

## Create a Jenkins project using Docker Images and Container

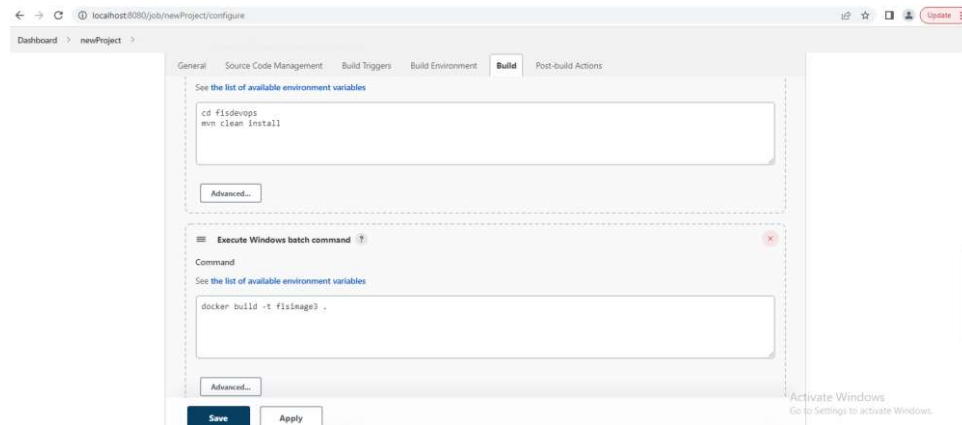
### 1) Used jar file and build a docker image in command

```
Administrator Command Prompt
Sending build context to Docker daemon 17.64MB
Step 1/5 : FROM openjdk
--> 2ca167855991
Step 2/5 : RUN mkdir /jars
--> Using cache
--> b9382b532ea8
Step 3/5 : ADD fisdevops.jar /jars
--> 0ae32b99a21f
Step 4/5 : EXPOSE 8083
--> Running in 3b0d9f829598
Removing intermediate container 94b24675cd8f
--> 0855f0185161
Step 5/5 : CMD ["java","-jar","/jars/fisdevops.jar"]
--> Running in 3b0d9f829598
Removing intermediate container 3b0d9f829598
--> 691a6877b77c
Successfully built 691a6877b77c
Successfully tagged fisimage: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.

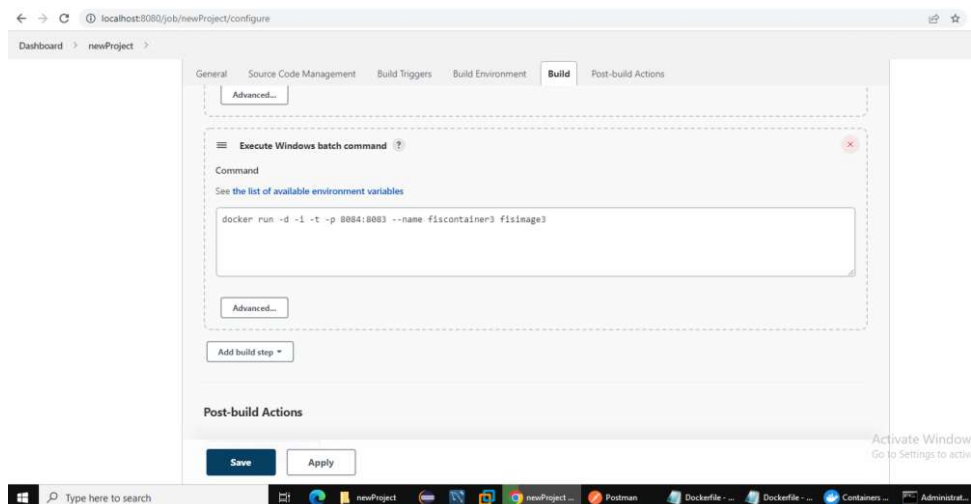
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

c:\dockerfiles>docker run -d -i -t -p 8083:8083 --name fiscontainer fisimage
4f55b91a3f2834a1c9055ca41a5281fec6a609e9328876bb9e4ec8c655851bc5
c:\dockerfiles>
```

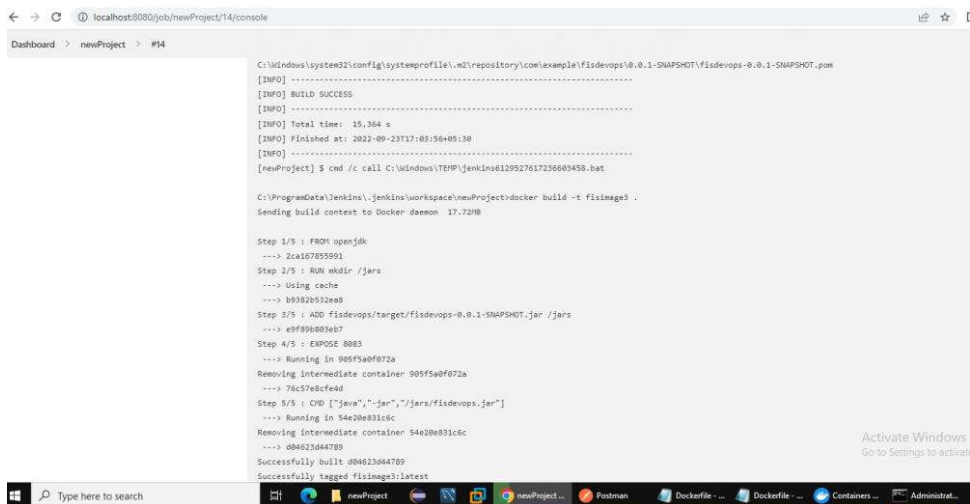
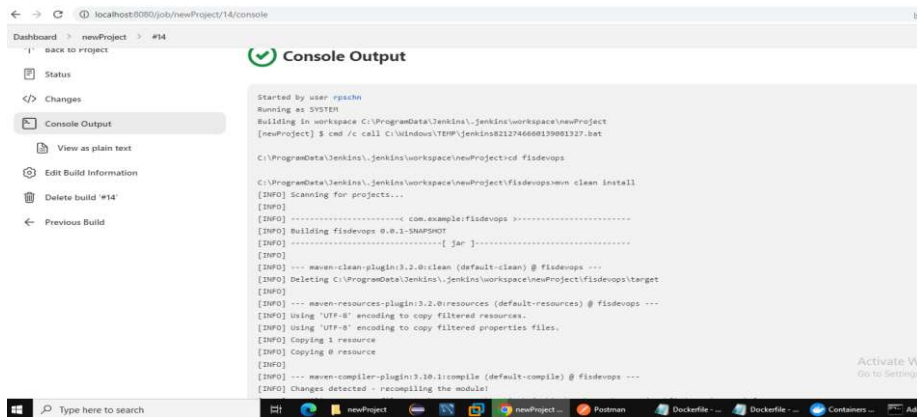
### 2) Created Jenkins project and written mvn command:

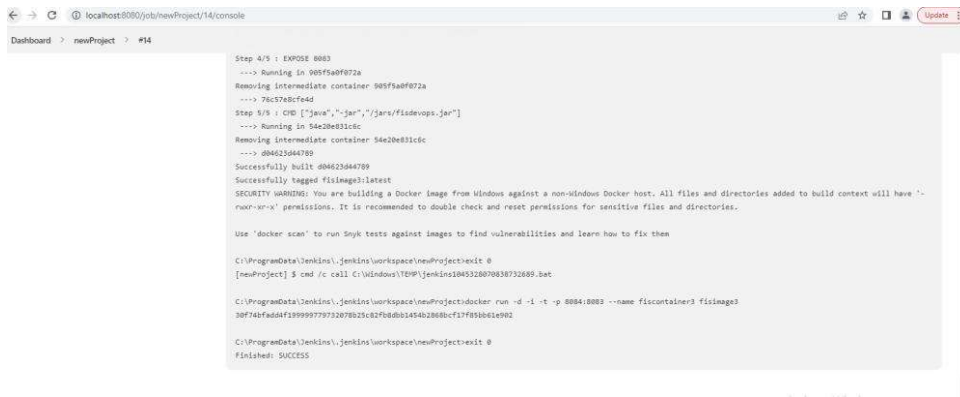


### 3) Command to build the image and container:



4) Console output of project:





The screenshot shows a Jenkins console output window for a build named 'newProject' with ID '#14'. The browser address bar indicates the URL is 'localhost:8080/job/newProject/14/console'. The console text shows the following steps:

```
Step 4/5 : EXPOSE 8083
--> Running in 905f5a0f072a
Removing intermediate container 905f5a0f072a
--> 76c576cf64d
Step 5/5 : CMD ["java","-jar","/jar/fisdevops.jar"]
--> Running in 54e28e831dc
Removing intermediate container 54e28e831dc
--> 084025044789
Successfully built 084025044789
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\workspace\newProject\exit @
[newProject] $ cd /c call C:\Windows\TEMP\jenkins1045326070838732689.bat

C:\ProgramData\jenkins\workspace\newProject\docker run -d -l -t -p 8084:8083 --name fiscontainer3 fisimage3
30f74bfada6f39999779732078b25c82f68db51454b28680cf17f893b61e902

C:\ProgramData\jenkins\workspace\newProject\exit @
Finished: SUCCESS
```

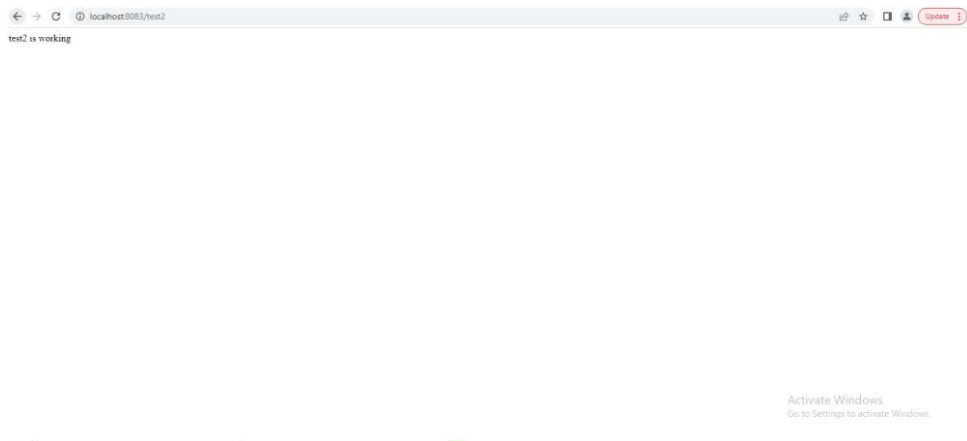
## 5) Output of test1 on localserver



The screenshot shows a Jenkins console output window for a build named 'test1' with ID '#1'. The browser address bar indicates the URL is 'localhost:8083/test1'. The console text shows the following output:

```
test1 is working
```

## 6) Output of test2 on localserver:



7) Output of tes31 on localserver:

