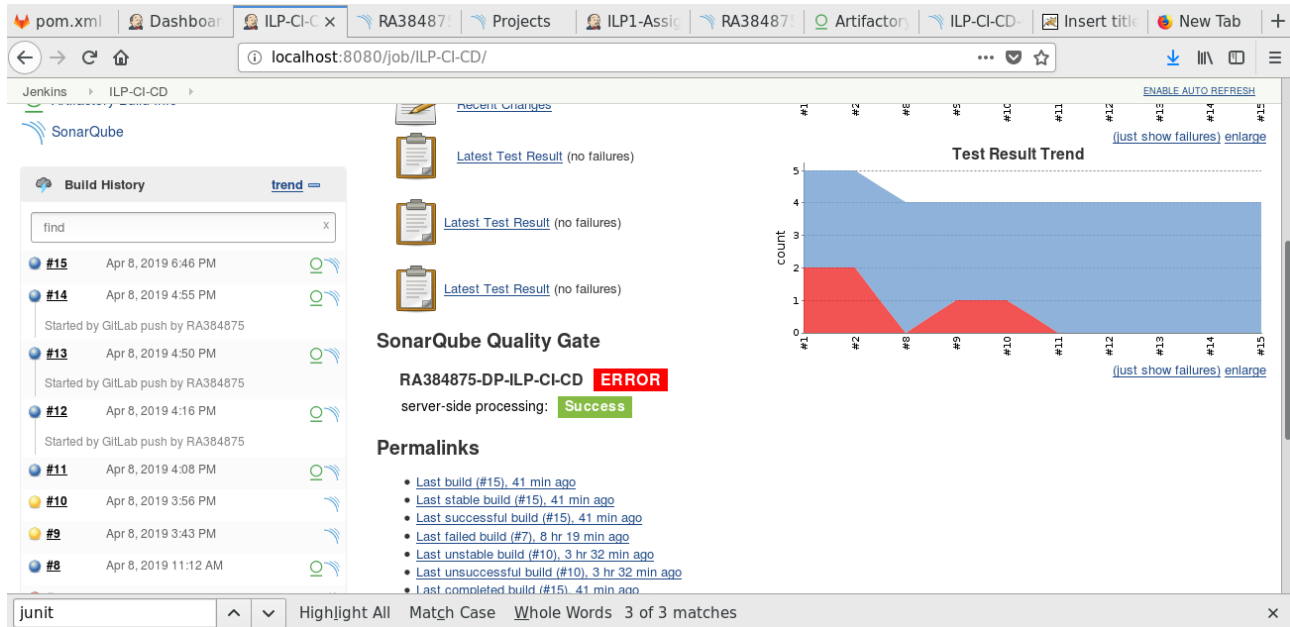
Add Container

Deploy on failure: ☐

Save Apply

Add post-build action

## Jenkins Job Build History:



## Jenkins Console Output:

### Console Output

Started by GitLab push by RA384875

Building in workspace /var/lib/jenkins/workspace/ILP-CI-CD

[WS-CLEANUP] Deleting project workspace...

[WS-CLEANUP] Deferred wipeout is used...

[WS-CLEANUP] Done

Cloning the remote Git repository

Cloning repository https://topgear-training-gitlab.wipro.com/RA384875/ILP-CI-CD

> git init /var/lib/jenkins/workspace/ILP-CI-CD # timeout=10

Fetching upstream changes from https://topgear-training-gitlab.wipro.com/RA384875/ILP-CI-CD

> git --version # timeout=10

using GIT\_ASKPASS to set credentials

Setting http proxy: proxy2.wipro.com:8080

```
> git fetch --tags --progress https://topgear-training-gitlab.wipro.com/RA384875/ILP-CI-CD  
+refs/heads/*:refs/remotes/origin/*
```

```
> git config remote.origin.url https://topgear-training-gitlab.wipro.com/RA384875/ILP-CI-CD # timeout=10
```

```
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
```

```
> git config remote.origin.url https://topgear-training-gitlab.wipro.com/RA384875/ILP-CI-CD # timeout=10
```

Fetching upstream changes from https://topgear-training-gitlab.wipro.com/RA384875/ILP-CI-CD

using GIT\_ASKPASS to set credentials

Setting http proxy: proxy2.wipro.com:8080

```
> git fetch --tags --progress https://topgear-training-gitlab.wipro.com/RA384875/ILP-CI-CD  
+refs/heads/*:refs/remotes/origin/*
```

skipping resolution of commit remotes/origin/master, since it originates from another repository

```
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
```

```
> git rev-parse refs/remotes/origin/origin/master^{commit} # timeout=10
```

Checking out Revision 50d8b638d3511772e12fc7054c9113fed8259743  
(refs/remotes/origin/master)

```
> git config core.sparsecheckout # timeout=10
```

```
> git checkout -f 50d8b638d3511772e12fc7054c9113fed8259743
```

Commit message: "Updated pom.xml"

```
> git rev-list --no-walk 08b3c5b41fde35e958eda87ee61129872195b7cf # timeout=10
```

Xvfb starting\$ /usr/bin/Xvfb :1 -screen 0 1024x768x24 -fbdir /var/lib/jenkins/xvfb-14-4728751924951527734.fbidir

No emails were triggered.

Parsing POMs

Modules changed, recalculating dependency graph

Established TCP socket on 37576

```
[ILP-CI-CD] $ /usr/java/jdk1.8.0_162/bin/java -cp /var/lib/jenkins/plugins/maven-plugin/WEB-INF/lib/maven35-agent-1.12-alpha-1.jar:/opt/apache-maven-3.5.2/boot/plexus-classworlds-2.5.2.jar:/opt/apache-maven-3.5.2/conf/logging
```

jenkins.maven3.agent.Maven35Main /opt/apache-maven-3.5.2 /var/cache/jenkins/war/WEB-INF/lib/remoting-3.14.jar /var/lib/jenkins/plugins/maven-plugin/WEB-INF/lib/maven3-interceptor-1.12-alpha-1.jar /var/lib/jenkins/plugins/maven-plugin/WEB-INF/lib/maven3-interceptor-commons-1.12-alpha-1.jar 37576

<===[JENKINS REMOTING CAPACITY]===>channel started

Executing Maven: -B -f /var/lib/jenkins/workspace/ILP-CI-CD/pom.xml  
-Dmaven.repo.local=/var/lib/jenkins/maven-repositories/0 clean install test surefire-report:report -Dbuild.number=14

[INFO] Scanning for projects...

[WARNING]

[WARNING] Some problems were encountered while building the effective model for wipro.avi:AviExample2:war:0.0.14-SNAPSHOT

[WARNING] 'version' contains an expression but should be a constant. @  
wipro.avi:AviExample2:0.0.\${BUILD\_NUMBER}-SNAPSHOT,  
/var/lib/jenkins/workspace/ILP-CI-CD/pom.xml, line 7, column 12

[WARNING]

[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.

[WARNING]

[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.

[WARNING]

[INFO] Initializing Artifactory Build-Info Recording

[HUDSON] Collecting dependencies info

[WARNING] The POM for org.eclipse.m2e:lifecycle-mapping:jar:1.0.0 is missing, no dependency information available

[WARNING] Failed to retrieve plugin descriptor for org.eclipse.m2e:lifecycle-mapping:1.0.0: Plugin org.eclipse.m2e:lifecycle-mapping:1.0.0 or one of its dependencies could not be resolved: Failure to find org.eclipse.m2e:lifecycle-mapping:jar:1.0.0 in https://repo.maven.apache.org/maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has elapsed or updates are forced

[INFO]

[INFO] -----

[INFO] Building AviExample2 Maven Webapp 0.0.14-SNAPSHOT

**[INFO]** -----

**[WARNING]** The POM for org.eclipse.m2e:lifecycle-mapping:jar:1.0.0 is missing, no dependency information available

**[WARNING]** Failed to retrieve plugin descriptor for org.eclipse.m2e:lifecycle-mapping:1.0.0: Plugin org.eclipse.m2e:lifecycle-mapping:1.0.0 or one of its dependencies could not be resolved: Failure to find org.eclipse.m2e:lifecycle-mapping:jar:1.0.0 in https://repo.maven.apache.org/maven2 was cached in the local repository, resolution will not be reattempted until the update interval of central has elapsed or updates are forced

**[INFO]**

**[INFO]** --- maven-clean-plugin:2.5:clean (default-clean) @ AviExample2 ---

**[INFO]**

**[INFO]** --- maven-resources-plugin:2.6:resources (default-resources) @ AviExample2 ---

**[WARNING]** Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!

**[INFO]** skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/main/resources

**[INFO]**

**[INFO]** --- maven-compiler-plugin:3.1:compile (default-compile) @ AviExample2 ---

**[INFO]** Changes detected - recompiling the module!

**[WARNING]** File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!

**[INFO]** Compiling 1 source file to /var/lib/jenkins/workspace/ILP-CI-CD/target/classes

**[INFO]**

**[INFO]** --- build-helper-maven-plugin:1.9.1:add-test-source (add-integration-test-sources) @ AviExample2 ---

**[INFO]** Test Source directory: /var/lib/jenkins/workspace/ILP-CI-CD/src/integration-test/java added.

**[INFO]**

**[INFO]** --- build-helper-maven-plugin:1.9.1:add-test-resource (add-integration-test-resources) @ AviExample2 ---

**[INFO]**

**[INFO]** --- maven-resources-plugin:2.6:testResources (default-testResources) @ AviExample2

---

**[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!**

**[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!**

**[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/test/resources**

**[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/integration-test/resources**

**[INFO]**

**[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ AviExample2 ---**

**[INFO] Changes detected - recompiling the module!**

**[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!**

**[INFO] Compiling 3 source files to /var/lib/jenkins/workspace/ILP-CI-CD/target/test-classes**

**[INFO]**

**[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ AviExample2 ---**

**[INFO] Surefire report directory: /var/lib/jenkins/workspace/ILP-CI-CD/target/surefire-reports**

**[INFO] parallel='none', perCoreThreadCount=true, threadCount=0, useUnlimitedThreads=false, threadCountSuites=0, threadCountClasses=0, threadCountMethods=0, parallelOptimized=true**

---

## **T E S T S**

---

**Running com.patel.mywebdemo.ProcessLoginTest**

**Tests run: 3, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.042 sec - in com.patel.mywebdemo.ProcessLoginTest**

**Results :**

**Tests run: 3, Failures: 0, Errors: 0, Skipped: 0**

**[JENKINS] Recording test results**

**[INFO]**

**[INFO] --- maven-war-plugin:2.2:war (default-war) @ AviExample2 ---**

**[INFO] Packaging webapp**

**[INFO] Assembling webapp [AviExample2] in [/var/lib/jenkins/workspace/ILP-CI-CD/target/AviExample2]**

**[INFO] Processing war project**

**[INFO] Copying webapp resources [/var/lib/jenkins/workspace/ILP-CI-CD/src/main/webapp]**

**[INFO] Webapp assembled in [44 msec]**

**[INFO] Building war: /var/lib/jenkins/workspace/ILP-CI-CD/target/AviExample2.war**

**[INFO] WEB-INF/web.xml already added, skipping**

**[INFO]**

**[INFO] >>> tomcat7-maven-plugin:2.2:run (start-tomcat) > process-classes @ AviExample2  
>>>**

**[INFO]**

**[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ AviExample2 ---**

**[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!**

**[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/main/resources**

**[INFO]**

**[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ AviExample2 ---**

**[INFO] Nothing to compile - all classes are up to date**

**[WARNING] Failed to getClass for org.apache.tomcat.maven.plugin.tomcat7.run.RunMojo**

**[INFO]**

**[INFO] <<< tomcat7-maven-plugin:2.2:run (start-tomcat) < process-classes @ AviExample2  
<<<**

**[INFO]**

**[INFO]**

**[INFO] --- tomcat7-maven-plugin:2.2:run (start-tomcat) @ AviExample2 ---**

[INFO] Running war on http://localhost:6080/AviExample2  
[INFO] Creating Tomcat server configuration at /var/lib/jenkins/workspace/ILP-CI-CD/target/tomcat  
[INFO] create webapp with contextPath: /AviExample2  
[INFO] Initializing ProtocolHandler ["http-bio-6080"]  
[INFO] Starting service Tomcat  
[INFO] Starting Servlet Engine: Apache Tomcat/7.0.47  
[INFO] Starting ProtocolHandler ["http-bio-6080"]  
[INFO]  
[INFO] --- maven-failsafe-plugin:2.19.1:integration-test (default) @ AviExample2 ---

