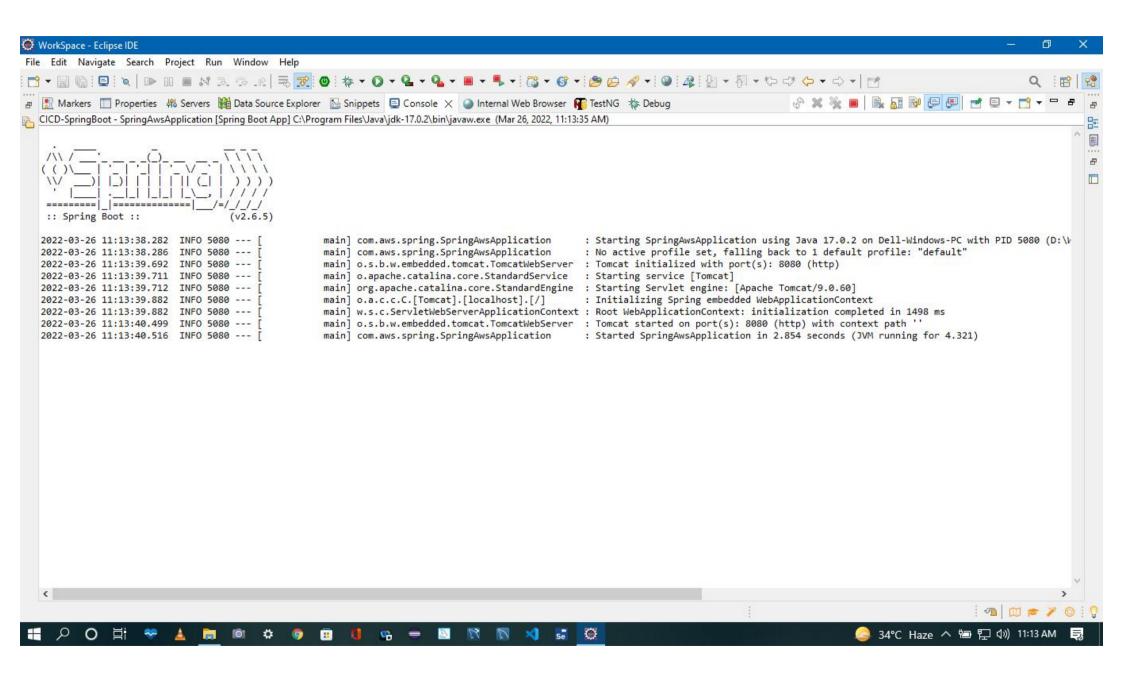
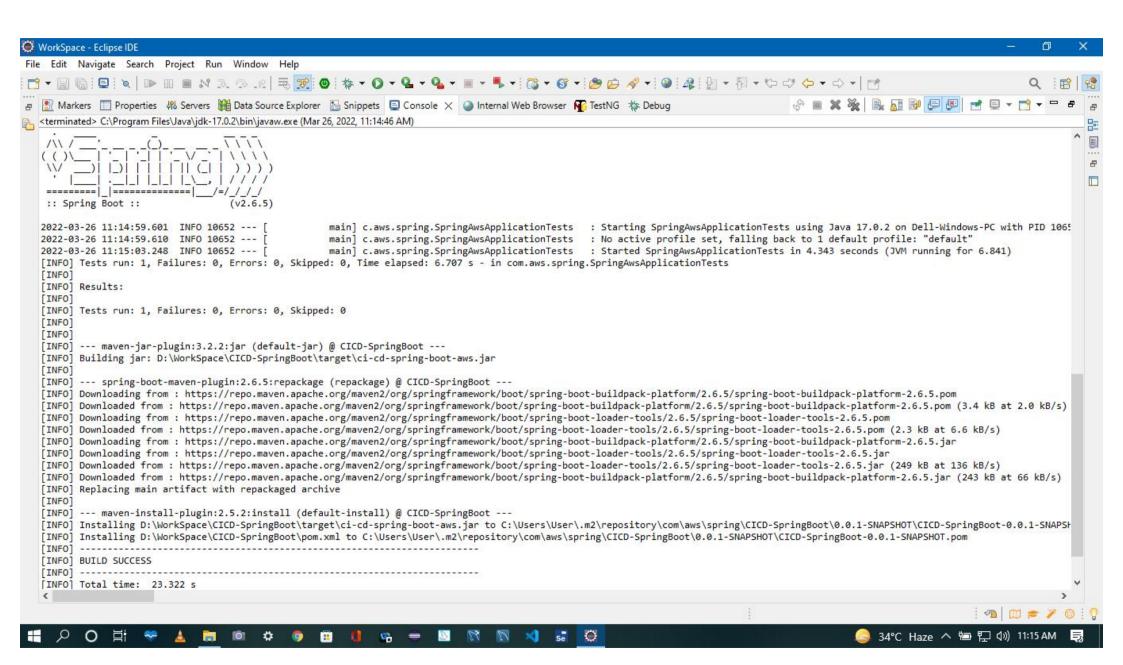
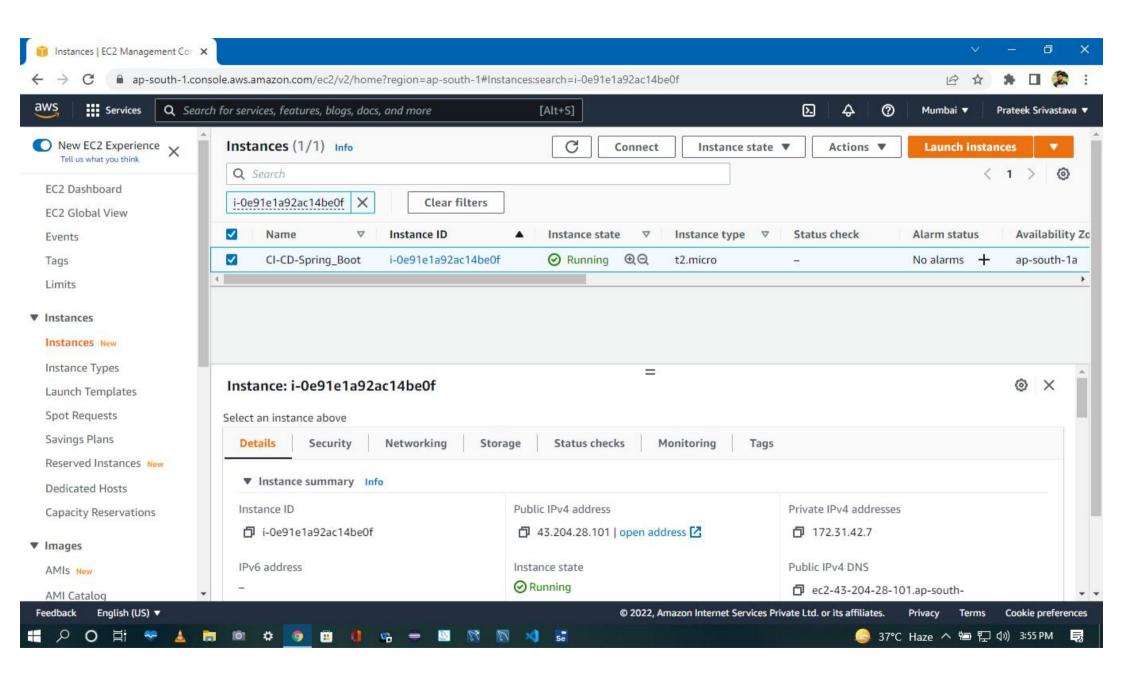


## CI/CD Deployment For Spring Boot Application









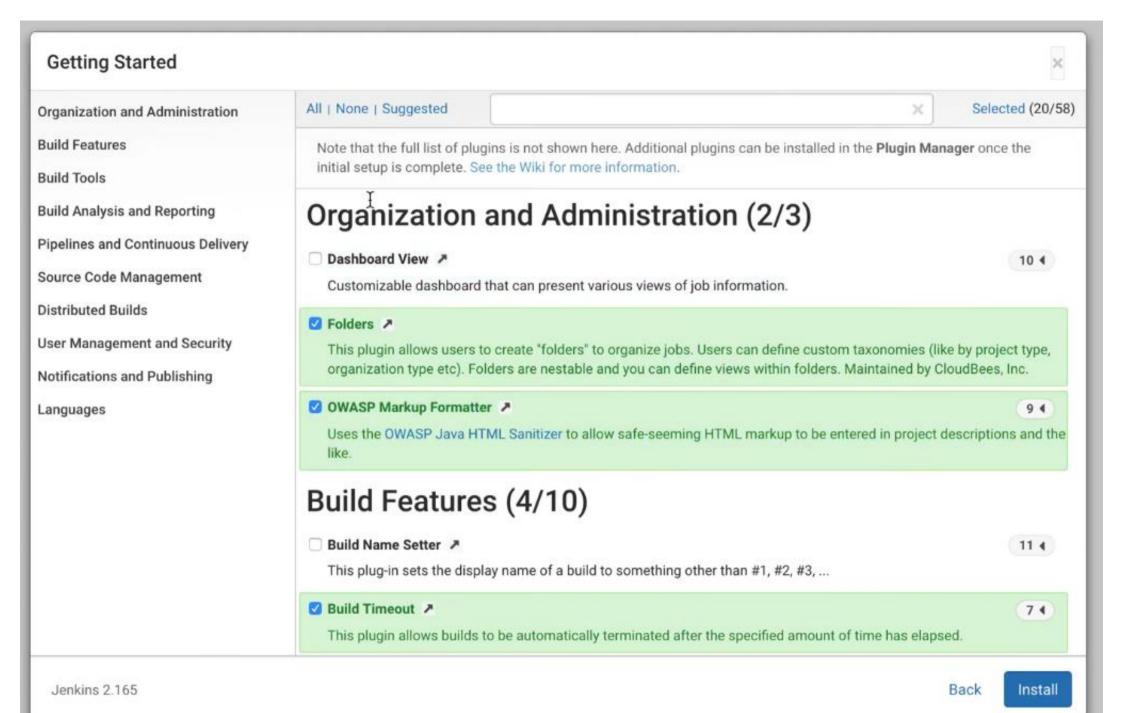
```
root@ip-172-31-42-7:~
   Using username "ec2-user".
  Authenticating with public key "imported-openssh-key"
                     Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-42-7 ~1$ sudo -i
[root@ip-172-31-42-7 ~] # vum install java-1.8.0-openjdk
Loaded plugins: extras suggestions, langpacks, priorities, update-motd
amzn2-core
                                                                                                                                                  | 3.7 kB 00:00:00
Resolving Dependencies
--> Running transaction check
---> Package java-1.8.0-openjdk.x86 64 1:1.8.0.312.b07-1.amzn2.0.2 will be installed
--> Processing Dependency: java-1.8.0-openjdk-headless(x86-64) = 1:1.8.0.312.b07-1.amzn2.0.2 for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: xorg-x11-fonts-Typel for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libjvm.so(SUNWprivate 1.1)(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libjava.so(SUNWprivate 1.1)(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libasound.so.2(ALSA 0.9.0rc4)(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libasound.so.2(ALSA 0.9)(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libXcomposite(x86-64) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: gtk2(x86-64) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: fontconfig(x86-64) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libjvm.so()(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libjava.so()(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libgif.so.4()(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libasound.so.2()(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libXtst.so.6()(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libXrender.so.1()(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libXi.so.6()(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libXext.so.6()(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Processing