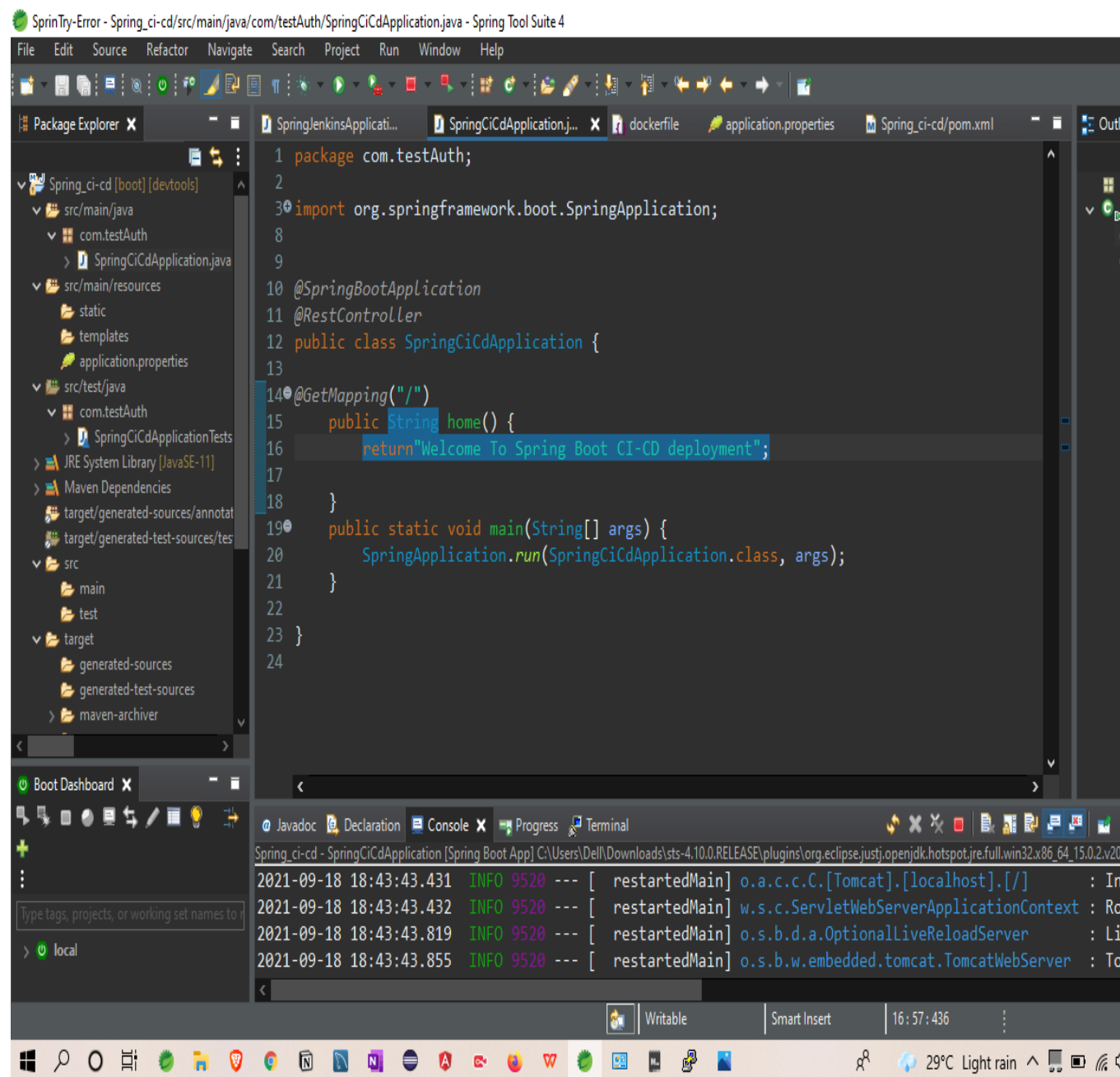
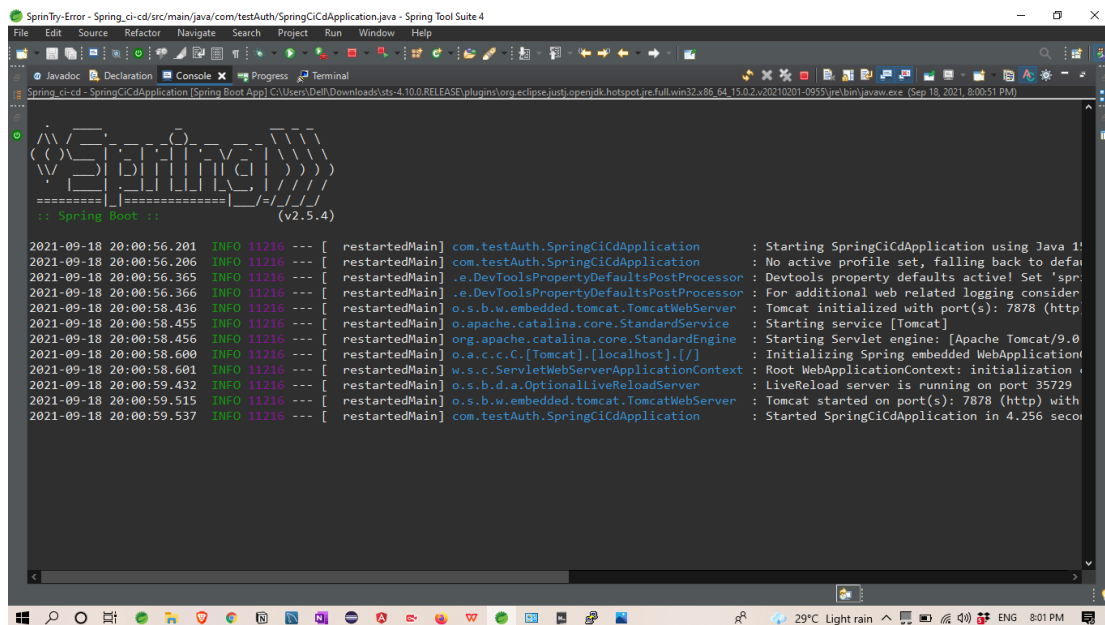