---

## TESTS

---

1554722769122      geckodriver   INFO geckodriver 0.19.1  
1554722769133      geckodriver   INFO Listening on 127.0.0.1:29975  
1554722769671      mozrunner::runner INFO Running command: "/usr/lib/firefox/firefox"  
"-marionette" "-profile" "/tmp/rust\_mozprofile.3gJMzs8ufwAs"  
1554722772286      Marionette    INFO Enabled via --marionette  
1554722776183      Marionette    INFO Listening on port 40355  
Apr 08, 2019 4:56:16 PM org.openqa.selenium.remote.ProtocolHandshake createSession  
INFO: Detected dialect: W3C  
Running com.demo.HelloWorldTest  
### Home Page Successful ###  
[Child 16622, Chrome\_ChildThread] WARNING: pipe error (3): Connection reset by peer:  
file /build/firefox-9j9NY8/firefox-  
58.0.2+build1/ipc/chromium/src/chrome/common/ipc\_channel\_posix.cc, line 353  
[GFX1-]: Receive IPC close with reason=AbnormalShutdown  
[Child 16527, Chrome\_ChildThread] WARNING: pipe error (15): Connection reset by peer:  
file /build/firefox-9j9NY8/firefox-  
58.0.2+build1/ipc/chromium/src/chrome/common/ipc\_channel\_posix.cc, line 353



**[GFX1-]: Receive IPC close with reason=AbnormalShutdown**

**[Child 16527, Chrome\_ChildThread] WARNING: pipe error (3): Connection reset by peer:  
file /build/firefox-9j9NY8/firefox-  
58.0.2+build1/ipc/chromium/src/chrome/common/ipc\_channel\_posix.cc, line 353**

**Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 3.173 sec - in  
com.demo.HelloWorldTest**

**Results :**

**Tests run: 1, Failures: 0, Errors: 0, Skipped: 0**

**[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is  
platform dependent! The file encoding for reports output files should be provided by the POM  
property \${project.reporting.outputEncoding}.**

**[JENKINS] Recording test results**

**[INFO]**

**[INFO] --- tomcat7-maven-plugin:2.2:shutdown (stop-tomcat) @ AviExample2 ---**

**[INFO] Pausing ProtocolHandler ["http-bio-6080"]**

**[INFO] Stopping service Tomcat**

**[INFO] Stopping ProtocolHandler ["http-bio-6080"]**

**[INFO]**

**[INFO] --- maven-failsafe-plugin:2.19.1:verify (default) @ AviExample2 ---**

**[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is  
platform dependent! The file encoding for reports output files should be provided by the POM  
property \${project.reporting.outputEncoding}.**

**[JENKINS] Recording test results[INFO]**

**[INFO] --- maven-install-plugin:2.4:install (default-install) @ AviExample2 ---**

**[INFO] Installing /var/lib/jenkins/workspace/ILP-CI-CD/target/AviExample2.war to  
/var/lib/jenkins/maven-repositories/0/wipro/avi/AviExample2/0.0.14-  
SNAPSHOT/AviExample2-0.0.14-SNAPSHOT.war**

**[INFO] Installing /var/lib/jenkins/workspace/ILP-CI-CD/pom.xml to /var/lib/jenkins/maven-repositories/0/wipro/avi/AviExample2/0.0.14-SNAPSHOT/AviExample2-0.0.14-SNAPSHOT.pom**

**[INFO]**

**[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ AviExample2 ---**

**[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!**

**[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/main/resources**

**[INFO]**

**[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ AviExample2 ---**

**[INFO] Nothing to compile - all classes are up to date**

**[INFO]**

**[INFO] --- build-helper-maven-plugin:1.9.1:add-test-source (add-integration-test-sources) @ AviExample2 ---**

**[INFO] Test Source directory: /var/lib/jenkins/workspace/ILP-CI-CD/src/integration-test/java added.**

**[INFO]**

**[INFO] --- build-helper-maven-plugin:1.9.1:add-test-resource (add-integration-test-resources) @ AviExample2 ---**

**[INFO]**

**[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ AviExample2 ---**

**[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!**

**[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!**

**[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/test/resources**

**[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/integration-test/resources**

**[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/integration-test/resources**

**[INFO]**

**[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ AviExample2 ---**

**[INFO] Nothing to compile - all classes are up to date**

**[INFO]**

**[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ AviExample2 ---**

**[INFO] Skipping execution of surefire because it has already been run for this configuration**

**[JENKINS] Recording test results**

**[INFO]**

**[INFO] >>> maven-surefire-report-plugin:3.0.0-M3:report (default-cli) > [surefire]test @ AviExample2 >>>**

**[INFO]**

**[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ AviExample2 ---**

**[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!**

**[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/main/resources**

**[INFO]**

**[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ AviExample2 ---**

**[INFO] Nothing to compile - all classes are up to date**

**[INFO]**

**[INFO] --- build-helper-maven-plugin:1.9.1:add-test-source (add-integration-test-sources) @ AviExample2 ---**

**[INFO] Test Source directory: /var/lib/jenkins/workspace/ILP-CI-CD/src/integration-test/java added.**

**[INFO]**

**[INFO] --- build-helper-maven-plugin:1.9.1:add-test-resource (add-integration-test-resources) @ AviExample2 ---**

**[INFO]**

**[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ AviExample2 ---**

**[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!**

**[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!**

**[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/test/resources**

**[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/integration-test/resources**

**[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/integration-test/resources**

**[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/ILP-CI-CD/src/integration-test/resources**

**[INFO]**

**[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ AviExample2 ---**

**[INFO] Nothing to compile - all classes are up to date**

**[INFO]**

**[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ AviExample2 ---**

**[INFO] Skipping execution of surefire because it has already been run for this configuration**

**[WARNING] Failed to getClass for org.apache.maven.plugins.surefire.report.SurefireReportMojo**

**[JENKINS] Recording test results**

**[INFO]**

**[INFO] <<< maven-surefire-report-plugin:3.0.0-M3:report (default-cli) < [surefire]test @ AviExample2 <<<**

**[INFO]**

**[INFO]**

**[INFO] --- maven-surefire-report-plugin:3.0.0-M3:report (default-cli) @ AviExample2 ---**

**[WARNING] Unable to locate Test Source XRef to link to - DISABLED**

**[INFO] Artifactory Build Info Recorder: Saving Build Info to '/var/lib/jenkins/workspace/ILP-CI-CD/target/build-info.json'**

**[INFO] Artifactory Build Info Recorder: Deploying build info ...**

**[INFO] Deploying build descriptor to: http://10.198.110.9:5040/artifactory/api/build**

**[INFO] Build successfully deployed. Browse it in Artifactory under http://10.198.110.9:5040/artifactory/webapp/builds/ILP-CI-CD/14**

