Eclipse

SprinTry-Error - Spring_ci-cd/src/main/java/com/testAuth/SpringCiCdApplication.java - Spring Tool Suite 4

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer ✕

Spring_ci-cd [boot] [devtools]
  src/main/java
    com.testAuth
      SpringCiCdApplication.java
  src/main/resources
    static
    templates
    application.properties
  src/test/java
    com.testAuth
      SpringCiCdApplicationTests
  JRE System Library [JavaSE-11]
  Maven Dependencies
  target/generated-sources/annotat
  target/generated-test-sources/tes
  src
    main
    test
  target
    generated-sources
    generated-test-sources
    maven-archiver

SpringJenkinsApplicati...   SpringCiCdApplication.j...   ✕   dockerfile   application.properties   Spring_ci-cd/pom.xml   Out

```java
1  package com.testAuth;
2
3  import org.springframework.boot.SpringApplication;
4
5
6  @SpringBootApplication
7  @RestController
8  public class SpringCiCdApplication {
9
10 @GetMapping("/")
11     public String home() {
12         return"Welcome To Spring Boot CI-CD deployment";
13
14     }
15     public static void main(String[] args) {
16         SpringApplication.run(SpringCiCdApplication.class, args);
17     }
18
19 }
```

Boot Dashboard ✕

Type tags, projects, or working set names to

local

Javadoc   Declaration   Console ✕   Progress   Terminal

Spring_ci-cd - SpringCiCdApplication [Spring Boot App] C:\Users\Dell\Downloads\sts-4.10.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_15.0.2.v20

```
2021-09-18 18:43:43.431  INFO 9520 --- [  restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/]       : In
2021-09-18 18:43:43.432  INFO 9520 --- [  restartedMain] w.s.c.ServletWebServerApplicationContext : Ro
2021-09-18 18:43:43.819  INFO 9520 --- [  restartedMain] o.s.b.d.a.OptionalLiveReloadServer       : Li
2021-09-18 18:43:43.855  INFO 9520 --- [  restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer  : To
```

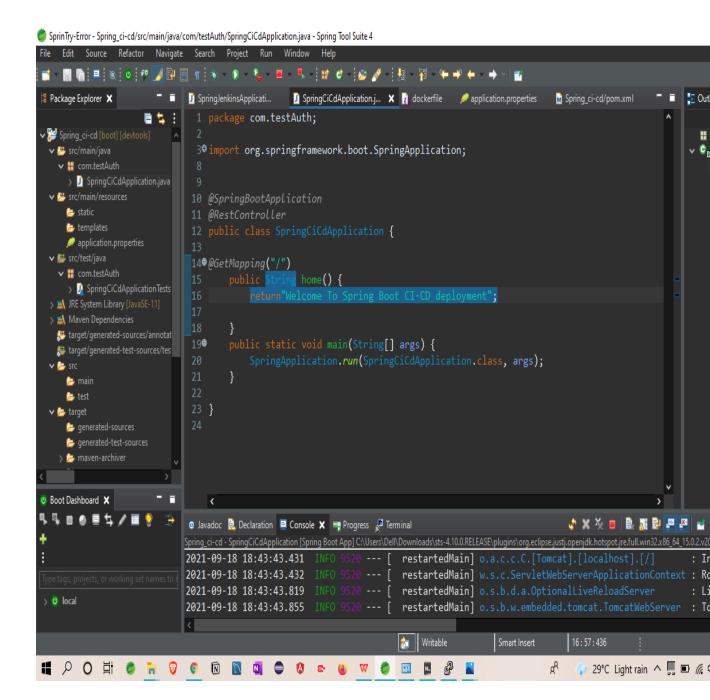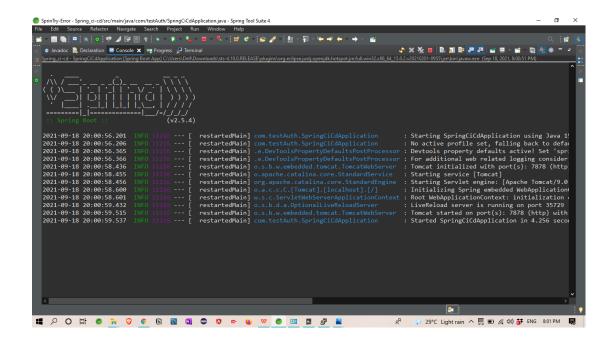Writable   Smart Insert   16 : 57 : 436