Eclipse



1.

I create Simple Spring boot Application to
build a CI/CD pipeline to demonstrate continuous
deployment



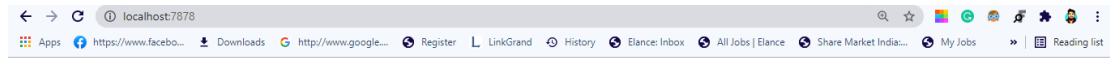
The screenshot shows an IDE window titled "SpringToolSuite4" with a terminal output. The terminal displays the Spring Boot logo and version (v2.5.4). The output shows the application starting successfully, with various components like Tomcat and Spring Boot initialized. The application is running on port 8080.

```
SpringToolSuite4
File Edit Source Refactor Navigate Search Project Run Window Help
SpringToolSuite4 - SpringCiCdApplication [Spring Boot App] C:\Users\Defl\Downloads\sts-4.10.0.RELEASE\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_15.0.2.v20210201-0955\jre\bin\java.exe (Sep 18, 2021, 8:00:31 PM)

:: Spring Boot ::
(v2.5.4)

2021-09-18 20:00:56.201 INFO 11216 --- [ restartedMain] com.testAuth.SpringCiCdApplication : Starting SpringCiCdApplication using Java 1!
2021-09-18 20:00:56.206 INFO 11216 --- [ restartedMain] com.testAuth.SpringCiCdApplication : No active profile set, falling back to default
2021-09-18 20:00:56.365 INFO 11216 --- [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : Devtools property defaults active! Set 'spring.devtools.restart.enabled' to 'true'
2021-09-18 20:00:56.366 INFO 11216 --- [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider
2021-09-18 20:00:58.436 INFO 11216 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 7878 (http)
2021-09-18 20:00:58.455 INFO 11216 --- [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2021-09-18 20:00:58.456 INFO 11216 --- [ restartedMain] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.45]
2021-09-18 20:00:58.600 INFO 11216 --- [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2021-09-18 20:00:58.601 INFO 11216 --- [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed
2021-09-18 20:00:59.432 INFO 11216 --- [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729
2021-09-18 20:00:59.515 INFO 11216 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 7878 (http) with
2021-09-18 20:00:59.537 INFO 11216 --- [ restartedMain] com.testAuth.SpringCiCdApplication : Started SpringCiCdApplication in 4.256 seconds
```

Output :-



Welcome To Spring Boot CI-CD deployment

Git Hub: Application Deploy on git Hub

The screenshot shows the GitHub interface for the repository 'omkaroc27 / ci_cd_pipeline'. The repository is public and has 1 watch, 0 stars, and 0 forks. The main branch is 'master', which is 1 commit ahead of the main branch. The repository contains several files and folders, including '.mvn/wrapper', 'src', '.gitignore', 'dockerfile', 'mvnw', 'mvnw.cmd', and 'pom.xml'. The 'About' section is empty, and the 'Releases' and 'Packages' sections show no published content. The 'Languages' section shows that the repository is 100% Java.