[INFO] -----

[INFO] BUILD SUCCESS

[INFO] -----

[INFO] Total time: 43.958 s

[INFO] Finished at: 2019-04-08T16:56:28+05:30

[INFO] Final Memory: 50M/396M

[INFO] -----

[JENKINS] Archiving /var/lib/jenkins/workspace/ILP-CI-CD/pom.xml to  
wipro.avi/AviExample2/0.0.14-SNAPSHOT/AviExample2-0.0.14-SNAPSHOT.pom

channel stopped

[ILP-CI-CD] \$ /home/osgdev/sonar-scanner-3.2/bin/sonar-scanner -e  
-Dsonar.host.url=http://localhost:9000/sonar -Dsonar.projectName=RA384875-DP-ILP-CI-  
CD -Dsonar.projectVersion=1.0 -Dsonar.tests=target -Dsonar.projectKey=my:RA384875-ILP-  
CI-CD -Dsonar.sources=src -Dsonar.projectBaseDir=/var/lib/jenkins/workspace/ILP-CI-CD

INFO: Option -e/--errors is no longer supported and will be ignored

INFO: Scanner configuration file: /home/osgdev/sonar-scanner-3.2/conf/sonar-  
scanner.properties

INFO: Project root configuration file: NONE

INFO: SonarQube Scanner 3.2.0.1227

INFO: Java 1.8.0\_121 Oracle Corporation (64-bit)

INFO: Linux 4.4.0-112-generic amd64

INFO: User cache: /var/lib/jenkins/.sonar/cache

INFO: SonarQube server 6.4.0

INFO: Default locale: "en\_IN", source code encoding: "UTF-8" (analysis is platform  
dependent)

INFO: Load global settings

INFO: Load global settings (done) | time=237ms

INFO: User cache: /var/lib/jenkins/.sonar/cache

INFO: Load plugins index

INFO: Load plugins index (done) | time=11ms

INFO: Process project properties

**INFO: Load project repositories**

**INFO: Load project repositories (done) | time=173ms**

**INFO: Load quality profiles**

**INFO: Load quality profiles (done) | time=110ms**

**INFO: Load active rules**

**INFO: Load active rules (done) | time=2025ms**

**INFO: Load metrics repository**

**INFO: Load metrics repository (done) | time=193ms**

**INFO: Publish mode**

**INFO: Project key: my:RA384875-ILP-CI-CD**

**INFO: ----- Scan RA384875-DP-ILP-CI-CD**

**INFO: Load server rules**

**INFO: Load server rules (done) | time=153ms**

**INFO: Initializer GenericCoverageSensor**

**INFO: Initializer GenericCoverageSensor (done) | time=0ms**

**INFO: Base dir: /var/lib/jenkins/workspace/ILP-CI-CD**

**INFO: Working dir: /var/lib/jenkins/workspace/ILP-CI-CD/.scannerwork**

**INFO: Source paths: src**

**INFO: Test paths: target**

**INFO: Source encoding: UTF-8, default locale: en\_IN**

**INFO: Index files**

**INFO: 38 files indexed**

**INFO: Quality profile for java: Sonar way**

**INFO: Quality profile for xml: Sonar way**

**INFO: Sensor JavaSquidSensor [java]**

**INFO: Configured Java source version (sonar.java.source): none**

**INFO: JavaClasspath initialization**

**WARN: Bytecode of dependencies was not provided for analysis of source files, you might end up with less precise results. Bytecode can be provided using sonar.java.libraries property**

**INFO: JavaClasspath initialization (done) | time=3ms**

**INFO: JavaTestClasspath initialization**

**WARN: Bytecode of dependencies was not provided for analysis of test files, you might end up with less precise results. Bytecode can be provided using sonar.java.test.libraries property**

**INFO: JavaTestClasspath initialization (done) | time=0ms**

**INFO: Java Main Files AST scan**

**INFO: 4 source files to be analyzed**

**INFO: 4/4 source files have been analyzed**

**INFO: Java Main Files AST scan (done) | time=1240ms**

**INFO: Java Test Files AST scan**

**INFO: 1 source files to be analyzed**

**INFO: Java Test Files AST scan (done) | time=97ms**

**INFO: Sensor JavaSquidSensor [java] (done) | time=2174ms**

**INFO: Sensor SurefireSensor [java]**

**INFO: parsing /var/lib/jenkins/workspace/ILP-CI-CD/target/surefire-reports**

**INFO: 1/1 source files have been analyzed**

**INFO: Sensor SurefireSensor [java] (done) | time=126ms**

**INFO: Sensor JaCoCoSensor [java]**

**INFO: Sensor JaCoCoSensor [java] (done) | time=6ms**

**INFO: Sensor SonarJavaXmlFileSensor [java]**

**INFO: 7 source files to be analyzed**

**INFO: Sensor SonarJavaXmlFileSensor [java] (done) | time=250ms**

**INFO: 7/7 source files have been analyzed**

**INFO: Sensor XML Sensor [xml]**

**INFO: Sensor XML Sensor [xml] (done) | time=101ms**

**INFO: Sensor Analyzer for "php.ini" files [php]**

**INFO: Sensor Analyzer for "php.ini" files [php] (done) | time=3ms**

**INFO: Sensor Zero Coverage Sensor**

**INFO: Sensor Zero Coverage Sensor (done) | time=40ms**

**INFO: Sensor CPD Block Indexer**

**INFO: Sensor CPD Block Indexer (done) | time=63ms**

**INFO:** SCM provider for this project is: git

**INFO:** 7 files to be analyzed

**INFO:** 0/7 files analyzed

**WARN:** Missing blame information for the following files:

**WARN:** \* /var/lib/jenkins/workspace/ILP-CI-CD/target/tomcat/work/Tomcat/localhost/AviExample2/org/apache/jsp/index\_jsp.java

**WARN:** \* /var/lib/jenkins/workspace/ILP-CI-CD/target/tomcat/conf/web.xml

**WARN:** \* /var/lib/jenkins/workspace/ILP-CI-CD/target/failsafe-reports/TEST-com.demo.HelloWorldTest.xml

**WARN:** \* /var/lib/jenkins/workspace/ILP-CI-CD/target/surefire-reports/TEST-com.patel.mywebdemo.ProcessLoginTest.xml

**WARN:** \* /var/lib/jenkins/workspace/ILP-CI-CD/target/AviExample2/WEB-INF/web.xml

**WARN:** \* /var/lib/jenkins/workspace/ILP-CI-CD/target/tomcat/conf/tomcat-users.xml

**WARN:** \* /var/lib/jenkins/workspace/ILP-CI-CD/target/failsafe-reports/failsafe-summary.xml

**WARN:** This may lead to missing/broken features in SonarQube

**INFO:** 1 file had no CPD blocks

**INFO:** Calculating CPD for 3 files

**INFO:** CPD calculation finished

**INFO:** Analysis report generated in 176ms, dir size=214 KB

**INFO:** Analysis reports compressed in 35ms, zip size=46 KB

**INFO:** Analysis report uploaded in 90ms

**INFO:** ANALYSIS SUCCESSFUL, you can browse

<http://localhost:9000/sonar/dashboard/index/my:RA384875-ILP-CI-CD>

**INFO:** Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report

**INFO:** More about the report processing at [http://localhost:9000/sonar/api/ce/task?id=AWn8s0XA4EgiZYe\\_77mh](http://localhost:9000/sonar/api/ce/task?id=AWn8s0XA4EgiZYe_77mh)

