Set up AWS EC2 instance



Ssh to EC2 instance

- Install all dependencies
  - Docker

```
ubuntu@ip-172-31-40-78:~$ sudo docker --version
Docker version 20.10.12, build e91ed57
ubuntu@ip-172-31-40-78:~$ ■
```

o Java jdk

```
ubuntu@ip-172-31-40-78:~$ java --version
openjdk 11.0.13 2021-10-19
OpenJDK Runtime Environment (build 11.0.13+8-Ubuntu-0ubuntu1.20.04)
OpenJDK 64-Bit Server VM (build 11.0.13+8-Ubuntu-0ubuntu1.20.04, mixed mode, sharing)
ubuntu@ip-172-31-40-78:~$ ■
```

Maven

```
ubuntu@ip-172-31-40-78:~$ mvn --version
Apache Maven 3.6.3
Maven home: /usr/share/maven
Java version: 11.0.13, vendor: Ubuntu, runtime: /usr/lib/jvm/java-11-openjdk-amd64
Default locale: en, platform encoding: UTF-8
0S name: "linux", version: "5.11.0-1022-aws", arch: "amd64", family: "unix"
ubuntu@ip-172-31-40-78:~$ ■
```

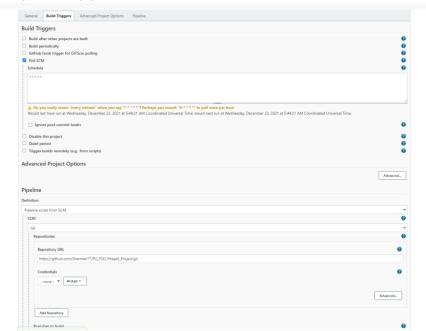
Jenkins

```
ubuntu@ip-172-31-40-78:~$ sudo service jenkins status

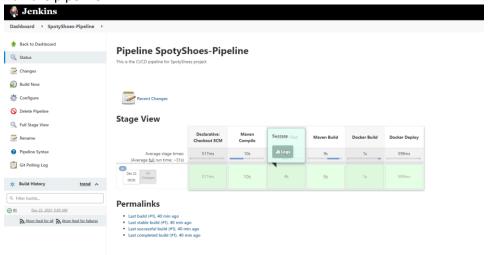
• jenkins.service - LSB: Start Jenkins at boot time
Loaded: loaded (/etc/init.d/jenkins; generated)
Active: active (exited) since Wed 2021-12-22 04:39:31 UTC; 1h 1min ago
Docs: man:systemd-sysv-generator(8)
Process: 452 ExecStart=/etc/init.d/jenkins start (code=exited, status=0/SUCCESS)

Dec 22 04:39:28 ip-172-31-40-78 systemd[1]: Starting LSB: Start Jenkins at boot time...
Dec 22 04:39:29 ip-172-31-40-78 jenkins [452]: correct java version found
Dec 22 04:39:29 ip-172-31-40-78 jenkins [452]: * Starting Jenkins Automation Server jenkins
Dec 22 04:39:30 ip-172-31-40-78 su[665]: (to jenkins) root on none
Dec 22 04:39:30 ip-172-31-40-78 su[665]: pam_unix(su-l:session): session opened for user jenkins by (uid=0)
Dec 22 04:39:30 ip-172-31-40-78 su[665]: pam_unix(su-l:session): session closed for user jenkins
Dec 22 04:39:31 ip-172-31-40-78 synchins [452]: ...done.
Dec 22 04:39:31 ip-172-31-40-78 systemd[1]: Started LSB: Start Jenkins at boot time.
ubuntu@ip-172-31-40-78:~$
```

• Set up Jenkins pipeline



• Run the pipeline



• Verify the web-service is up and running