

# Assignment-2

## Creating a DevOps pipeline

By

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1. Open command line with the path of bin/ folder of the Nexus binary downloaded
2. Type the following command:

**Nexus.exe /run**

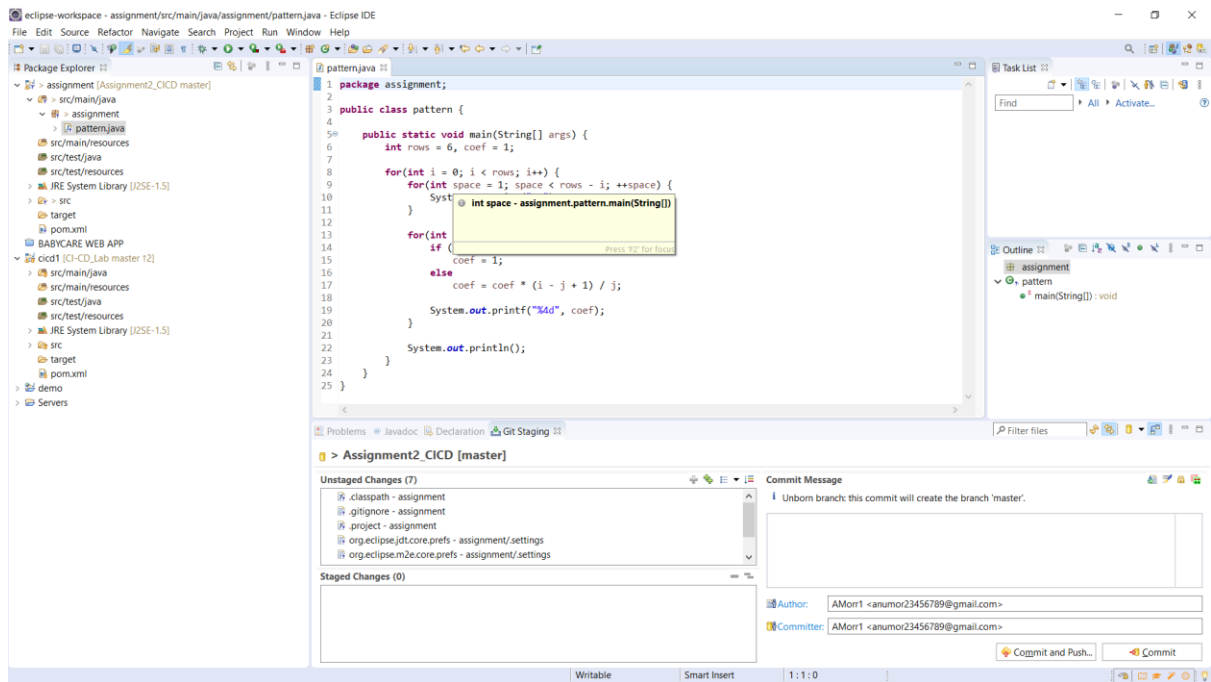
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Microsoft Windows [Version 10.0.19042.572]
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C:\Users\Anurag> cd C:\Nexus 3.18\Nexus 3.18.1-01\bin

