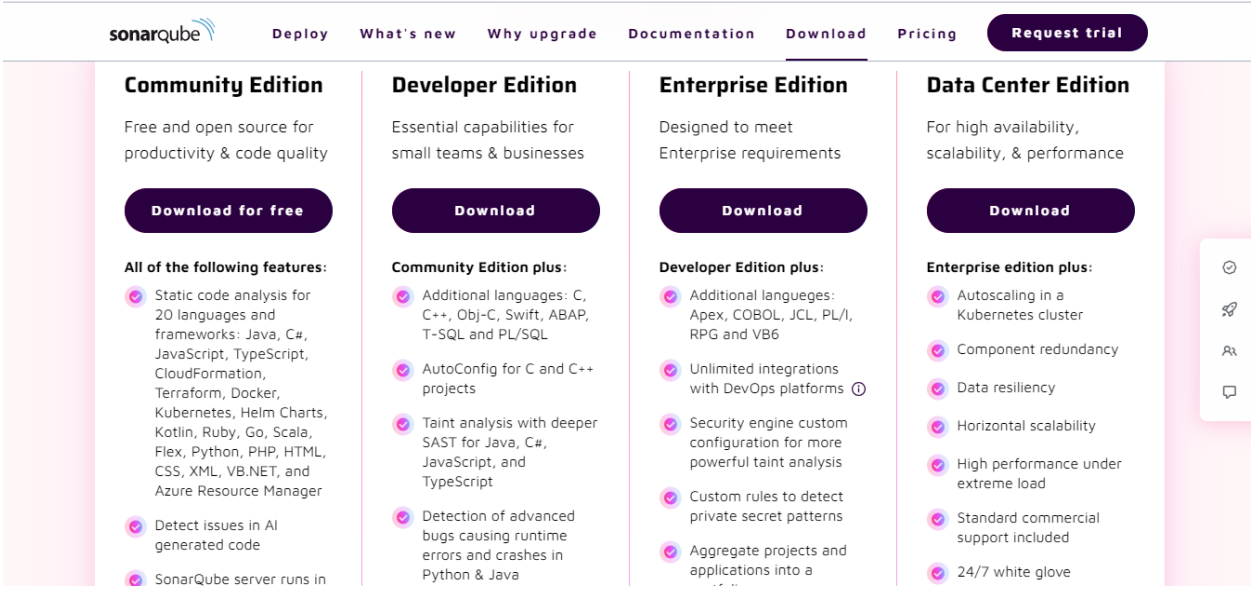
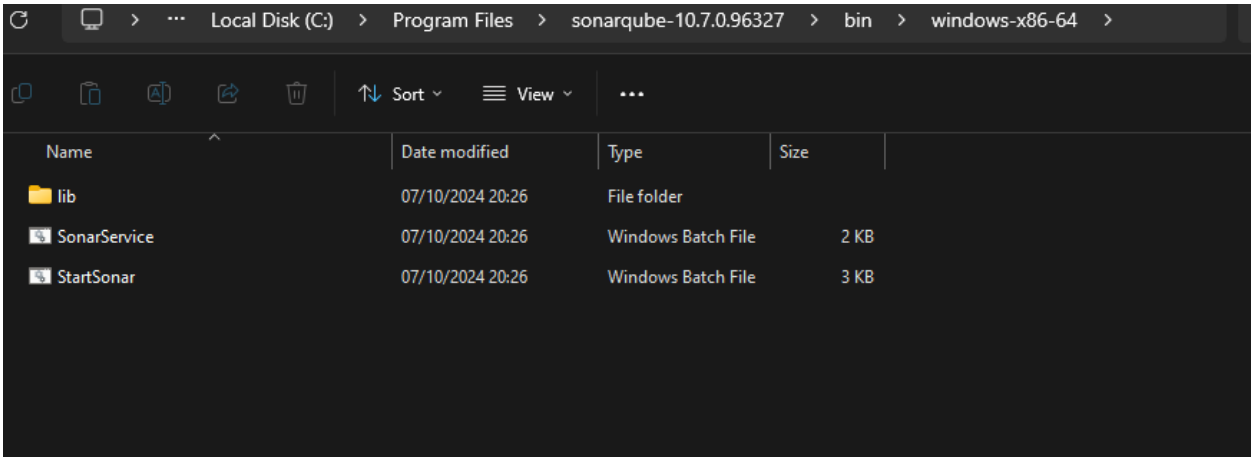
Exp 9 :- Sonarqube With Jenkins

Step 1 :- Go To https://www.sonarsource.com/products/sonarqube/downloads and download Community Editions.