**INFO:** Task total time: 9.320 s

**INFO:** -----

**INFO:** EXECUTION SUCCESS

**INFO:** -----



**INFO: Total time: 11.744s**

**INFO: Final Memory: 10M/159M**

**INFO: -----**

**Xvfb stopping**

**INFO: Starting to record.**

**INFO: Processing JUnit**

**unlink: No such file or directory**

**unlink /var/lib/jenkins/xvfb-14-4728751924951527734.fbdir/Xvfb\_screen0 failed, Invalid argument**  
**INFO: [JUnit] - 8 test report file(s) were found with the pattern '\*\*/\*.xml' relative to '/var/lib/jenkins/workspace/ILP-CI-CD' for the testing framework 'JUnit'.**

**WARNING: The file '/var/lib/jenkins/workspace/ILP-CI-CD/pom.xml' is an invalid file.**

**WARNING: At line 2 of file:/var/lib/jenkins/workspace/ILP-CI-CD/pom.xml:cvc-elt.1: Cannot find the declaration of element 'project'.**

**WARNING: The result file '/var/lib/jenkins/workspace/ILP-CI-CD/pom.xml' for the metric 'JUnit' is not valid. The result file has been skipped.**

**WARNING: The file '/var/lib/jenkins/workspace/ILP-CI-CD/src/main/webapp/WEB-INF/web.xml' is an invalid file.**

**WARNING: At line 5 of file:/var/lib/jenkins/workspace/ILP-CI-CD/src/main/webapp/WEB-INF/web.xml:cvc-elt.1: Cannot find the declaration of element 'web-app'.**

**WARNING: The result file '/var/lib/jenkins/workspace/ILP-CI-CD/src/main/webapp/WEB-INF/web.xml' for the metric 'JUnit' is not valid. The result file has been skipped.**

**WARNING: The file '/var/lib/jenkins/workspace/ILP-CI-CD/target/AviExample2/WEB-INF/web.xml' is an invalid file.**

**WARNING: At line 5 of file:/var/lib/jenkins/workspace/ILP-CI-CD/target/AviExample2/WEB-INF/web.xml:cvc-elt.1: Cannot find the declaration of element 'web-app'.**

**WARNING: The result file '/var/lib/jenkins/workspace/ILP-CI-CD/target/AviExample2/WEB-INF/web.xml' for the metric 'JUnit' is not valid. The result file has been skipped.**

**WARNING: The file '/var/lib/jenkins/workspace/ILP-CI-CD/target/failsafe-reports/TEST-com.demo.HelloWorldTest.xml' is an invalid file.**

**WARNING: At line 2 of file:/var/lib/jenkins/workspace/ILP-CI-CD/target/failsafe-reports/TEST-com.demo.HelloWorldTest.xml:SchemaLocation: schemaLocation value =**

**'https://maven.apache.org/surefire/maven-surefire-plugin/xsd/surefire-test-report.xsd' must have even number of URI's.**

**WARNING: The result file '/var/lib/jenkins/workspace/ILP-CI-CD/target/failsafe-reports/TEST-com.demo.HelloWorldTest.xml' for the metric 'JUnit' is not valid. The result file has been skipped.**

**WARNING: The file '/var/lib/jenkins/workspace/ILP-CI-CD/target/failsafe-reports/failsafe-summary.xml' is an invalid file.**

**WARNING: At line 2 of file:/var/lib/jenkins/workspace/ILP-CI-CD/target/failsafe-reports/failsafe-summary.xml:cvc-elt.1: Cannot find the declaration of element 'failsafe-summary'.**

**WARNING: The result file '/var/lib/jenkins/workspace/ILP-CI-CD/target/failsafe-reports/failsafe-summary.xml' for the metric 'JUnit' is not valid. The result file has been skipped.**

**WARNING: The file '/var/lib/jenkins/workspace/ILP-CI-CD/target/tomcat/conf/tomcat-users.xml' is an invalid file.**

**WARNING: At line 18 of file:/var/lib/jenkins/workspace/ILP-CI-CD/target/tomcat/conf/tomcat-users.xml:cvc-elt.1: Cannot find the declaration of element 'tomcat-users'.**

**WARNING: The result file '/var/lib/jenkins/workspace/ILP-CI-CD/target/tomcat/conf/tomcat-users.xml' for the metric 'JUnit' is not valid. The result file has been skipped.**

**WARNING: The file '/var/lib/jenkins/workspace/ILP-CI-CD/target/tomcat/conf/web.xml' is an invalid file.**

**WARNING: At line 22 of file:/var/lib/jenkins/workspace/ILP-CI-CD/target/tomcat/conf/web.xml:cvc-elt.1: Cannot find the declaration of element 'web-app'.**

**WARNING: The result file '/var/lib/jenkins/workspace/ILP-CI-CD/target/tomcat/conf/web.xml' for the metric 'JUnit' is not valid. The result file has been skipped.**

**INFO: Setting the build status to SUCCESS**

**INFO: Stopping recording.**

**Deploying /var/lib/jenkins/workspace/ILP-CI-CD/target/AviExample2.war to container Tomcat 8.x Remote with context AviExample2**

**Redeploying [/var/lib/jenkins/workspace/ILP-CI-CD/target/AviExample2.war]**

**Undeploying [/var/lib/jenkins/workspace/ILP-CI-CD/target/AviExample2.war]**

**Deploying [/var/lib/jenkins/workspace/ILP-CI-CD/target/AviExample2.war]**

Email was triggered for: Success

Sending email for trigger: Success

Request made to compress build log

Sending email to: avinash.patel@wipro.com raghavendran.sethumadhavan1@wipro.com  
ramesh.rajamani@wipro.com ramesh.kasinathan@wipro.com