Dependency: libXll.so.6()(64bit) for package: 1:java-1.8.0-openjdk-1.8.0.312.b07-1.amzn2.0.2.x86 64
--> Running transaction check
---> Package alsa-lib.x86 64 0:1.1.4.1-2.amzn2 will be installed
---> Package fontconfig.x86 64 0:2.13.0-4.3.amzn2 will be installed
--> Processing Dependency: fontpackages-filesystem for package: fontconfig-2.13.0-4.3.amzn2.x86 64
--> Processing Dependency: dejavu-sans-fonts for package: fontconfig-2.13.0-4.3.amzn2.x86 64
---> Package giflib.x86 64 0:4.1.6-9.amzn2.0.2 will be installed
--> Processing Dependency: libSM.so.6()(64bit) for package: giflib-4.1.6-9.amzn2.0.2.x86 64
--> Processing Dependency: libICE.so.6()(64bit) for package: giflib-4.1.6-9.amzn2.0.2.x86 64
---> Package gtk2.x86 64 0:2.24.31-1.amzn2.0.2 will be installed
--> Processing Dependency: pango >= 1.20.0-1 for package: gtk2-2.24.31-1.amzn2.0.2.x86 64
--> Processing Dependency: libXrandr >= 1.2.99.4-2 for package: gtk2-2.24.31-1.amzn2.0.2.x86 64
```

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```
[ec2-user@ip-172-31-73-19 ~]$
[[ec2-user@ip-172-31-73-19 ~]$ sudo yum install jenkins
Failed to set locale, defaulting to C
Loaded plugins: priorities, update-motd, upgrade-helper
amzn-main
                                                             2.1 kB 00:00:00
                                                                     00:00:00
amzn-updates
Resolving Dependencies
--> Running transaction check
---> Package jenkins.noarch 0:2.165-1.1 will be installed
--> Finished Dependency Resolution
Dependencies Resolved
                                     Version
 Package
                                                          Repository