29°C Light rain

1. I create Simple Spring boot Application to

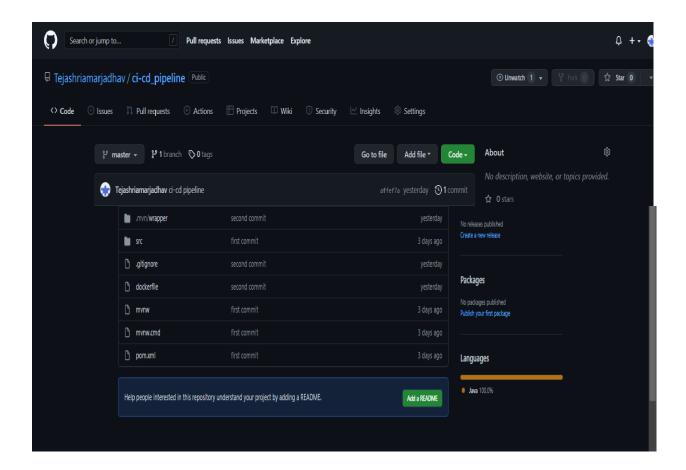**build a CI/CD pipeline to Demonstrate continuous deployment**

Output :-

Welcome To Spring Boot CI-CD deployment

Git Hub: Application Deploy on git Hub

2.Then that application Uploaded on Git Hub

GitHub link-

https://github.com/Tejashriamarjadhav/ci-cd_pipeline.git

Jenkins : Run Jenkins

```
webroot: $user.home/.jenkins
2021-09-16 06:35:47.677+0000 [id=1]     INFO    org.eclipse.jetty.util.log.Log#initialized: Logging initialized @2834ms to org.eclipse.jetty.util.log.JavaUtilLog
2021-09-16 06:35:47.930+0000 [id=1]     INFO    winstone.Logger#logInternal: Beginning extraction from war file
2021-09-16 06:35:48.006+0000 [id=1]     WARNING o.e.j.s.handler.ContextHandler#setContextPath: Empty contextPath
2021-09-16 06:35:48.175+0000 [id=1]     INFO    org.eclipse.jetty.server.Server#doStart: jetty-9.4.43.v20210629; built: 2021-06-30T11:07:22.254Z; git: 526006ecfa3af7f1a
7ef3a288e2bef7ea9dd7e8; jvm 11.0.12+8-LTS-237
2021-09-16 06:35:52.318+0000 [id=1]     INFO    o.e.j.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclipse.jetty.jsp.JettyJspServl
t
2021-09-16 06:35:52.572+0000 [id=1]     INFO    o.e.j.s.s.DefaultSessionIdManager#doStart: DefaultSessionIdManager workerName=node0
2021-09-16 06:35:52.573+0000 [id=1]     INFO    o.e.j.s.s.DefaultSessionIdManager#doStart: No SessionScavenger set, using defaults
2021-09-16 06:35:52.578+0000 [id=1]     INFO    o.e.j.server.session.HouseKeeper#startScavenging: node0 Scavenging every 600000ms
2021-09-16 06:35:54.899+0000 [id=1]     INFO    hudson.WebAppMain#contextInitialized: Jenkins home directory: C:\Users\Dell\.jenkins found at: $user.home/.jenkins
2021-09-16 06:35:55.778+0000 [id=1]     INFO    o.e.j.s.handler.ContextHandler#doStart: Started w.@d59970a(Jenkins v2.309,/,file:///C:/Users/Dell/.jenkins/war/,AVAILABL
E){C:\Users\Dell\.jenkins\war}
2021-09-16 06:35:55.930+0000 [id=1]     INFO    o.e.j.server.AbstractConnector#doStart: Started ServerConnector@385e9564{HTTP/1.1, (http/1.1)}{0.0.0.0:8998}
2021-09-16 06:35:55.933+0000 [id=1]     INFO    org.eclipse.jetty.server.Server#doStart: Started @11094ms
2021-09-16 06:35:55.939+0000 [id=25]    INFO    winstone.Logger#logInternal: Winstone Servlet Engine running: controlPort=disabled
2021-09-16 06:35:56.893+0000 [id=31]    INFO    jenkins.InitReactorRunner$1#onAttained: Started initialization
2021-09-16 06:36:03.742+0000 [id=30]    INFO    jenkins.InitReactorRunner$1#onAttained: Listed all plugins
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.google.inject.internal.cglib.core.$ReflectUtils$2 (file:/C:/Users/Dell/.jenkins/war/WEB-INF/lib/guice-4.0.jar) to method java.
lang.ClassLoader.defineClass(java.lang.String,byte[],int,int,java.security.ProtectionDomain)
WARNING: Please consider reporting this to the maintainers of com.google.inject.internal.cglib.core.$ReflectUtils$2
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
2021-09-16 06:36:18.998+0000 [id=32]    INFO    jenkins.InitReactorRunner$1#onAttained: Prepared all plugins
2021-09-16 06:36:19.080+0000 [id=37]    INFO    jenkins.InitReactorRunner$1#onAttained: Started all plugins
2021-09-16 06:36:23.300+0000 [id=34]    INFO    jenkins.InitReactorRunner$1#onAttained: Augmented all extensions
2021-09-16 06:36:23.599+0000 [id=36]    INFO    jenkins.InitReactorRunner$1#onAttained: System config loaded
2021-09-16 06:36:23.608+0000 [id=36]    INFO    jenkins.InitReactorRunner$1#onAttained: System config adapted
2021-09-16 06:36:23.971+0000 [id=35]    INFO    jenkins.InitReactorRunner$1#onAttained: Loaded all jobs
2021-09-16 06:36:23.972+0000 [id=30]    INFO    jenkins.InitReactorRunner$1#onAttained: Configuration for all jobs updated
2021-09-16 06:36:24.270+0000 [id=50]    INFO    hudson.model.AsyncPeriodicWork#lambda$doRun$0: Started Download metadata
2021-09-16 06:36:24.511+0000 [id=50]    INFO    hudson.model.AsyncPeriodicWork#lambda$doRun$0: Finished Download metadata. 238 ms
2021-09-16 06:36:24.573+0000 [id=37]    INFO    jenkins.InitReactorRunner$1#onAttained: Completed initialization
2021-09-16 06:36:24.652+0000 [id=24]    INFO    hudson.WebAppMain$3#run: Jenkins is fully up and running
```

CREATE THREE JENKINS PROJECT DEPLOYMENT:-

DEPLOYMENT-TESTING-PRODUCTION

Back to Dashboard
Status
Changes
Workspace
Build Now
Configure
Delete Maven project
Modules
Rename

Build History   trend

Filter builds...

#22   Dec 18, 2021 4:22 PM
#21   Dec 18, 2021 4:21 PM
#20   Dec 18, 2021 4:21 PM

Maven project Deployment SpringBoot Jenkins CI_CD

Add description

Disable Project

Test Result Trend
— Failed — Skipped — Passed

Workspace

Recent Changes

Latest Test Result (no failures)

Latest Test Result (no failures)

Permalinks

- Last build (#22), 14 hr ago
- Last stable build (#22), 14 hr ago
- Last successful build (#22), 14 hr ago
- Last completed build (#22), 14 hr ago

Back to Project
Status
Changes
Console Output
Edit Build Information
Delete build '#22'
Git Build Data
Test Result
Redeploy Artifacts
See Fingerprints
Previous Build

Build #22 (Dec 18, 2021 4:22:15 PM)

Keep this build forever

Add description

Started 14 hr ago
Took **16 sec**

No changes.