C:\Nexus 3.18\Nexus 3.18.1-01\bin> nexus.exe /run
2020-10-15 13:00:20,825+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.pax.logging.NexusLogActivator - start
2020-10-15 13:00:22,880+0530 WARN [FelixStartLevel] *SYSTEM uk.org.lidalia.sysoutSlf4j.context.SysOutOverSlf4jInitialiser - Your logging framework class org.ops4j.pax.logging.Slf4jLogger is not known - if
it needs access to the standard println methods on the console you will need to register it by calling registerLoggingSystemPackage
2020-10-15 13:00:22,880+0530 INFO [FelixStartLevel] *SYSTEM uk.org.lidalia.sysoutSlf4j.context.SysOutOverSlf4j - Package org.ops4j.pax.logging.Slf4j registered; all classes within it or subpackages of it will b
e allowed to print to System.out and System.err
2020-10-15 13:00:22,890+0530 INFO [FelixStartLevel] *SYSTEM uk.org.lidalia.sysoutSlf4j.context.SysOutOverSlf4j - Replaced standard System.out and System.err PrintStreams with SLF4JPrintStreams
2020-10-15 13:00:22,900+0530 INFO [FelixStartLevel] *SYSTEM uk.org.lidalia.sysoutSlf4j.context.SysOutOverSlf4j - Redirected System.out and System.err to SLF4J for this context
2020-10-15 13:00:22,911+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - Properties:
2020-10-15 13:00:22,911+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - application-host='0.0.0.0'
2020-10-15 13:00:22,911+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - application-port='8081'
2020-10-15 13:00:22,911+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - fabric.etc='C:\Nexus 3.18\Nexus 3.18.1-01\etc\fabric'
2020-10-15 13:00:22,920+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - jetty.etc='C:\Nexus 3.18\Nexus 3.18.1-01\etc\jetty'
2020-10-15 13:00:22,920+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - karaf-base='C:\Nexus 3.18\Nexus 3.18.1-01'
2020-10-15 13:00:22,920+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - karaf-data='C:\Nexus 3.18\sonatype-work\nexus3'
2020-10-15 13:00:22,920+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - karaf.etc='C:\Nexus 3.18\Nexus 3.18.1-01\etc\karaf'
2020-10-15 13:00:22,920+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - karaf.home='C:\Nexus 3.18\Nexus 3.18.1-01'
2020-10-15 13:00:22,920+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - karaf.instances='C:\Nexus 3.18\sonatype-work\nexus3\instances'
2020-10-15 13:00:22,920+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - logback.etc='C:\Nexus 3.18\Nexus 3.18.1-01\etc\logback'
2020-10-15 13:00:22,920+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - nexus-args='C:\Nexus 3.18\Nexus 3.18.1-01\etc\jetty\jetty.xml,C:\Nexus 3.18\Nexus 3.18.1-01\etc\
jetty\jetty-http.xml,C:\Nexus 3.18\Nexus 3.18.1-01\etc\jetty\jetty-requestlog.xml'
2020-10-15 13:00:22,926+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - nexus-context-path='/'
2020-10-15 13:00:22,931+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - nexus-edition='nexus-pro-edition'
2020-10-15 13:00:22,940+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - nexus-features='nexus-pro-feature'
2020-10-15 13:00:22,940+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - nexus-hazelcast.discovery.isEnabled='true'