Installing:
                              2.165-1.1
jenkins
                                                         jenkins
          noarch
                                                                             73 M
Transaction Summary
Install 1 Package
Total download size: 73 M
Installed size: 74 M
Is this ok [y/d/N]: y
Downloading packages:
jenkins-2.165-1.1.noarch.rp 98% [===========] 7.6 MB/s | 72 MB
                                                                     00:00:00
```

```
Version
 Package
                    Arch
                                                             Repository
                                                                                 Size
Installing:
 jenkins
                                       2.165 - 1.1
                                                             jenkins
                    noarch
                                                                                 73 M
Transaction Summary
Install 1 Package
Total download size: 73 M
Installed size: 74 M
Is this ok [y/d/N]: y
Downloading packages:
jenkins-2.165-1.1.noarch.rpm
                                                                         00:00:09
                                                                  73 MB
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing: jenkins-2.165-1.1.noarch
                                                                                  1/1
  Verifying : jenkins-2.165-1.1.noarch
                                                                                  1/1
Installed:
  jenkins.noarch 0:2.165-1.1
Complete!
[ec2-user@ip-172-31-73-19 ~]$
```

```
[ec2-user@ip-172-31-73-19 ~]$
[ec2-user@ip-172-31-73-19 ~]$
[ec2-user@ip-172-31-73-19 ~]$
[ec2-user@ip-172-31-73-19 ~]$ sudo service jenkins start
Starting Jenkins
[OK]
[ec2-user@ip-172-31-73-19 ~]$
```



## **Getting Started**

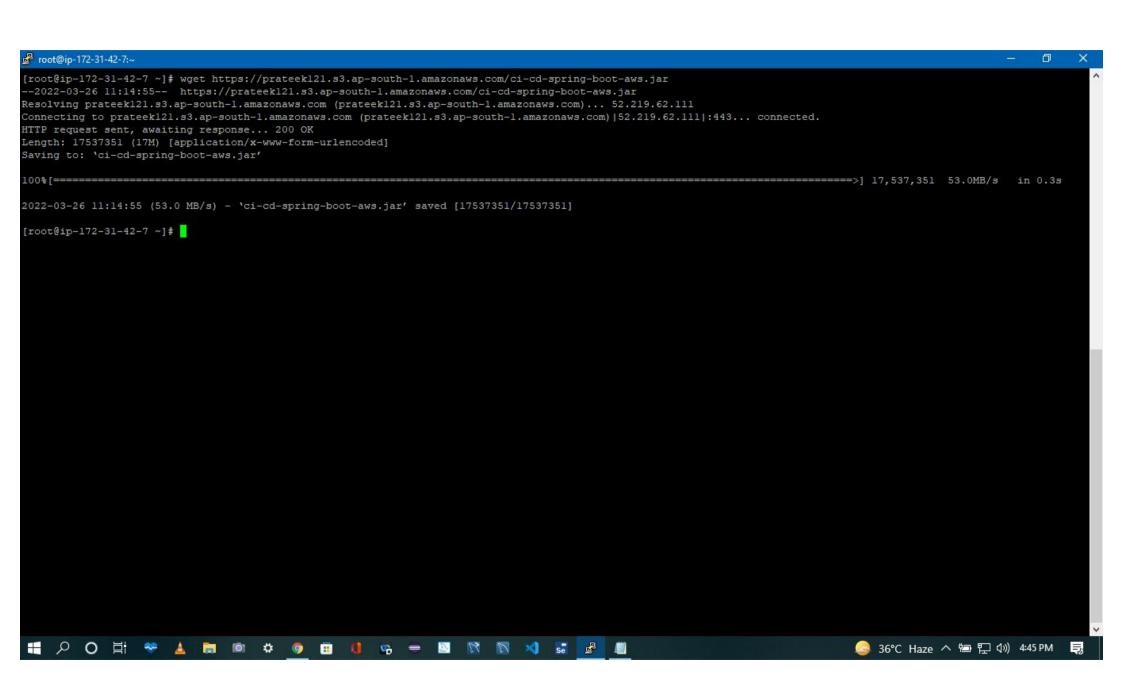
## Jenkins is ready!

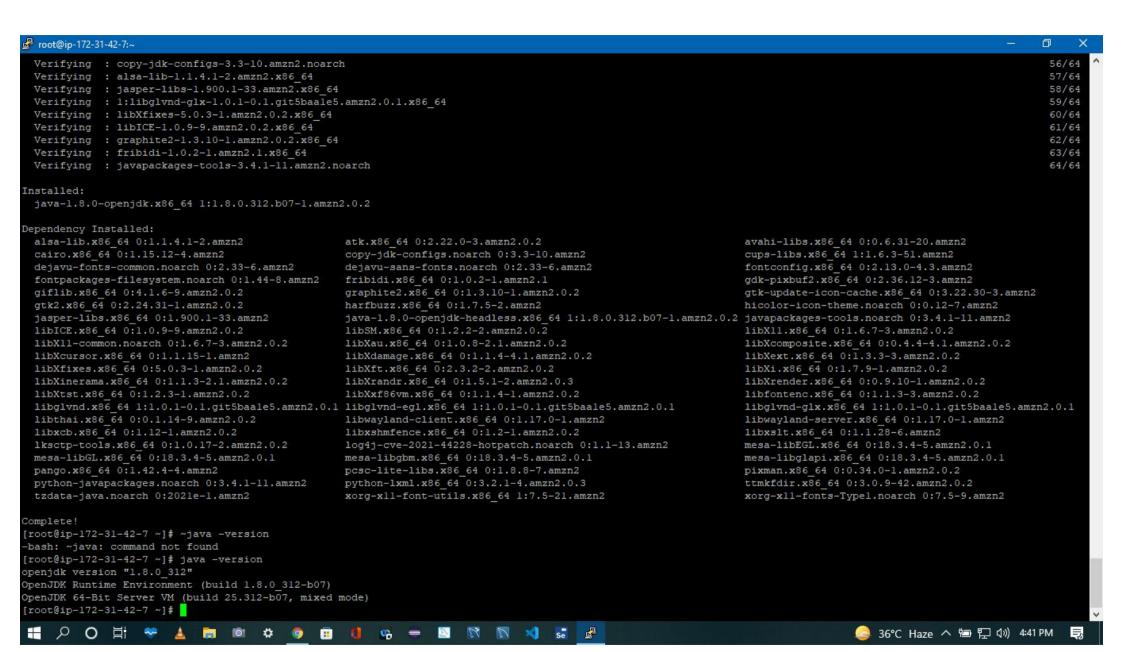
You have skipped the setup of an admin user.

