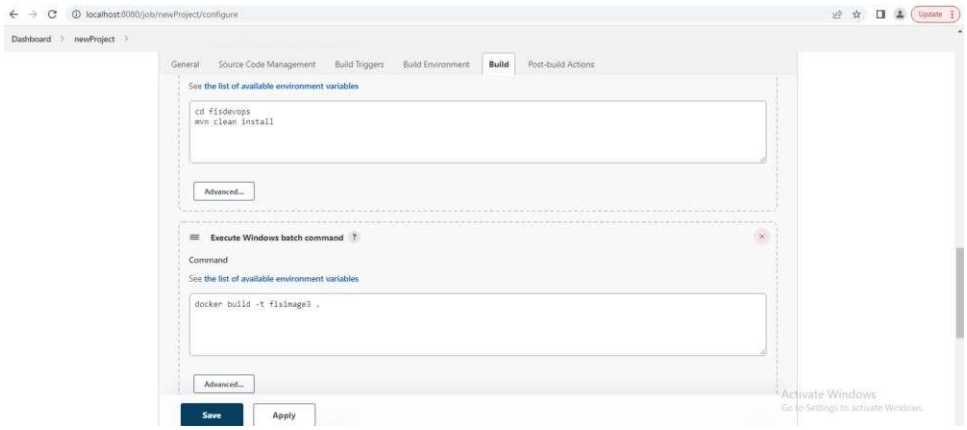
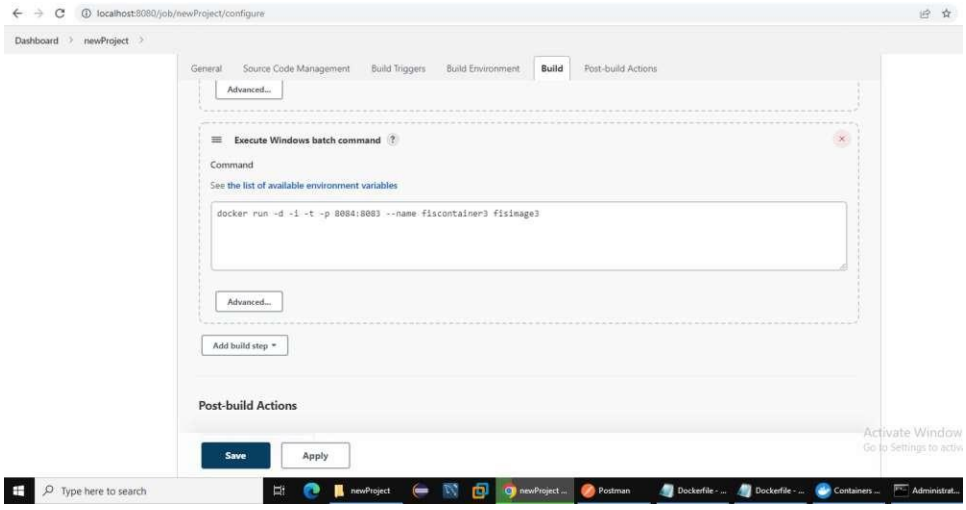
DEVOPS PIPELINE