2020-10-15 13:00:22,942+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.ConfigurationBuilder - ssl.etc='C:\Nexus 3.18\Nexus 3.18.1-01\etc\ssl'
2020-10-15 13:00:22,943+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.Launcher - Java: 1.8.0_192, OpenJDK 64-Bit Server VM, Azul Systems, Inc., 25.192-b01
2020-10-15 13:00:22,944+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.Launcher - OS: Windows 10, 10.0, amd64
2020-10-15 13:00:22,944+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.Launcher - User: Anurag, en, C:\Users\Anurag
2020-10-15 13:00:22,944+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.Launcher - CMD: C:\Nexus 3.18\Nexus 3.18.1-01
2020-10-15 13:00:22,950+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.Launcher - TMP: C:\Nexus 3.18\sonatype-work\nexus3\tmp
2020-10-15 13:00:22,959+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.jetty.JettyServer - Starting
2020-10-15 13:00:22,959+0530 INFO [FelixStartLevel] *SYSTEM org.eclipse.jetty.util.log - Logging initialized @14007ms to org.eclipse.jetty.util.log.Slf4jLog
2020-10-15 13:00:23,015+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.jetty.JettyServer - Applying configuration: file:C:\Nexus3.18\Nexus 3.18.1-01\etc\jetty\jetty.xml
2020-10-15 13:00:23,015+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.jetty.JettyServer - Applying configuration: file:C:\Nexus3.18\Nexus 3.18.1-01\etc\jetty\jetty-http.xml
2020-10-15 13:00:23,310+0530 WARN [FelixStartLevel] *SYSTEM org.eclipse.jetty.server.AbstractConnector - Ignoring deprecated socket close linger time
2020-10-15 13:00:23,381+0530 INFO [FelixStartLevel] *SYSTEM org.sonatype.nexus.bootstrap.jetty.JettyServer - Applying configuration: file:C:\Nexus3.18\Nexus 3.18.1-01\etc\jetty\jetty-requestlog.xml
2020-10-15 13:00:23,440+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.bootstrap.jetty.JettyServer - Starting: Server@321ade3a(STOPPED)[9.4.18.v20190429]
2020-10-15 13:00:23,450+0530 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.Server - jetty-9.4.18.v20190429; built: 2019-04-29T20:42:08.989Z; git: elbc35120a6617ee3df052294e433fa25ce7097; jvm 1.8.0_192-b
01
2020-10-15 13:00:23,595+0530 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.session - DefaultSessionIdManager workerName=node0
2020-10-15 13:00:23,595+0530 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.session - No SessionScavenger set, using defaults
2020-10-15 13:00:23,600+0530 INFO [jetty-main-1] *SYSTEM org.eclipse.jetty.server.session - node0 Scavenging every 60000ms
2020-10-15 13:00:23,615+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.bootstrap.osgi.BootstrapListener - Initializing
2020-10-15 13:00:23,620+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.bootstrap.osgi.BootstrapListener - Loading OSS Edition
2020-10-15 13:00:23,620+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.bootstrap.osgi.BootstrapListener - Installing: nexus-oss-edition/3.18.1.01
2020-10-15 13:00:25,047+0530 INFO [jetty-main-1] *SYSTEM org.sonatype.nexus.bootstrap.osgi.BootstrapListener - Installed: nexus-oss-edition/3.18.1.01
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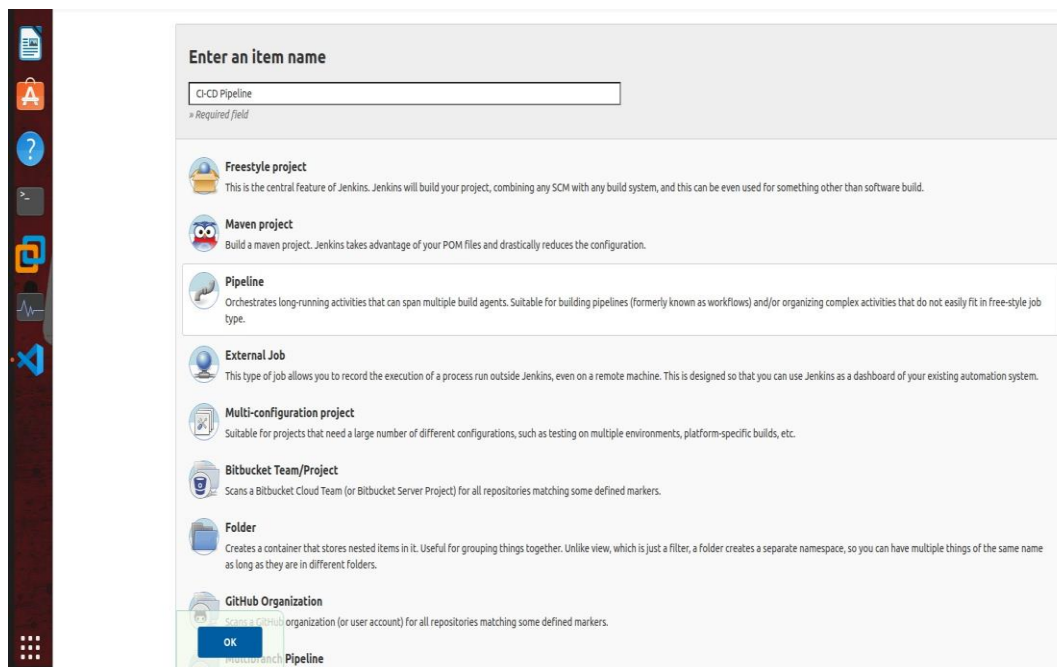
3. Run the Jenkins command to run Jenkins server using command  
**java -jar Jenkins.war**