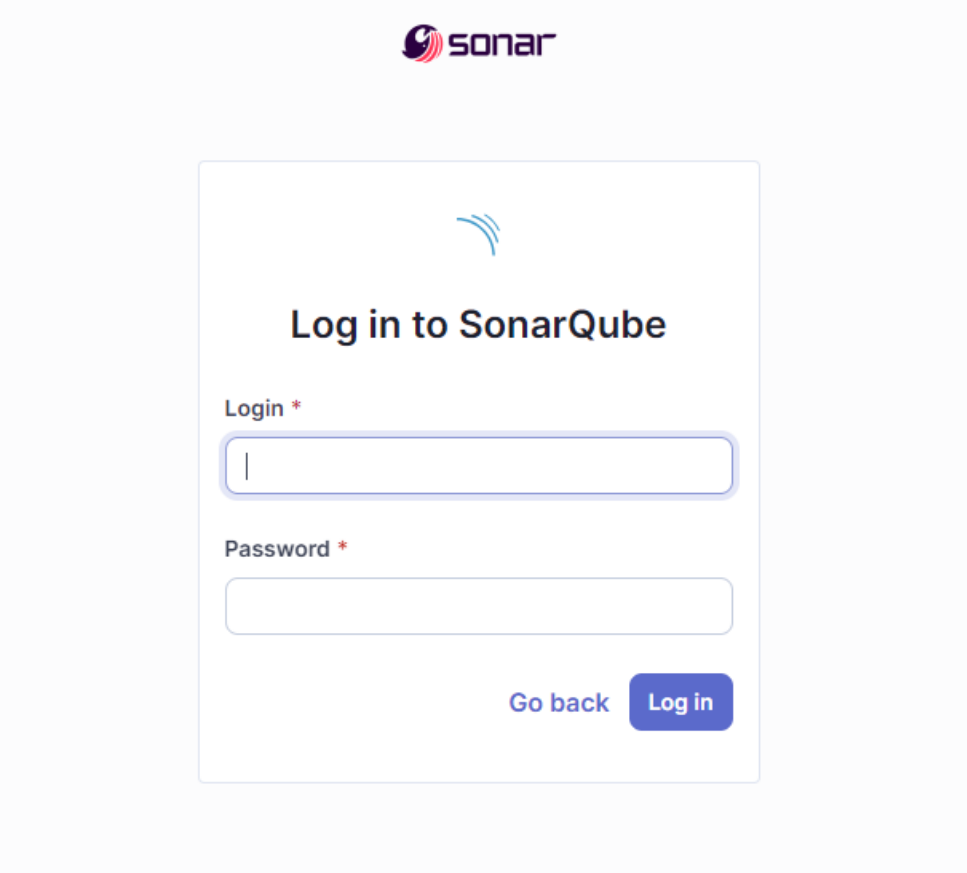
Step 2 :- Now Go To bin/windows-x86-64 and start StartSonar



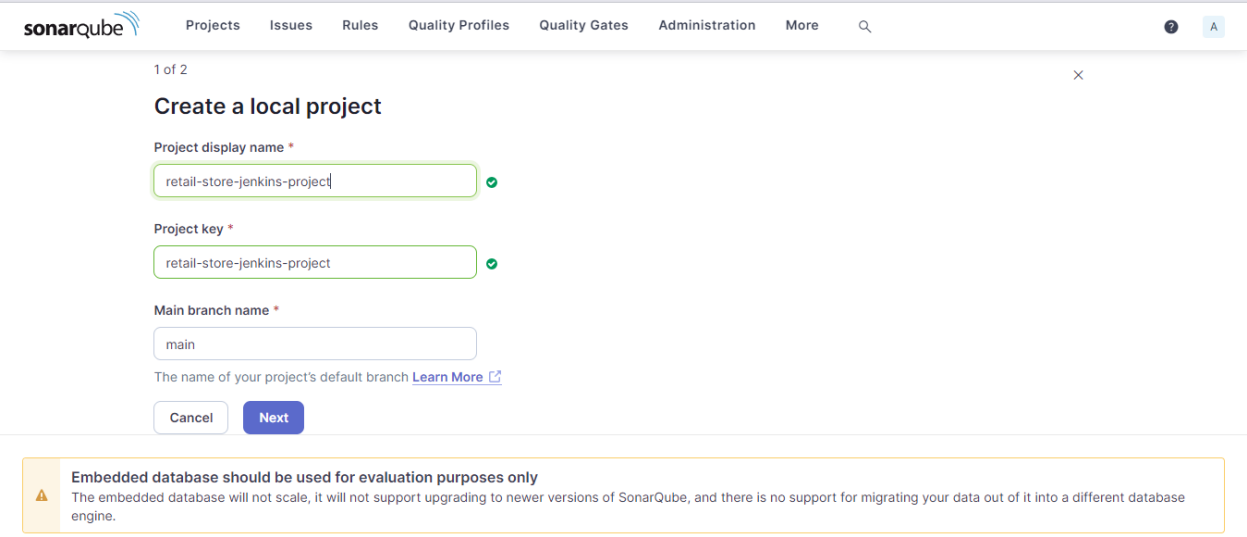
Step 3 :- You Will See Process Is Up & Sonarqube Is Operational

```
736858properties
WARNING: A terminally deprecated method in java.lang.System has been called
WARNING: System::setSecurityManager has been called by org.sonar.process.PluginSecurityManager (file:/C:/Program%20Files
/sonarqube-10.7.0.96327/lib/sonar-application-10.7.0.96327.jar)
WARNING: Please consider reporting this to the maintainers of org.sonar.process.PluginSecurityManager
WARNING: System::setSecurityManager will be removed in a future release
2024.10.07 21:15:04 INFO  app[][o.s.a.SchedulerImpl] Process[web] is up
2024.10.07 21:15:04 INFO  app[][o.s.a.ProcessLauncherImpl] Launch process[COMPUTE_ENGINE] from [C:\Program Files\sonarqu
be-10.7.0.96327]: C:\Program Files\OpenLogic\jdk-17.0.12.7-hotspot\bin\java -Djava.awt.headless=true -Dfile.encoding=UTF