Search or jump to... Pull requests Issues Marketplace Explore

omkaroc27 / ci_cd_pipeline Public

Unwatch 1 Star 0 Fork 0

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 2 branches 0 tags

Go to file Add file Code

About

This branch is 1 commit ahead of main. Contribute

omkaroc27 second commit 1886997 yesterday 2 commits

.mvn/wrapper	second commit	yesterday
src	first commit	3 days ago
.gitignore	second commit	yesterday
dockerfile	second commit	yesterday
mvnw	first commit	3 days ago
mvnw.cmd	first commit	3 days ago
pom.xml	first commit	3 days ago

Help people interested in this repository understand your project by adding a README. Add a README

Releases

No releases published
[Create a new release](#)

Packages

No packages published
[Publish your first package](#)

Languages

Java 100.0%

2.

Then that application Uploaded on Git Hub

GitHub link-

https://github.com/sarahyasmeen/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: 526006ecfa3af7fia
2021-09-16 06:35:48.318*0000 [id=1] INFO o.e.j.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclipse.jetty.jsp.JettyJspServlet
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.0d59970a(Jenkins v2.309,/,file:///C:/Users/Dell/.jenkins/war/,AVAILABLE)
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)<0.0.0:8998>)
2021-09-16 06:35:55.933*0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: Started @1094ms
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 06:36:19.000*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

Search

?

1

2

log out

Dashboard

New Item

People

Build History

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views

Lockable Resources

New View

Build Queue

No builds in the queue.

Build Executor Status

1 idle

Hello I Am OC

Edit description

All

CI-CD Pipeline Spring-Jenkins

+

S	W	Name	Last Success	Last Failure	Last Duration
		Deployment Spring Jenkins ci-cd	1 hr 32 min - #22	N/A	58 sec
		Production Spring Jenkins	1 hr 30 min - #8	N/A	54 sec
		Testing Spring Jenkins	1 hr 31 min - #8	N/A	37 sec


Icon: S M L

Icon legend







Atom feed for all

Atom feed for failures

Atom feed for just latest builds

 Jenkins

Search



log out

DashboardDeployment Spring Jenkins ci-cd

Back to Dashboard

Status

Changes

Workspace

Build Now

Configure

Delete Project

GitHub

Rename

Build Historytrend

find

#22Sep 17, 2021, 6:29 PM

#21Sep 17, 2021, 6:27 PM

#20Sep 17, 2021, 6:10 PM

Project Deployment Spring Jenkins ci-cd

Add description

Disable Project

Workspace


Recent Changes

Downstream Projects







Testing Spring Jenkins

Permalinks

- Last build (#22), 1 hr 33 min ago
- Last stable build (#22), 1 hr 33 min ago
- Last successful build (#22), 1 hr 33 min ago
- Last completed build (#22), 1 hr 33 min ago

 Jenkins

Search



log out

DashboardDeployment Spring Jenkins ci-cd#22

Back to Project

Status

Changes

Console Output

Edit Build Information

Delete build '#22'

Git Build Data

Previous Build

Build #22 (Sep 17, 2021, 6:29:21 PM)

Keep this build forever

Add description

Started 1 hr 33 min ago
Took 58 sec

No changes.

Started by user onkar.rajendra.charate

git


Revision: 18869974fe92467de259868964740b9c3befb433



Repository: https://github.com/omkaroc27/ci_cd_pipeline.git


refs/remotes/origin/master


```
[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\De11\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\De11\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\De11\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\De11\jenkins\workspace\Spring Jenkins ci-cd\target\Auth-0.0.1-SNAPSHOT.jar to C:\Users\De11\.m2\repository\com\ci\cd-dep\Auth\0.0.1-SNAPSHOT\Auth-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Users\De11\jenkins\workspace\Spring Jenkins ci-cd\pom.xml to C:\Users\De11\.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

 1 2

 log out

Dashboard > Testing Spring Jenkins >

Back to Dashboard

Status

Changes

Workspace

Build Now

Configure

Delete Project

GitHub

Rename

Build History

trend ^

#8

Sep 17, 2021, 6:30 PM

#7


Sep 17, 2021, 6:28 PM


#6

Sep 17, 2021, 6:11 PM


Project Testing Spring Jenkins

testing Environment


 Workspace

 Recent Changes

Upstream Projects

 Deployment Spring Jenkins ci-cd

Downstream Projects


 Production Spring Jenkins



Permalinks


- Last build (#8), 1 hr 32 min ago
- Last stable build (#8), 1 hr 32 min ago
- Last successful build (#8), 1 hr 32 min ago
- Last completed build (#8), 1 hr 32 min ago

Edit description

Disable Project

 Jenkins

 1 2

 log out

Dashboard > Testing Spring Jenkins > #8

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 upstream project "Spring Jenkins ci-cd" build number 22
originally caused by:
Started by user onkar rajendra charate
Running as SYSTEM
Building in workspace C:\Users\De11\.jenkins\workspace\Testing Spring Jenkins
The recommended git tool is: NONE
using credential Onkaroc27
> C:\Program Files\Git\cmd\git.exe rev-parse --resolve-git-dir C:\Users\De11\.jenkins\workspace\Testing Spring Jenkins\git # timeout=10
Fetching changes from the remote Git repository
> C:\Program Files\Git\cmd\git.exe config remote.origin.url https://github.com/onkaroc27/ci_cd_pipeline.git # timeout=10
Fetching upstream changes from https://github.com/onkaroc27/ci_cd_pipeline.git
> C:\Program Files\Git\cmd\git.exe --version # timeout=10
> git --version # 'git version 2.33.0.windows.2'
using GIT_ASKPASS to set credentials
> C:\Program Files\Git\cmd\git.exe fetch --tags --progress -- https://github.com/onkaroc27/ci_cd_pipeline.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> C:\Program Files\Git\cmd\git.exe rev-parse "refs/remotes/origin/master:{commit}" # timeout=10
Checking out Revision 18869974fe92467de259868964740b9c3befb433 (refs/remotes/origin/master)
> C:\Program Files\Git\cmd\git.exe config core.sparsecheckout # timeout=10
> C:\Program Files\Git\cmd\git.exe checkout -f 18869974fe92467de259868964740b9c3befb433 # timeout=10
Commit message: "second commit"
> C:\Program Files\Git\cmd\git.exe rev-list --no-walk 18869974fe92467de259868964740b9c3befb433 # timeout=10
[Testing Spring Jenkins] \$ cmd.exe /C "C:\Users\De11\.jenkins\tools\hudson.tasks.Maven\mavenInstallation\maven3\bin\mvn.cmd test compile install && exit %ERRORLEVEL%"
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.ci.cd-dep:Auth >-----
[INFO] Building Spring ci-cd 0.0.1-SNAPSHOT


```
[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\De11\.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\De11\.jenkins\workspace\Testing Spring Jenkins\target\Auth-0.0.1-SNAPSHOT.jar to C:\Users\De11\.m2\repository\com\ci\cd-dep\Auth\0.0.1-SNAPSHOT\Auth-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Users\De11\.jenkins\workspace\Testing Spring Jenkins\pom.xml to C:\Users\De11\.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

Search

log out

Dashboard

Production Spring Jenkins

Back to Dashboard

Status

Changes

Workspace

Build Now

Configure

Delete Project

GitHub

Rename

Build History

trend

find

#8

Sep 17, 2021, 6:31 PM

#7

Sep 17, 2021, 6:28 PM

#6

Sep 17, 2021, 6:02 PM

Project Production Spring Jenkins

production environment

Edit description

Disable Project

Workspace

Recent Changes

Upstream Projects

Testing Spring Jenkins

Permalinks

Last build (#8), 1 hr 35 min ago

Last stable build (#8), 1 hr 35 min ago

Last successful build (#8), 1 hr 35 min ago

Last completed build (#8), 1 hr 35 min ago

Search

log out

Dashboard

Production Spring Jenkins

#8

Back to Project

Status

Changes

Console Output

Edit Build Information

Delete build '#8'

Git Build Data

Previous Build

Build #8 (Sep 17, 2021, 6:31:12 PM)

Keep this build forever

Add description

Started 1 hr 35 min ago

Took 54 sec

No changes.