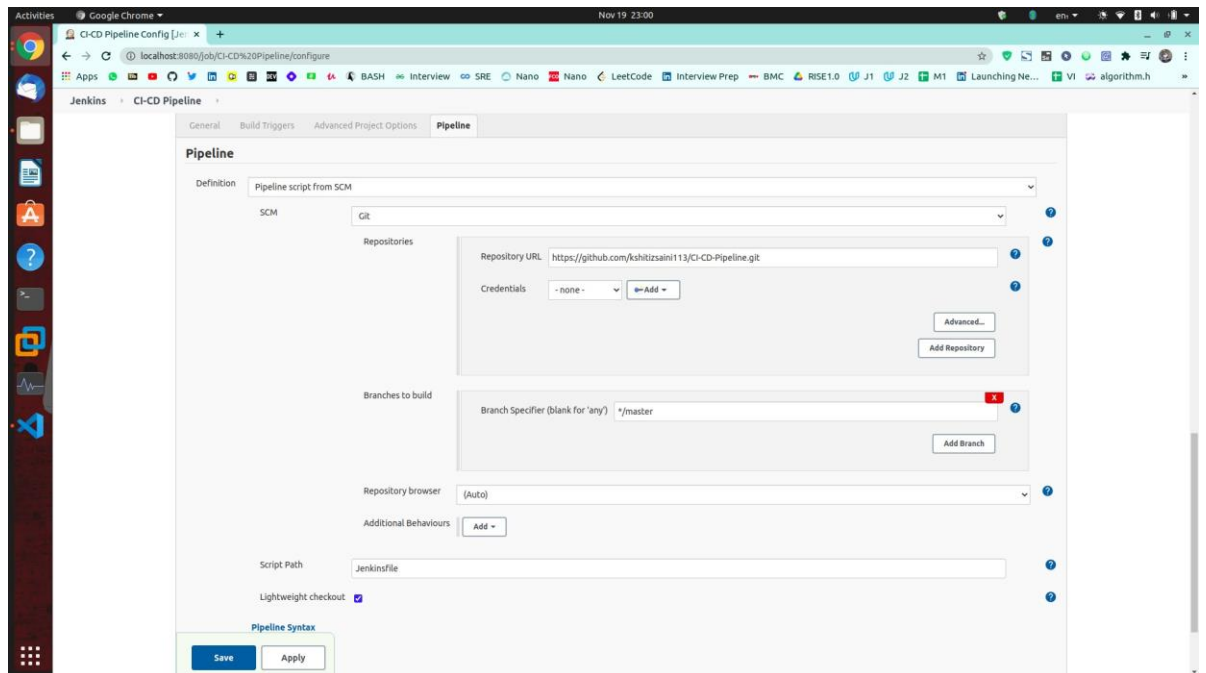


**6. Then add a Jenkins File to create a Jenkins pipeline.**

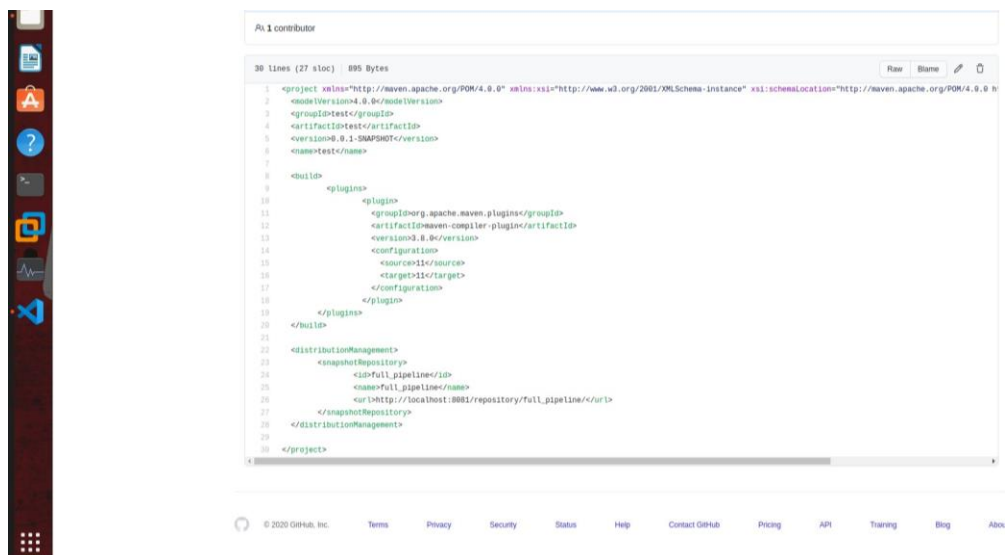
**7. Then create a Jenkins pipeline using the Jenkins WebUI.**