Started by user Tejashri amar jadhav

Revision: affef7af3fc4a25683607bb305bcb1dc175cc6fd
Repository: https://github.com/Tejashriamarjadhav/ci-cd_pipeline.git

- refs/remotes/origin/master

Test Result (no failures)

Module Builds

Spring_ci-cd (didn't run)
Spring_ci-cd   9.7 sec

REST API   Jenkins 2.319.1

Back to Project
Status
Changes
Console Output
    View as plain text
Edit Build Information
Delete build '#22'
Git Build Data
Test Result

Console Output

```
Started by user Tejashri amar jadhav
Running as SYSTEM
Building in workspace /home/tejashrijadhav3/.jenkins/workspace/Deployment SpringBoot Jenkins CI_CD
The recommended git tool is: NONE
No credentials specified
 > git rev-parse --resolve-git-dir /home/tejashrijadhav3/.jenkins/workspace/Deployment SpringBoot Jenkins CI_CD/.git # timeout=10
Fetching changes from the remote Git repository
 > git config remote.origin.url https://github.com/Tejashriamarjadhav/ci-cd_pipeline.git # timeout=10
Fetching upstream changes from https://github.com/Tejashriamarjadhav/ci-cd_pipeline.git
 > git --version # timeout=10
 > git --version # 'git version 2.27.0'
 > git fetch --tags --force --progress -- https://github.com/Tejashriamarjadhav/ci-cd_pipeline.git +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision affef7af3fc4a25683607bb305bcb1dc175cc6fd (refs/remotes/origin/master)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f affef7af3fc4a25683607bb305bcb1dc175cc6fd # timeout=10
```

```
      .   ____          _            __ _ _
     /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
    ( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
     \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
      '  |____| .__|_| |_|_| |_\__, | / / / /
     =========|_|==============|___/=/_/_/_/
     :: Spring Boot ::                (v2.5.4)

2021-09-17 18:30:05.460  INFO 11232 --- [           main] com.testAuth.SpringCiCdApplicationTests  : Starting SpringCiCdApplicationTests using Java
11.0.12 on DESKTOP-LBUFTMI with PID 11232 (started by Dell in C:\Users\Dell\.jenkins\workspace\Spring Jenkins ci-cd)
2021-09-17 18:30:05.469  INFO 11232 --- [           main] com.testAuth.SpringCiCdApplicationTests  : No active profile set, falling back to default
profiles: default
2021-09-17 18:30:12.461  INFO 11232 --- [           main] com.testAuth.SpringCiCdApplicationTests  : Started SpringCiCdApplicationTests in 8.356 seconds
(JVM running for 11.844)
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 11.093 s - in com.testAuth.SpringCiCdApplicationTests
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:resources (default-resources) @ Auth ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] Copying 1 resource
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ Auth ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to C:\Users\Dell\.jenkins\workspace\Spring Jenkins ci-cd\target\classes
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:testResources (default-testResources) @ Auth ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] skip non existing resourceDirectory C:\Users\Dell\.jenkins\workspace\Spring Jenkins ci-cd\src\test\resources
```

```
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] skip non existing resourceDirectory C:\Users\Dell\.jenkins\workspace\Spring Jenkins ci-cd\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @ Auth ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to C:\Users\Dell\.jenkins\workspace\Spring Jenkins ci-cd\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ Auth ---
[INFO] Skipping execution of surefire because it has already been run for this configuration
[INFO]
[INFO] --- maven-jar-plugin:3.2.0:jar (default-jar) @ Auth ---
[INFO] Building jar: C:\Users\Dell\.jenkins\workspace\Spring Jenkins ci-cd\target\Auth-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- spring-boot-maven-plugin:2.5.4:repackage (repackage) @ Auth ---
[INFO] Replacing main artifact with repackaged archive
[INFO]
[INFO] --- maven-install-plugin:2.5.2:install (default-install) @ Auth ---
[INFO] Installing C:\Users\Dell\.jenkins\workspace\Spring Jenkins ci-cd\target\Auth-0.0.1-SNAPSHOT.jar to C:\Users\Dell\.m2\repository\com\ci\cd-
dep\Auth\0.0.1-SNAPSHOT\Auth-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Users\Dell\.jenkins\workspace\Spring Jenkins ci-cd\pom.xml to C:\Users\Dell\.m2\repository\com\ci\cd-dep\Auth\0.0.1-SNAPSHOT\Auth-
0.0.1-SNAPSHOT.pom
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  39.186 s
[INFO] Finished at: 2021-09-17T18:30:19+05:30
[INFO] ------------------------------------------------------------------------
Triggering a new build of Testing Spring Jenkins
Finished: SUCCESS
```