-8 -Djava.io.tmpdir=C:\Program Files\sonarqube-10.7.0.96327\temp -XX:-OmitStackTraceInFastThrow --add-opens=java.base/ja
va.util=ALL-UNNAMED --add-exports=java.base/jdk.internal.ref=ALL-UNNAMED --add-opens=java.base/java.lang=ALL-UNNAMED --a
dd-opens=java.base/java.nio=ALL-UNNAMED --add-opens=java.base/sun.nio.ch=ALL-UNNAMED --add-opens=java.management/sun.man
agement=ALL-UNNAMED --add-opens=jdk.management/com.sun.management.internal=ALL-UNNAMED -Xmx512m -Xms128m -XX:+HeapDumpOn
OutOfMemoryError -Dhttp.nonProxyHosts=localhost|127.*|[::1] -cp ./lib/sonar-application-10.7.0.96327.jar;C:\Program File
s\sonarqube-10.7.0.96327\lib\jdbc\h2\h2-2.2.224.jar org.sonar.ce.app.CeServer C:\Program Files\sonarqube-10.7.0.96327\te
mp\sq-process16549977733649395237properties
2024.10.07 21:15:05 WARN  app[][startup] ######################################################################################
####################################
2024.10.07 21:15:05 WARN  app[][startup] Default Administrator credentials are still being used. Make sure to change the
 password or deactivate the account.