1.) Use .JAR file and build docker image in CMD

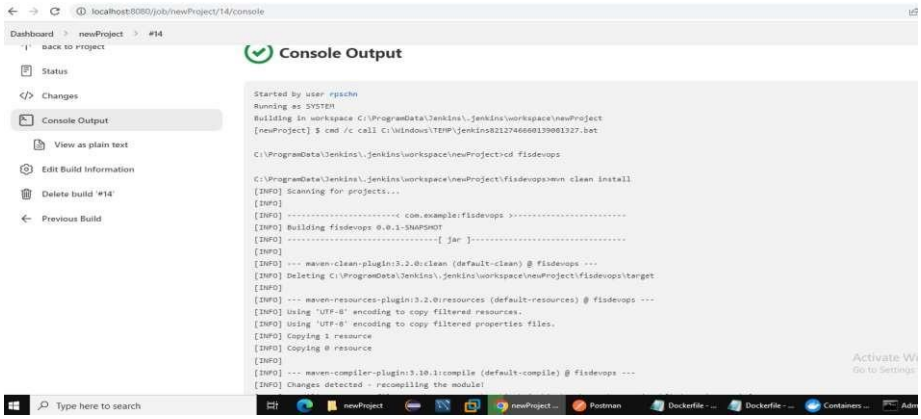
2.) Create Jenkins Project

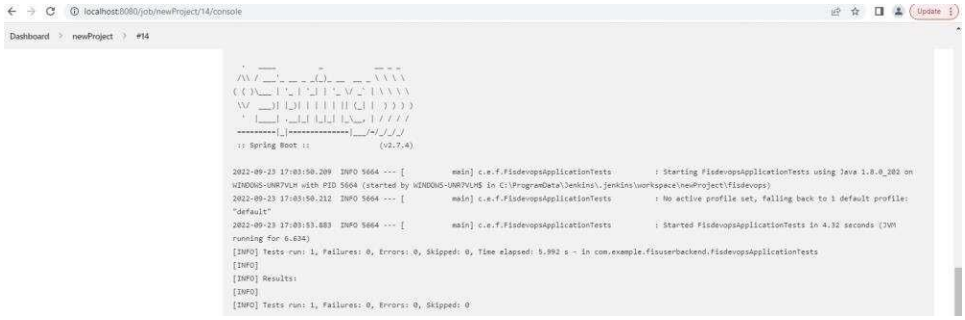


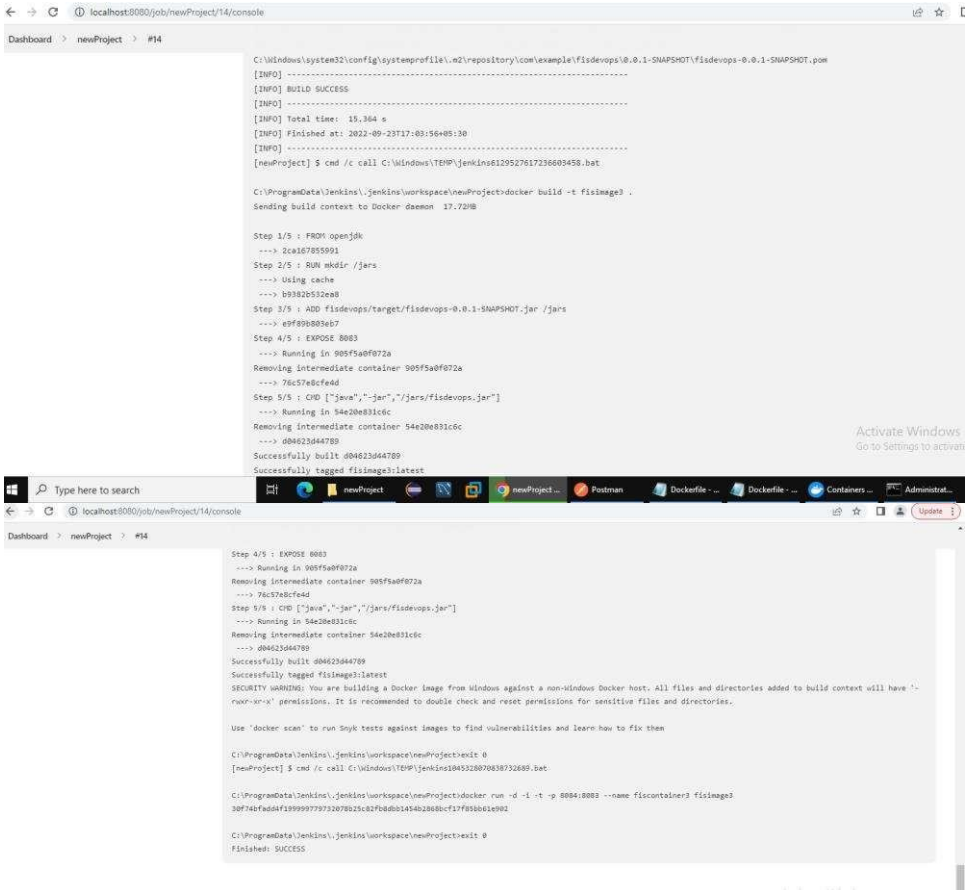
3.) Build the image and container



4. Output


localhost:8080/job/newProject/14/console
Dashboard > newProject > #14
Console Output
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete build '#14'
Previous Build
Started by user rpschn
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\newProject
[newProject] $ cmd /c call C:\Windows\TEMP\jenkins8212746660139001327.bat
C:\ProgramData\Jenkins\.jenkins\workspace\newProject>cd fisdevops
C:\ProgramData\Jenkins\.jenkins\workspace\newProject\fisdevops>mvn clean install
[INFO] Scanning for projects...
[INFO] Building fisdevops 0.0.1-SNAPSHOT
[INFO] --- maven-clean-plugin:3.2.0:clean (default-clean) @ fisdevops ---
[INFO] Deleting C:\ProgramData\Jenkins\.jenkins\workspace\newProject\fisdevops\target
[INFO] --- maven-resources-plugin:3.2.0:resources (default-resources) @ fisdevops ---
[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-compiler-plugin:3.10.1:compile (default-compile) @ fisdevops ---
[INFO] Changes detected - recompiling the module!
Type here to search