TESTING

Jenkins

Search Tejashri amar jadhav log out

- Back to Project
- Status
- Changes
- **Console Output**
  - View as plain text
- Edit Build Information
- Delete build '#8'
- Git Build Data
- Previous Build

⊘ Console Output

```
Started by user Tejashri amar jadhav
Running as SYSTEM
Building in workspace /home/tejashrijadhav3/.jenkins/workspace/Testing Spring Jenkins
The recommended git tool is: NONE
No credentials specified
 > git rev-parse --resolve-git-dir /home/tejashrijadhav3/.jenkins/workspace/Testing Spring Jenkins/.git # timeout=10
Fetching changes from the remote Git repository
 > git config remote.origin.url https://github.com/Tejashriamarjadhav/ci-cd_pipeline.git # timeout=10
Fetching upstream changes from https://github.com/Tejashriamarjadhav/ci-cd_pipeline.git
 > git --version # timeout=10
 > git --version # 'git version 2.27.0'
 > git fetch --tags --force --progress -- https://github.com/Tejashriamarjadhav/ci-cd_pipeline.git +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision affef7af3fc4a25683607bb305bcb1dc175cc6fd (refs/remotes/origin/master)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f affef7af3fc4a25683607bb305bcb1dc175cc6fd # timeout=10
Commit message: "ci-cd pipeline"
 > git rev-list --no-walk affef7af3fc4a25683607bb305bcb1dc175cc6fd # timeout=10
```

```
18.38.45.729 [main] DEBUG org.springframework.test.context.support.TestPropertySourceUtils - Adding inlined properties to environment:
{spring.jmx.enabled=false, org.springframework.boot.test.context.SpringBootTestContextBootstrapper=true}


  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/
 :: Spring Boot ::                (v2.5.4)


2021-09-17 18:30:47.111  INFO 15660 --- [           main] com.testAuth.SpringCiCdApplicationTests  : Starting SpringCiCdApplicationTests using Java
11.0.12 on DESKTOP-LBUFTMI with PID 15660 (started by Dell in C:\Users\Dell\.jenkins\workspace\Testing Spring Jenkins)
2021-09-17 18:30:47.123  INFO 15660 --- [           main] com.testAuth.SpringCiCdApplicationTests  : No active profile set, falling back to default
profiles: default
2021-09-17 18:30:54.842  INFO 15660 --- [           main] com.testAuth.SpringCiCdApplicationTests  : Started SpringCiCdApplicationTests in 9.085 seconds
(JVM running for 12.535)
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 11.737 s - in com.testAuth.SpringCiCdApplicationTests
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:resources (default-resources) @ Auth ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] Copying 1 resource
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ Auth ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:resources (default-resources) @ Auth ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
```

```
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:testResources (default-testResources) @ Auth ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] skip non existing resourceDirectory C:\Users\Dell\.jenkins\workspace\Testing Spring Jenkins\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @ Auth ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ Auth ---
[INFO] Skipping execution of surefire because it has already been run for this configuration
[INFO]
[INFO] --- maven-jar-plugin:3.2.0:jar (default-jar) @ Auth ---
[INFO]
[INFO] --- spring-boot-maven-plugin:2.5.4:repackage (repackage) @ Auth ---
[INFO] Replacing main artifact with repackaged archive
[INFO]
[INFO] --- maven-install-plugin:2.5.2:install (default-install) @ Auth ---
[INFO] Installing C:\Users\Dell\.jenkins\workspace\Testing Spring Jenkins\target\Auth-0.0.1-SNAPSHOT.jar to C:\Users\Dell\.m2\repository\com\ci\cd-
dep\Auth\0.0.1-SNAPSHOT\Auth-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Users\Dell\.jenkins\workspace\Testing Spring Jenkins\pom.xml to C:\Users\Dell\.m2\repository\com\ci\cd-dep\Auth\0.0.1-SNAPSHOT\Auth-
0.0.1-SNAPSHOT.pom
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  28.837 s
[INFO] Finished at: 2021-09-17T18:31:02+05:30
[INFO] ------------------------------------------------------------------------
Triggering a new build of Production Spring Jenkins
Finished: SUCCESS
```