Started by upstream project [Testing Spring Jenkins](#) build number 8 originally caused by:

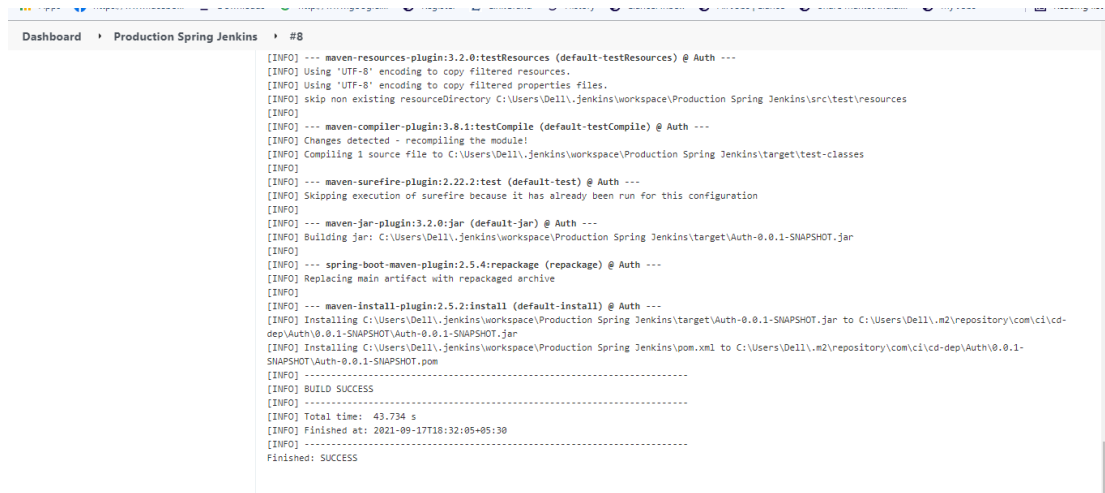
- Started by upstream project "Spring Jenkins ci-cd" build number 22 originally caused by:
 - Started by user [onkar rajendra charate](#)

git

Revision: 18869974fe92467de259868964740b9c3befb433

Repository: https://github.com/omkaroc27/ci_cd_pipeline.git

- refs/remotes/origin/master



The screenshot shows a Jenkins console output for a build named 'Production Spring Jenkins' with ID '#8'. The output is a log of Maven commands and their results, indicating a successful build. The log includes information about resource filtering, compilation, skipping of surefire tests, jar building, repackaging, and installation into the local repository. The build concludes with a 'BUILD SUCCESS' message and a total time of 43.734 seconds.

```
[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\De11\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\De11\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\De11\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\De11\jenkins\workspace\Production Spring Jenkins\target\Auth-0.0.1-SNAPSHOT.jar to C:\Users\De11\.m2\repository\com\ci\cd-dep\Auth\0.0.1-SNAPSHOT\Auth-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Users\De11\jenkins\workspace\Production Spring Jenkins\pom.xml to C:\Users\De11\.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

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 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 mongo 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 ~#
```

```
root@ip-172-31-19-181:~
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: 19344872 (19M) [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 ~]# ls
Spring_CI-CD-deployment-exe.jar
[root@ip-172-31-19-181 ~]# java -jar ^C
[root@ip-172-31-19-181 ~]# java -jar ^C
[root@ip-172-31-19-181 ~]# Spring_CI-CD-deployment-exe.jar
-bash: Spring_CI-CD-deployment-exe.jar: command not found
[root@ip-172-31-19-181 ~]# java -jar Spring_CI-CD-deployment-exe.jar

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:: Spring Boot :: (v2.5.4)

2021-09-18 13:31:10.411 INFO 1527 --- [main] com.testAuth.SpringCiCdApplication : Starting SpringCiCdApplication v0.0.1-SNAPSHOT using Java 11.0.12 on
ip-172-31-19-181.ec2.internal with PID 1527 (/root/Spring_CI-CD-deployment-exe.jar started by root in /root)
2021-09-18 13:31:10.414 INFO 1527 --- [main] com.testAuth.SpringCiCdApplication : No active profile set, falling back to default profiles: default
2021-09-18 13:31:13.072 INFO 1527 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 7878 (http)
2021-09-18 13:31:13.102 INFO 1527 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2021-09-18 13:31:13.107 INFO 1527 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.52]
2021-09-18 13:31:13.270 INFO 1527 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2021-09-18 13:31:13.271 INFO 1527 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2688 ms
2021-09-18 13:31:14.735 INFO 1527 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 7878 (http) with context path ''
2021-09-18 13:31:14.757 INFO 1527 --- [main] com.testAuth.SpringCiCdApplication : Started SpringCiCdApplication in 5.637 seconds (JVM running for 6.70
5)
```