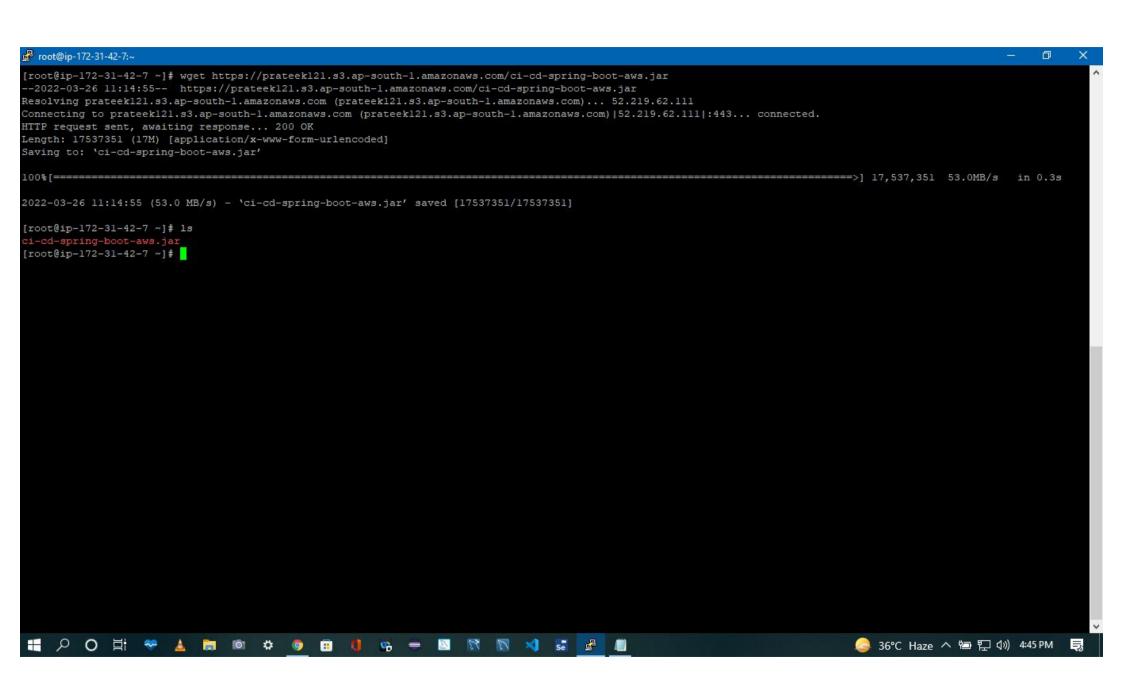
To log in, use the username: "admin" and the administrator password you used to access the setup wizard.

