

UNIVERSITY WITH A PURPOSE

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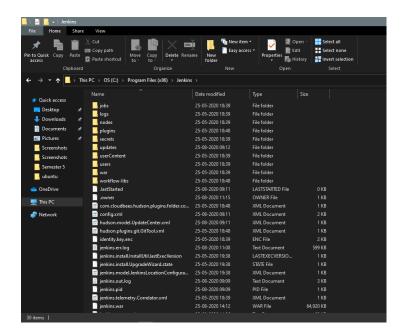
Roll number: R171218110

CICD EXPERIMENT 1

• Go to https://www.jenkins.io/download/ to download your specified version of Jenkins.



• After you have downloaded Jenkins, go to the location where you've saved it. Copy the path.



 Go to you cmd(Command Prompt) and change the current directory to the location of your Jenkins folder.

Enter the command as java -jar Jenkins.war -httpPort=8383

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Microsoft Windows [Version 10.0.19841.508]

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C:\Users\Dell>cd C:\Program Files (x86)\Jenkins>

C:\Program Files (x86)\Jenkins>java -jar jenkin.war --httpPort=8383

Ecror: Unable to access jarfile jenkin.war

C:\Program Files (x86)\Jenkins>java -jar jenkin.war --httpPort=8383

Running from: C:\Program Files (x86)\Jenkins>java -jar jenkin.war

webroot: $user.home/.jenkins

2020-10-80 $19:56:10.239-4000 [id-1] INFO org.eclipse.jetty.util.log.Log#initialized: Logging initialized @2805ms

to org.eclipse.jetty.util.log.Javabitilog

2020-10-80 $19:56:10.439-4000 [id-1] INFO winstone.Logger#logInternal: Beginning extraction from war file

2020-10-80 $19:56:10.439-4000 [id-1] INFO org.eclipse.jetty.server.ServedStart: jetty-9.4.30.v20200611; built:

2020-60-11712:34:51.9297; git: 271836e4c1f4012f12Dfbb1sef5a92a927634bod; jwm 11.0.8+10-LTS

2020-10-80 $19:56:14.27-40000 [id-1] INFO o.e.j.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /,

did not find org.eclipse.jetty.jsp.JettyJspServlet

2020-10-80 $19:56:14.483+0000 [id-1] INFO o.e.j.s.s.DefaultSessionIdManager#doStart: DefaultSessionIdManager worke

Plame=node0

2020-10-80 $19:56:14.883+0000 [id-1] INFO o.e.j.s.s.DefaultSessionIdManager#doStart: No SessionScavenger set, usin

g defaults

2020-10-80 $19:56:14.883+0000 [id-1] INFO o.e.j.server.session.HouseKeeper#startScavenging: node0 Scavenging every

660000ms

MARNING: An illegal reflective access by com.thoughtworks.xstream.core.util.Fields (file:/C:/Users/Dell/.jenkins/war/WEB-IN

f/lib/xstream-1.4.7-jenkins-1.jar) to field java.util.TreeMap.comparator

MARNING: Helesa consider reporting this to the maintainers of com.thoughtworks.xstream.core.util.Fields

MARNING: Use --illegal-access-warn to enable warnings of further illegal reflective access operations
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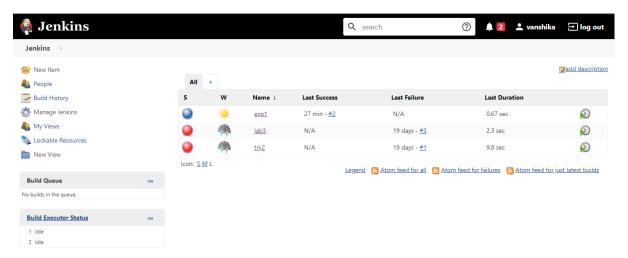
• Once you see "Jenkins is up and running" on cmd, now you need to go to your localhost with the same port as you set and put in your password(first for the first time) given by jenkins(in a file called "initialAdminPassword")



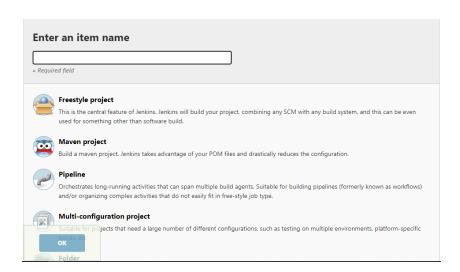
• Set up as your First Admin User by signing up and download the required plugins.



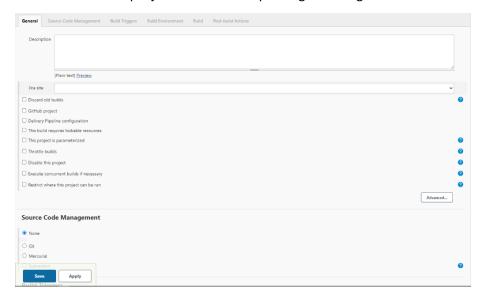
 After downloading the required plugins go to your dashboard and select "New Item" (on the left) to start and brand new project.



Select the desired type of project form the options. (I've selected "Freestyle Project" to execute a simple job in Jenkins.)



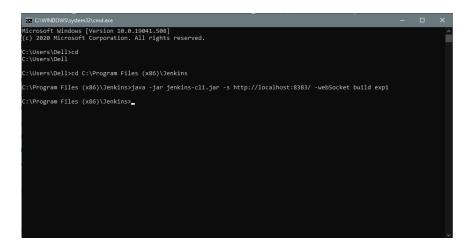
• To execute a simple job in Jenkins like printing a message on the screen.



- Go to "manage Jenkins" in the menu on the left and then go to "Jenkins Cli" and download it. Make sure to save it at the same place as Jenkins.war file.
- Open cmd again. Change the directory again to the same location as Jenkins.war file.
- Enter the following command

java -jar <u>jenkins-cli.jar</u> -s http://localhost:8383/ -webSocket build JOB

JOB here will be the name of the project. This command is in the "build" part of the Jenkins cli.



BRAVO! You successfully executed a simple Jenkins job all by yourself.