PRODUCTION

Back to Project

Status

Changes

Console Output

View as plain text

Edit Build Information

Delete build '#8'

Git Build Data

Previous Build

⊘ Console Output

Started by user **Tejashri amar jadhav**
Running as SYSTEM
Building in workspace /home/tejashrijadhav3/.jenkins/workspace/Production Spring Jenkins
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /home/tejashrijadhav3/.jenkins/workspace/Production Spring Jenkins/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Tejashriamarjadhav/ci-cd_pipeline.git # timeout=10
Fetching upstream changes from https://github.com/Tejashriamarjadhav/ci-cd_pipeline.git
> git --version # timeout=10
> git --version # 'git version 2.27.0'
> git fetch --tags --force --progress -- https://github.com/Tejashriamarjadhav/ci-cd_pipeline.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision affef7af3fc4a25683607bb305bcb1dc175cc6fd (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f affef7af3fc4a25683607bb305bcb1dc175cc6fd # timeout=10
Commit message: "ci-cd pipeline"

```
org.springframework.boot.test.autoconfigure.properties.PropertyMappingContextCustomizer@0,
org.springframework.boot.test.autoconfigure.web.servlet.WebDriverContextCustomizerFactory$Customizer@2e570ded,
org.springframework.boot.test.context.SpringBootTestArgs@1, org.springframework.boot.test.context.SpringBootTestWebEnvironment@22a637e7], resourceBasePath
= 'src/main/webapp', contextLoader = 'org.springframework.boot.test.context.SpringBootContextLoader', parent = [null]], attributes =
map['org.springframework.test.context.web.ServletTestExecutionListener.activateListener' -> true]], class annotated with @DirtiesContext [false] with mode
[null].
18:31:47.455 [main] DEBUG org.springframework.test.context.support.TestPropertySourceUtils - Adding inlined properties to environment:
{spring.jmx.enabled=false, org.springframework.boot.test.context.SpringBootTestContextBootstrapper=true}


  '  __   _            _ _
 /\\ / ___'_ _ _ _(_)_ _ _ _ \ \ \ \
( ( )\__ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/ __)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 ========|_|==============|___/=/_/_/_/
 :: Spring Boot ::              (v2.5.4)


2021-09-17 18:31:48.992  INFO 11884 --- [          main] com.testAuth.SpringCiCdApplicationTests  : Starting SpringCiCdApplicationTests using Java
11.0.12 on DESKTOP-LBUFTMI with PID 11884 (started by Dell in C:\Users\Dell\.jenkins\workspace\Production Spring Jenkins)