5. Application Started running with Port no 7878

```
[root@ip-172-31-19-181 ~]# ls
Spring_CI-CD-deployment-exe.jar
[root@ip-172-31-19-181 ~]# java -jar ^C
[root@ip-172-31-19-181 ~]# java -jar ^C
[root@ip-172-31-19-181 ~]# Spring_CI-CD-deployment-exe.jar
-bash: Spring_CI-CD-deployment-exe.jar: command not found
[root@ip-172-31-19-181 ~]# java -jar Spring_CI-CD-deployment-exe.jar

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:: Spring Boot :: (v2.5.4)

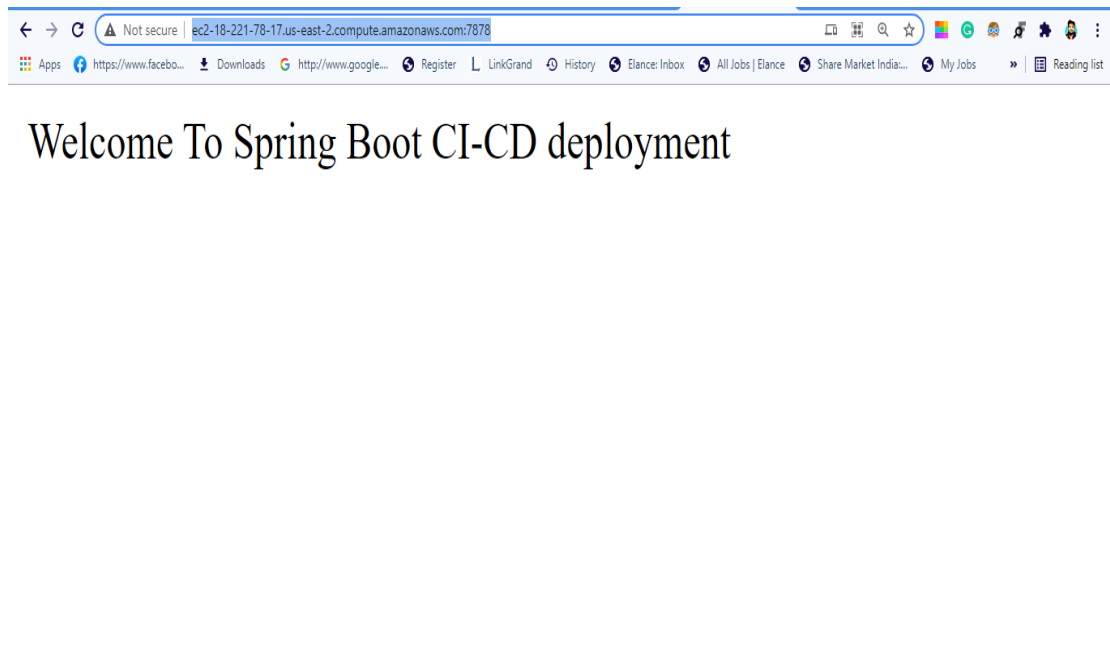
2021-09-18 13:31:10.411 INFO 1527 --- [main] com.testAuth.SpringCiCdApplication : Starting SpringCiCdApplication v0.0.1-SNAPSHOT using Java 11.0.12 on
ip-172-31-19-181.ec2.internal with PID 1527 (/root/Spring_CI-CD-deployment-exe.jar started by root in /root)
2021-09-18 13:31:10.414 INFO 1527 --- [main] com.testAuth.SpringCiCdApplication : No active profile set, falling back to default profiles: default
2021-09-18 13:31:13.072 INFO 1527 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 7878 (http)
2021-09-18 13:31:13.102 INFO 1527 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2021-09-18 13:31:13.107 INFO 1527 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.52]
2021-09-18 13:31:13.270 INFO 1527 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2021-09-18 13:31:13.271 INFO 1527 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2688 ms
2021-09-18 13:31:14.735 INFO 1527 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 7878 (http) with context path ''
2021-09-18 13:31:14.757 INFO 1527 --- [main] com.testAuth.SpringCiCdApplication : Started SpringCiCdApplication in 5.637 seconds (JVM running for 6.70
5)
```

6.Last host the application on AWS EC2 instance.

Application running with this URL:-

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

Final Output:-



With this AWS Hosted URL