Your Jenkins setup is complete.

Start using Jenkins







```
root@ip-172-31-42-7:~
[root@ip-172-31-42-7 ~] # wget https://prateek121.s3.ap-south-1.amazonaws.com/ci-cd-spring-boot-aws.jar
--2022-03-26 11:14:55-- https://prateek121.s3.ap-south-1.amazonaws.com/ci-cd-spring-boot-aws.jar
Resolving prateek121.s3.ap-south-1.amazonaws.com (prateek121.s3.ap-south-1.amazonaws.com)... 52.219.62.111
Connecting to prateek121.s3.ap-south-1.amazonaws.com (prateek121.s3.ap-south-1.amazonaws.com) | 52.219.62.111 | :443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 17537351 (17M) [application/x-www-form-urlencoded]
Saving to: 'ci-cd-spring-boot-aws.jar'
                                                                                                                               ====>| 17,537,351 53.0MB/s in 0.3s
2022-03-26 11:14:55 (53.0 MB/s) - 'ci-cd-spring-boot-aws.jar' saved [17537351/17537351]
[root@ip-172-31-42-7 ~]# 1s
ci-cd-spring-boot-aws.jar
[root@ip-172-31-42-7 ~] # java -jar ^C
[root@ip-172-31-42-7 ~] # ci-cd-spring-boot-aws.jar
-bash: ci-cd-spring-boot-aws.jar: command not found
[root@ip-172-31-42-7 ~] # java -jar ci-cd-spring-boot-aws.jar
          | ._|_| | | _| | | /_ , | / / / /
 :: Spring Boot ::
                                                   main] com.aws.spring.SpringAwsApplication
                                                                                                  : Starting SpringAwsApplication v0.0.1-SNAPSHOT using Java 1.8.0 312 o
n ip-172-31-42-7.ap-south-1.compute.internal with PID 5812 (/root/ci-cd-spring-boot-aws.jar started by root in /root)
 022-03-26 11:16:21.794 INFO 5812 --- [
                                                   main | com.aws.spring.SpringAwsApplication
                                                                                                   : No active profile set, falling back to 1 default profile: "default"
 022-03-26 11:16:24.153 INFO 5812 --- [
                                                   main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2022-03-26 11:16:24.182 INFO 5812 ---
                                                   main] o.apache.catalina.core.StandardService
                                                                                                  : Starting service [Tomcat]
2022-03-26 11:16:24.183 INFO 5812 --- [
                                                   main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.60]
 022-03-26 11:16:24.334 INFO 5812 --- |
                                                   main] o.a.c.c.C.[Tomcat].[localhost].[/]
                                                                                                  : Initializing Spring embedded WebApplicationContext
 022-03-26 11:16:24.334 INFO 5812 ---
                                                   main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2392 ms
 022-03-26 11:16:25.730 INFO 5812 --- [
                                                   main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path "
                                                   main | com.aws.spring.SpringAwsApplication
                                                                                                  : Started SpringAwsApplication in 5.019 seconds (JVM running for 6.098
```

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