2021-09-17 18:31:49.002  INFO 11884 --- [          main] com.testAuth.SpringCiCdApplicationTests  : No active profile set, falling back to default
profiles: default
2021-09-17 18:31:58.462  INFO 11884 --- [          main] com.testAuth.SpringCiCdApplicationTests  : Started SpringCiCdApplicationTests in 10.985 seconds
(JVM running for 15.066)
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 13.803 s - in com.testAuth.SpringCiCdApplicationTests
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:resources (default-resources) @ Auth ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] Copying 1 resource
[INFO] Copying 0 resource
```

```
[INFO] --- maven-resources-plugin:3.2.0:testResources (default-testResources) @ Auth ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] skip non existing resourceDirectory C:\Users\Dell\.jenkins\workspace\Production Spring Jenkins\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @ Auth ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to C:\Users\Dell\.jenkins\workspace\Production Spring Jenkins\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ Auth ---
[INFO] Skipping execution of surefire because it has already been run for this configuration
[INFO]
[INFO] --- maven-jar-plugin:3.2.0:jar (default-jar) @ Auth ---
[INFO] Building jar: C:\Users\Dell\.jenkins\workspace\Production Spring Jenkins\target\Auth-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- spring-boot-maven-plugin:2.5.4:repackage (repackage) @ Auth ---
[INFO] Replacing main artifact with repackaged archive
[INFO]
[INFO] --- maven-install-plugin:2.5.2:install (default-install) @ Auth ---
[INFO] Installing C:\Users\Dell\.jenkins\workspace\Production Spring Jenkins\target\Auth-0.0.1-SNAPSHOT.jar to C:\Users\Dell\.m2\repository\com\ci\cd-
dep\Auth\0.0.1-SNAPSHOT\Auth-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Users\Dell\.jenkins\workspace\Production Spring Jenkins\pom.xml to C:\Users\Dell\.m2\repository\com\ci\cd-dep\Auth\0.0.1-
SNAPSHOT\Auth-0.0.1-SNAPSHOT.pom
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  43.734 s
[INFO] Finished at: 2021-09-17T18:32:05+05:30
[INFO] ------------------------------------------------------------------------
Finished: SUCCESS
```
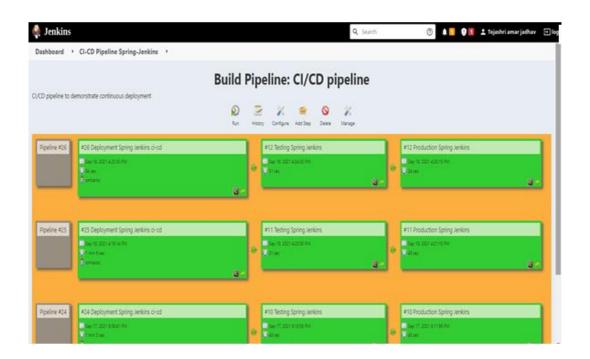
3) In Jenkins I create three build for continues deployment

And pipeline them

<mark>build a CI/CD pipeline to demonstrate continuous deployment</mark>
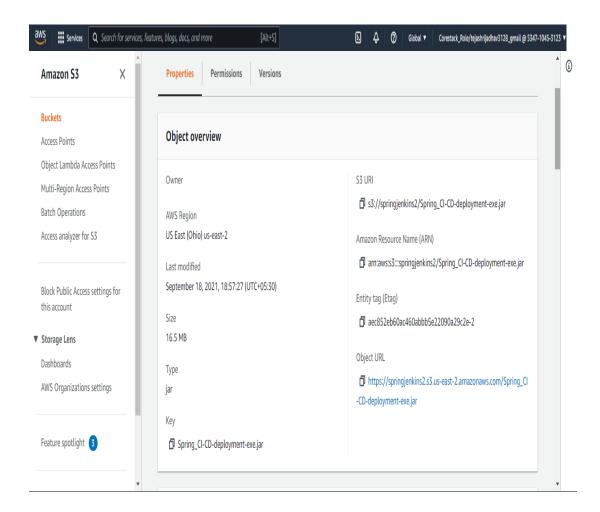
AWS EC2

1. First I create EC2 instance

2. Create Spring boot Application jar file

(Spring_CI-CD-deployment-exe.jar)

3. then its store in s3 bucket

4. then open command line and deploy Application in EC2 Instance


```
 Using username "ec2-user".
 Authenticating with public key "imported-openssh-key"
Last login: Sat Sep 18 11:15:24 2021 from ec2-18-206-107-25.compute-1.amazonaws.
com

     __|  __|_  )
     _|  (     /   Amazon Linux 2 AMI
     ___|\___|___|

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-19-181 ~]$
```



```
root@ip-172-31-19-181:~                                          -    □    ×
37  mono                   available   [ =5.x  =stable ]
38  nginx1                 available   [ =stable ]
39  ruby2.6                available   [ =2.6  =stable ]
40  mock                   available   [ =stable ]
41  postgresql11           available   [ =11  =stable ]
42  php7.4                 available   [ =stable ]
43  livepatch              available   [ =stable ]
44  python3.8              available   [ =stable ]
45  haproxy2               available   [ =stable ]
46  collectd               available   [ =stable ]
47  aws-nitro-enclaves-cli available   [ =stable ]
48  R4                     available   [ =stable ]
49  kernel-5.4             available   [ =stable ]
50  selinux-ng             available   [ =stable ]
51  php8.0                 available   [ =stable ]
52  tomcat9                available   [ =stable ]
53  unbound1.13            available   [ =stable ]
54  mariadb10.5            available   [ =stable ]
55  kernel-5.10            available   [ =stable ]
56  redis6                 available   [ =stable ]
57  ruby3.0                available   [ =stable ]
58  postgresql12           available   [ =stable ]
59  postgresql13           available   [ =stable ]
60  mock2                  available   [ =stable ]
61  dnsmasq2.85            available   [ =stable ]
[root@ip-172-31-19-181 ~]# java -version
openjdk version "11.0.12" 2021-07-20 LTS
OpenJDK Runtime Environment 18.9 (build 11.0.12+7-LTS)
OpenJDK 64-Bit Server VM 18.9 (build 11.0.12+7-LTS, mixed mode, sharing)
[root@ip-172-31-19-181 ~]# alternative --config java
-bash: alternative: command not found
[root@ip-172-31-19-181 ~]# wget https://springjenkins2.s3.us-east-2.amazonaws.com/Spring_CI-CD-deployment-exe.jar
--2021-09-18 13:29:54--  https://springjenkins2.s3.us-east-2.amazonaws.com/Spring_CI-CD-deployment-exe.jar
Resolving springjenkins2.s3.us-east-2.amazonaws.com (springjenkins2.s3.us-east-2.amazonaws.com)... 52.219.96.104
Connecting to springjenkins2.s3.us-east-2.amazonaws.com (springjenkins2.s3.us-east-2.amazonaws.com)|52.219.96.104|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 17344872 (17M) [application/x-www-form-urlencoded]
Saving to: 'Spring_CI-CD-deployment-exe.jar'

100%[===================================================================>] 17,344,872  19.9MB/s   in 0.8s

2021-09-18 13:29:55 (19.9 MB/s) - 'Spring_CI-CD-deployment-exe.jar' saved [17344872/17344872]

[root@ip-172-31-19-181 ~]$
```

5. Application Started running with Port no 7878

6.Last **host the application on AWS EC2 instance.**

Application running with this URL:-

<mark>ec2-18-221-78-17.us-east-2.compute.amazonaws.com:7878/</mark>

<mark>Final Output:-</mark>

Welcome To Spring Boot CI-CD deployment