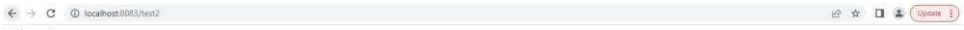

localhost:8080/job/newProject/14/console
Dashboard > newProject > #14
:: Spring Boot ::
2022-09-23 17:03:50.209 INFO 5664 --- [main] c.e.f.FisdevopsApplicationTests : Starting FisdevopsApplicationTests using Java 1.8.0_202 on WINDOWS-UNR7VLM with PID 5664 (started by WINDOWS-UNR7VLM$ in C:\ProgramData\Jenkins\.jenkins\workspace\newProject\fisdevops)
2022-09-23 17:03:50.212 INFO 5664 --- [main] c.e.f.FisdevopsApplicationTests : No active profile set, falling back to 1 default profile: "default"
2022-09-23 17:03:53.883 INFO 5664 --- [main] c.e.f.FisdevopsApplicationTests : Started FisdevopsApplicationTests in 4.32 seconds (JVM running for 6.634)
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 5.992 s - in com.example.fisuserbackend.FisdevopsApplicationTests
[INFO] Results:
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0


localhost:8080/job/newProject/14/console
Dashboard > newProject > #14
C:\Windows\system32\config\systemprofile\.m2\repository\com\example\fisdevops\0.0.1-SNAPSHOT\fisdevops-0.0.1-SNAPSHOT.pom
[INFO] BUILD SUCCESS
[INFO] Total time: 15.364 s
[INFO] Finished at: 2022-09-23T17:03:56+05:30
[newProject] $ cmd /c call C:\Windows\TEMP\jenkins6129527617236603458.bat
C:\ProgramData\Jenkins\.jenkins\workspace\newProject>docker build -t fisimage3 .
Sending build context to Docker daemon 17.72MB
Step 1/5 : FROM openjdk
---> 2ca167855991
Step 2/5 : RUN mkdir /jars
---> Using cache
---> b9382b532ea8
Step 3/5 : ADD fisdevops/target/fisdevops-0.0.1-SNAPSHOT.jar /jars
---> e9f89b803eb7
Step 4/5 : EXPOSE 8083
---> Running in 905f5a0f072a
Removing intermediate container 905f5a0f072a
---> 76c57e8cfe4d
Step 5/5 : CMD ["java","-jar","/jars/fisdevops.jar"]
---> Running in 54e20e831c6c
Removing intermediate container 54e20e831c6c
---> d04623d44789
Successfully built d04623d44789
Successfully tagged fisimage3:latest
Activate Windows
Type here to search

localhost:8080/job/newProject/14/console
Dashboard > newProject > #14
Step 4/5 : EXPOSE 8083
---> Running in 905f5a0f072a
Removing intermediate container 905f5a0f072a
---> 76c57e8cfe4d
Step 5/5 : CMD ["java","-jar","/jars/fisdevops.jar"]
---> Running in 54e20e831c6c
Removing intermediate container 54e20e831c6c
---> d04623d44789
Successfully built d04623d44789
Successfully tagged fisimage3:latest
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
C:\ProgramData\Jenkins\.jenkins\workspace\newProject>exit 0
[newProject] $ cmd /c call C:\Windows\TEMP\jenkins1045328070838732689.bat
C:\ProgramData\Jenkins\.jenkins\workspace\newProject>docker run -d -i -t -p 8084:8083 --name fiscontainer3 fisimage3
30f74bfaddaf1999997797320785c82fb8dbb1454b286bcf17f85bb61e902
C:\ProgramData\Jenkins\.jenkins\workspace\newProject>exit 0
Finished: SUCCESS

5. Output of TEST 1 and 2

test1 is working



test2 is working

Activate Windows
Go to Settings to activate Windows.