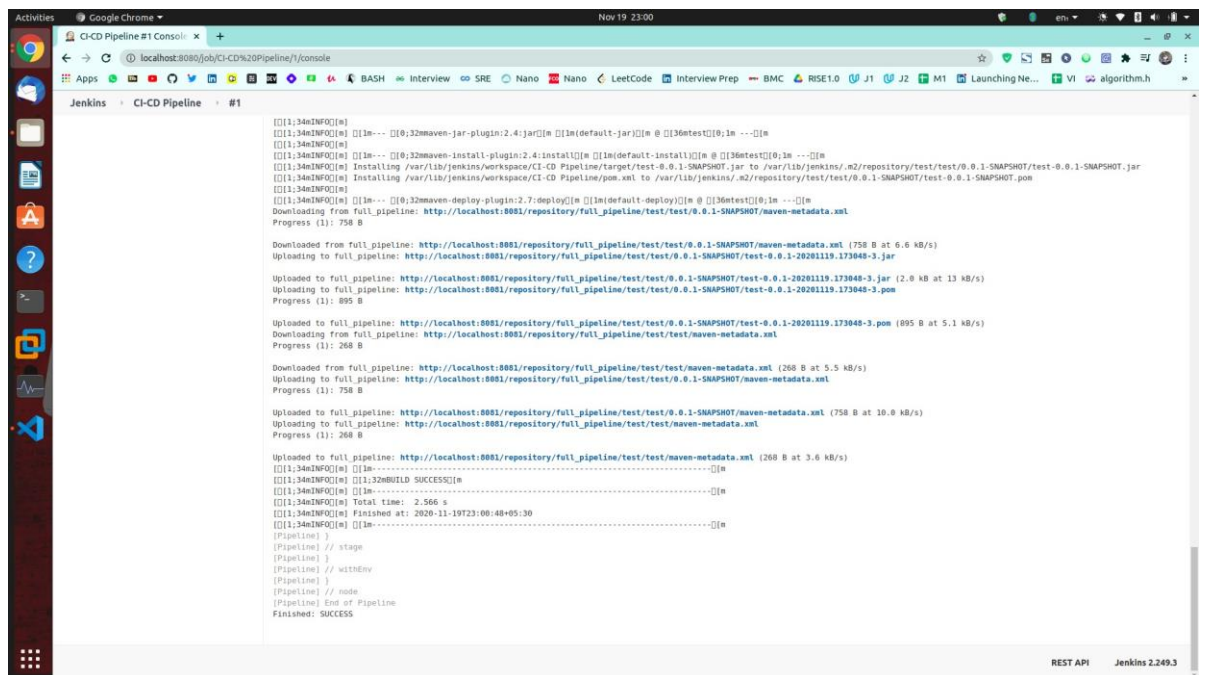
**8. Then we will specify the GitHub repository in the pipeline and specify the path for JenkinsFile.**



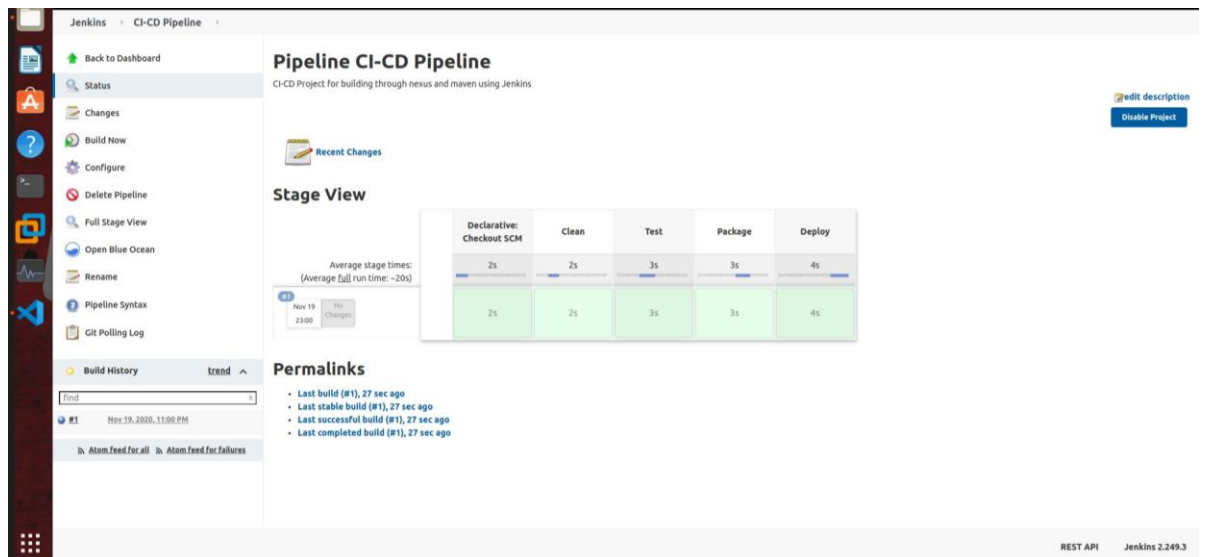
**9. Now, it is time for Nexus. So specify the Nexus repository in the pom.xml of the project.**



**10. We will then use the Poll SCM feature of Jenkins to automate the build.**



## 11. Pipeline work done!





## 12. The built project will be visible in Nexus repository and we are finally done.