Finished: SUCCESS

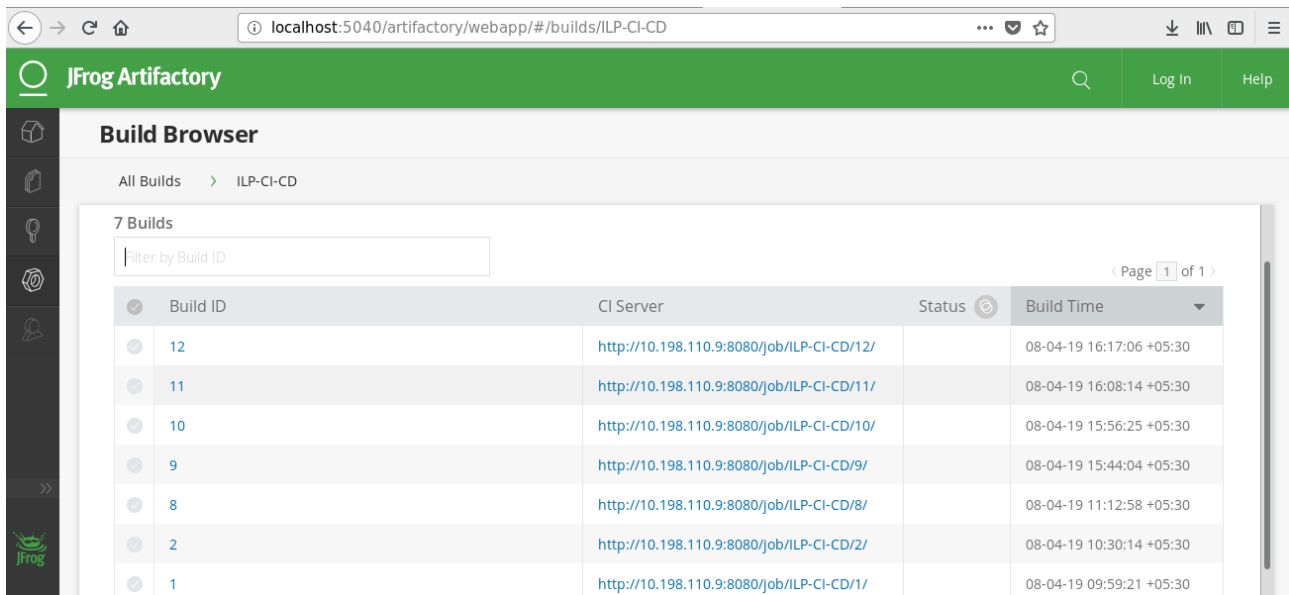
=====

#### 4.) Git Lab History

The screenshot displays the GitLab web interface for the project 'ILP-CI-CD'. The left sidebar shows the project structure with 'Commits' selected. The main content area lists the commit history for the 'master' branch. The commits are as follows:

Commit Message	Author	Time Ago	SHA-1	Actions
Updated pom.xml	RA384875	31 minutes ago	f0c5a720	View, Download
Updated pom.xml	RA384875	35 minutes ago	bfa22e1f	View, Download
Committed source	RA384875	39 minutes ago	2af6a58d	View, Download
Updated HelloWorldTest.java	RA384875	52 minutes ago	1f8ccb77	View, Download
Updated pom.xml	RA384875	1 hour ago	e3204ed0	View, Download
Updated pom.xml	RA384875	1 hour ago	22565717	View, Download

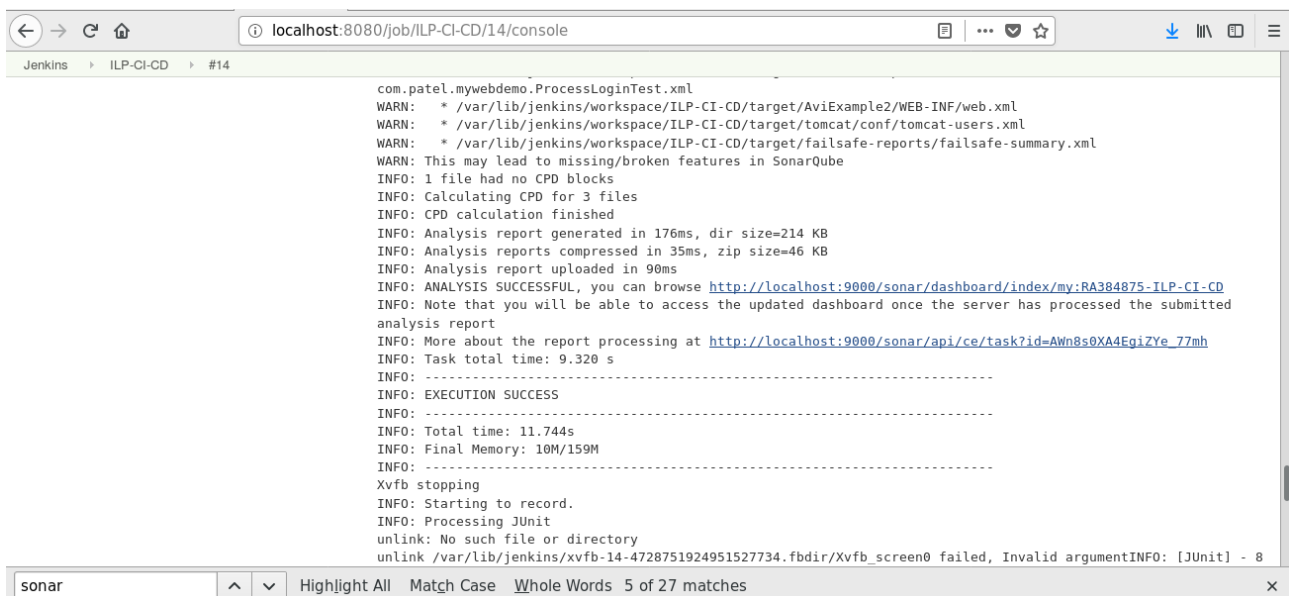
## 5)Jfrog-Artifactory:



The screenshot shows the Jfrog Artifactory web interface. The browser address bar displays `localhost:5040/artifactory/webapp/#/builds/ILP-CI-CD`. The page title is "Build Browser". Below the title, there is a breadcrumb navigation: "All Builds > ILP-CI-CD". A search bar labeled "Filter by Build ID" is present. The main content area displays a table of 7 builds. The table has columns: Build ID, CI Server, Status, and Build Time. The builds are listed in descending order of Build ID.

Build ID	CI Server	Status	Build Time
12	<a href="http://10.198.110.9:8080/job/ILP-CI-CD/12/">http://10.198.110.9:8080/job/ILP-CI-CD/12/</a>		08-04-19 16:17:06 +05:30
11	<a href="http://10.198.110.9:8080/job/ILP-CI-CD/11/">http://10.198.110.9:8080/job/ILP-CI-CD/11/</a>		08-04-19 16:08:14 +05:30
10	<a href="http://10.198.110.9:8080/job/ILP-CI-CD/10/">http://10.198.110.9:8080/job/ILP-CI-CD/10/</a>		08-04-19 15:56:25 +05:30
9	<a href="http://10.198.110.9:8080/job/ILP-CI-CD/9/">http://10.198.110.9:8080/job/ILP-CI-CD/9/</a>		08-04-19 15:44:04 +05:30
8	<a href="http://10.198.110.9:8080/job/ILP-CI-CD/8/">http://10.198.110.9:8080/job/ILP-CI-CD/8/</a>		08-04-19 11:12:58 +05:30
2	<a href="http://10.198.110.9:8080/job/ILP-CI-CD/2/">http://10.198.110.9:8080/job/ILP-CI-CD/2/</a>		08-04-19 10:30:14 +05:30
1	<a href="http://10.198.110.9:8080/job/ILP-CI-CD/1/">http://10.198.110.9:8080/job/ILP-CI-CD/1/</a>		08-04-19 09:59:21 +05:30

## 6) Sonar Code Reports:

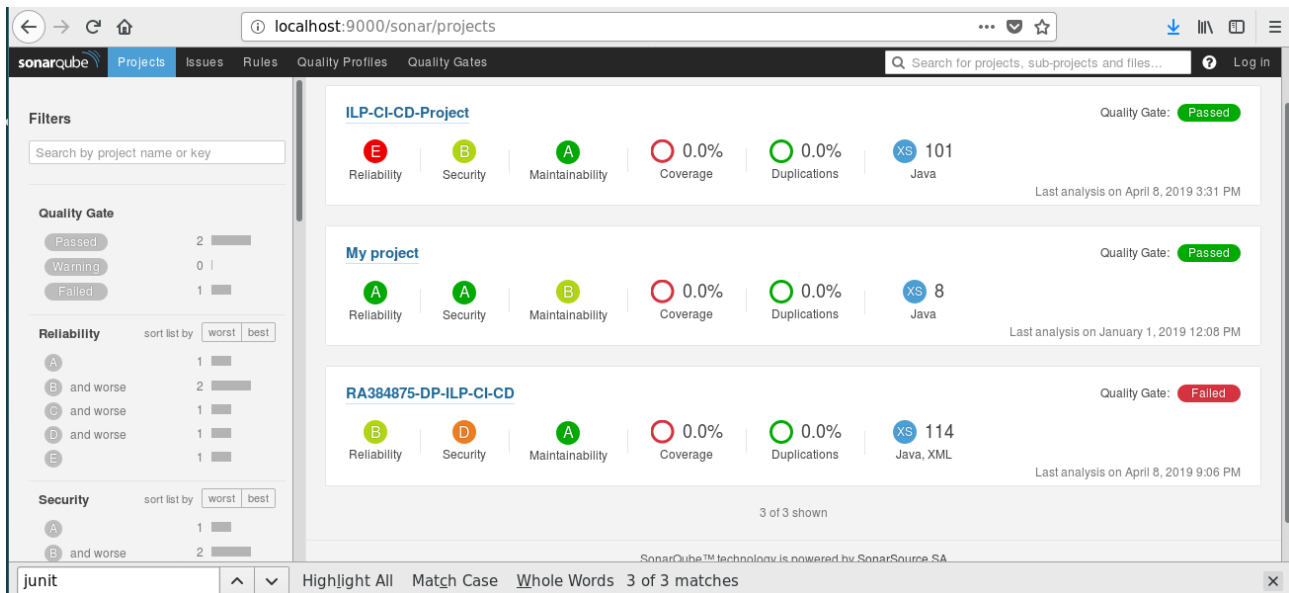


The screenshot shows the Jenkins console output for a build. The browser address bar displays `localhost:8080/job/ILP-CI-CD/14/console`. The console output shows the following information:

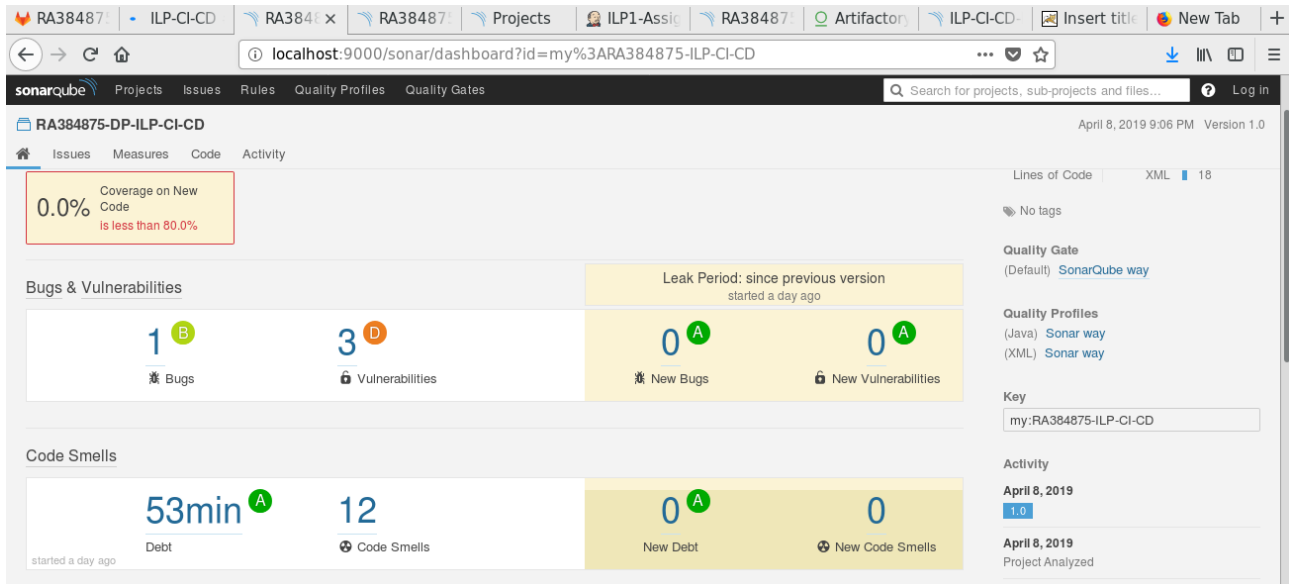
```
com.patel.mywebdemo.ProcessLoginTest.xml
WARN: * /var/lib/jenkins/workspace/ILP-CI-CD/target/AviExample2/WEB-INF/web.xml
WARN: * /var/lib/jenkins/workspace/ILP-CI-CD/target/tomcat/conf/tomcat-users.xml
WARN: * /var/lib/jenkins/workspace/ILP-CI-CD/target/failsafe-reports/failsafe-summary.xml
WARN: This may lead to missing/broken features in SonarQube
INFO: 1 file had no CPD blocks
INFO: Calculating CPD for 3 files
INFO: CPD calculation finished
INFO: Analysis report generated in 176ms, dir size=214 KB
INFO: Analysis reports compressed in 35ms, zip size=46 KB
INFO: Analysis report uploaded in 90ms
INFO: ANALYSIS SUCCESSFUL, you can browse http://localhost:9000/sonar/dashboard/index/my:RA384875-ILP-CI-CD
INFO: Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report
INFO: More about the report processing at http://localhost:9000/sonar/api/ce/task?id=AWn8s0XA4EgiZYe_77mh
INFO: Task total time: 9.320 s
INFO: -----
INFO: EXECUTION SUCCESS
INFO: -----
INFO: Total time: 11.744s
INFO: Final Memory: 10M/159M
INFO: -----
Xvfb stopping
INFO: Starting to record.
INFO: Processing JUnit
unlink: No such file or directory
unlink /var/lib/jenkins/xvfb-14-4728751924951527734.fbdir/Xvfb_screen0 failed, Invalid argumentINFO: [JUnit] - 8
```

At the bottom of the console, there is a search bar with the text "sonar" and a button "Highlight All". The search results show "5 of 27 matches".

## i) SonarQube Dashboard-I



## ii) SonarQube Dashboard-II



## 7) Unit Integration Test Reports:

localhost:8080/job/ILP-CI-CD/ws/target/site/surefire-report.html

Last Published: 2019-04-08 | Version: 0.0.15-SNAPSHOT

[Built by Maven](#)

### Surefire Report

#### Summary

[\[Summary\]](#) [\[Package List\]](#) [\[Test Cases\]](#)

Tests	Errors	Failures	Skipped	Success Rate	Time
3	0	0	0	100%	0.004

Note: failures are anticipated and checked for with assertions while errors are unanticipated.

#### Package List

[\[Summary\]](#) [\[Package List\]](#) [\[Test Cases\]](#)

## 8) i) Selenium Test Report From Jenkins:

localhost:8080/job/ILP-CI-CD/wipro.avi\$AviExample2/14/testReport/

### Jenkins

5

Jenkins > ILP-CI-CD > AviExample2 Maven Webapp > #14 > Test Results

[Back to Project](#)  
[Status](#)  
[Changes](#)  
[Console Output](#)  
[Edit Build Information](#)  
[History](#)  
[Executed Mojos](#)  
**[Test Result](#)**  
[See Fingerprints](#)  
[Redeploy Artifacts](#)  
[Previous Build](#)

#### Test Result

0 failures (±0)

4 tests (±0)  
Took 3.2 sec.  
[add description](#)

#### All Tests

Package	Duration	Fail (diff)	Skip (diff)	Pass (diff)	Total (diff)
<a href="#">com.demo</a>	2.6 sec	0	0	1	1
<a href="#">com.patel.mywebdemo</a>	35 ms	0	0	3	3

Page generated: Apr 8, 2019 5:38:21 PM IST [REST API](#) [Jenkins ver. 2.89.4](#)

sonar ^ v Highlight All Match Case Whole Words 5 of 27 matches

ii)

←

→

↺

🏠

localhost:8080/job/ILP-CI-CD/wipro.avi\$AviExample2/ws/target/failsafe-reports/com.demo

⋮

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☰

Test set: com.demo.HelloWorldTest

Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 3.216 sec - in com.demo.HelloWorldTest

iii) Test Trend

Jenkins > ILP-CI-CD >

ENABLE AUTO REFRESH

add description

Disable Project

Changes

Workspace

Build Now

Delete Maven project

Configure

Modules

Email Template Testing

Artifactory Build Info

SonarQube

Artifactory Build Info

SonarQube

Workspace

Recent Changes

Latest Test Result (no failures)

Latest Test Result (no failures)

Latest Test Result (no failures)

Build History

trend =

find

#16 Apr 8, 2019 9:04 PM Started by GitLab push by RA384875

#15 Apr 8, 2019 6:46 PM

#14 Apr 8, 2019 4:55 PM Started by GitLab push by RA384875

SonarQube Quality Gate

RA384875-DP-ILP-CI-CD ERROR

Test Result Trend

count

#1 #2 #8 #9 #10 #11 #12 #13 #14 #15 #16

(just show failures) enlarge

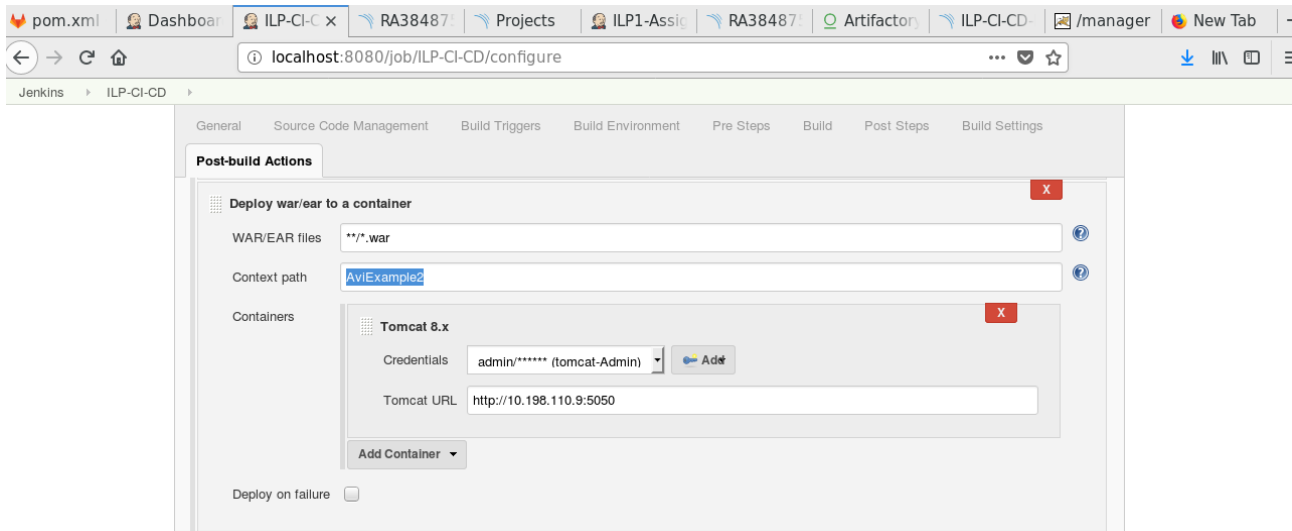
Test Result Trend

count

#1 #2 #8 #9 #10 #11 #12 #13 #14 #15 #16

(just show failures) enlarge

## 9) Tomcat Configuration:



## 10) Application Output:



**Thank you.**