2024.10.07 21:15:05 WARN  app[][startup] ######################################################################################
####################################
WARNING: A terminally deprecated method in java.lang.System has been called
WARNING: System::setSecurityManager has been called by org.sonar.process.PluginSecurityManager (file:/C:/Program%20Files
/sonarqube-10.7.0.96327/lib/sonar-application-10.7.0.96327.jar)
WARNING: Please consider reporting this to the maintainers of org.sonar.process.PluginSecurityManager
WARNING: System::setSecurityManager will be removed in a future release
2024.10.07 21:15:09 INFO  app[][o.s.a.SchedulerImpl] Process[ce] is up
2024.10.07 21:15:09 INFO  app[][o.s.a.SchedulerImpl] SonarQube is operational
```

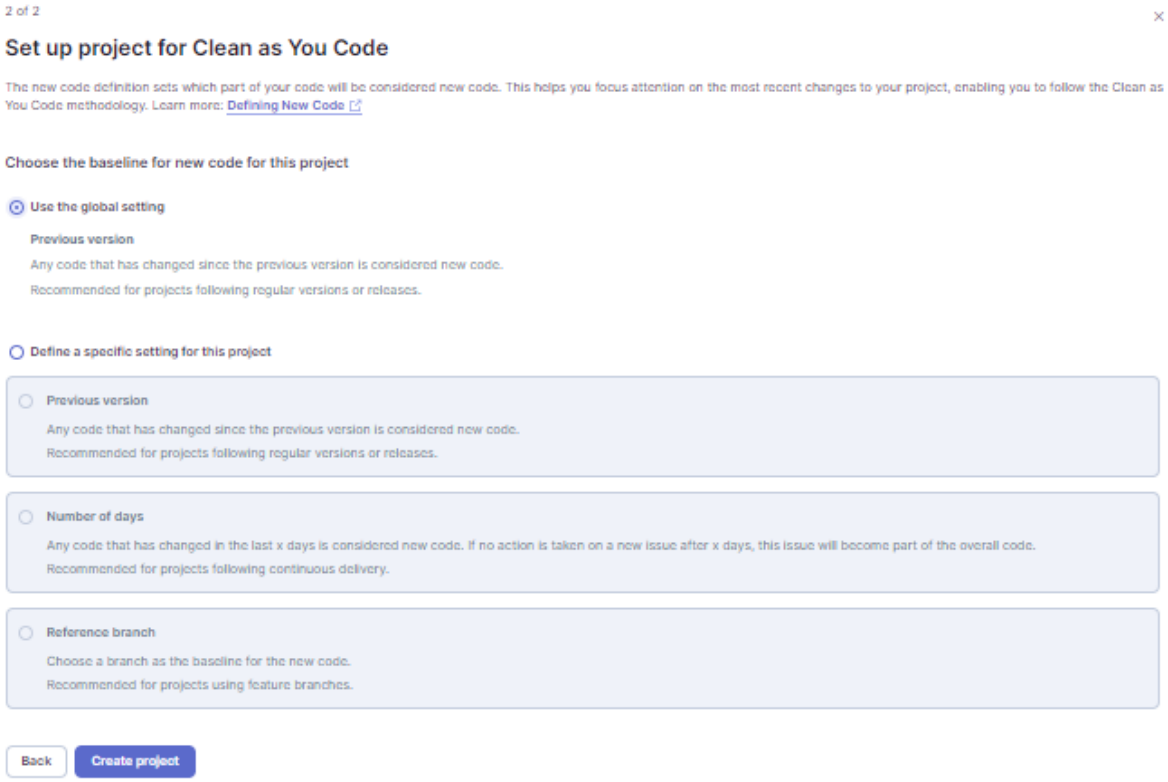
Step 4:- Go to http://localhost:9000 and login to Sonarqube



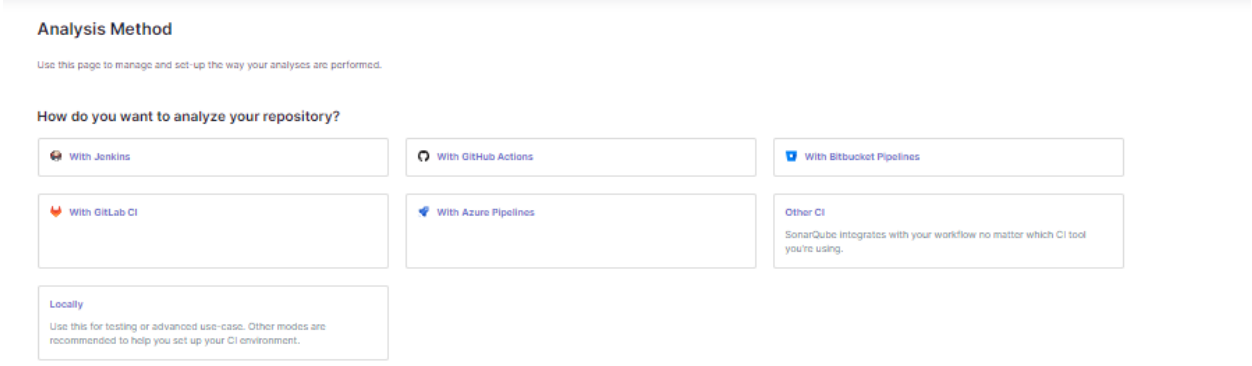
Step 5 :- Create A Local Project.



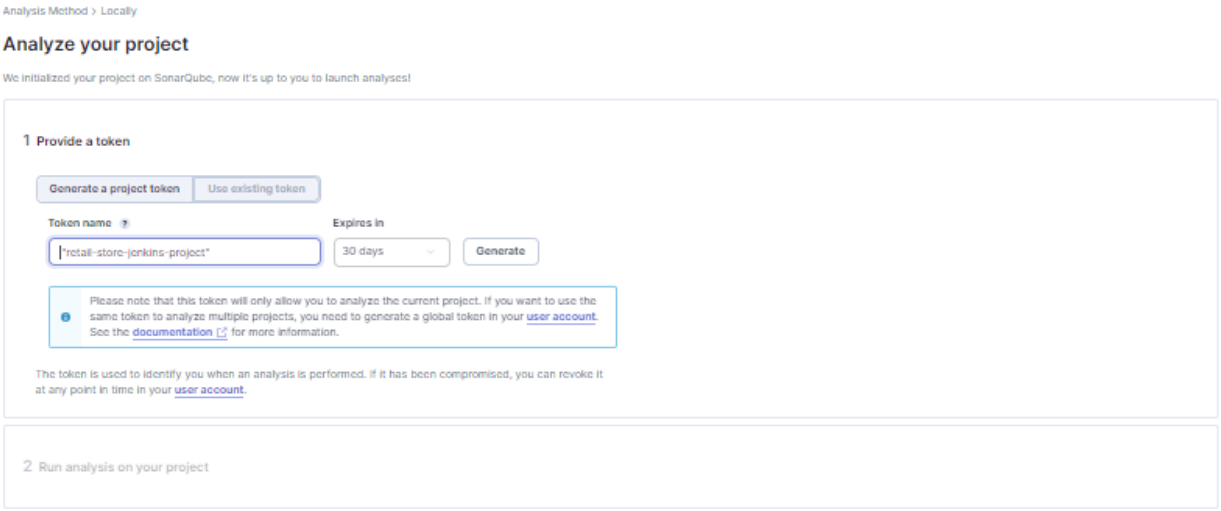
Step 6 :- Choose Global Setting As Baseline



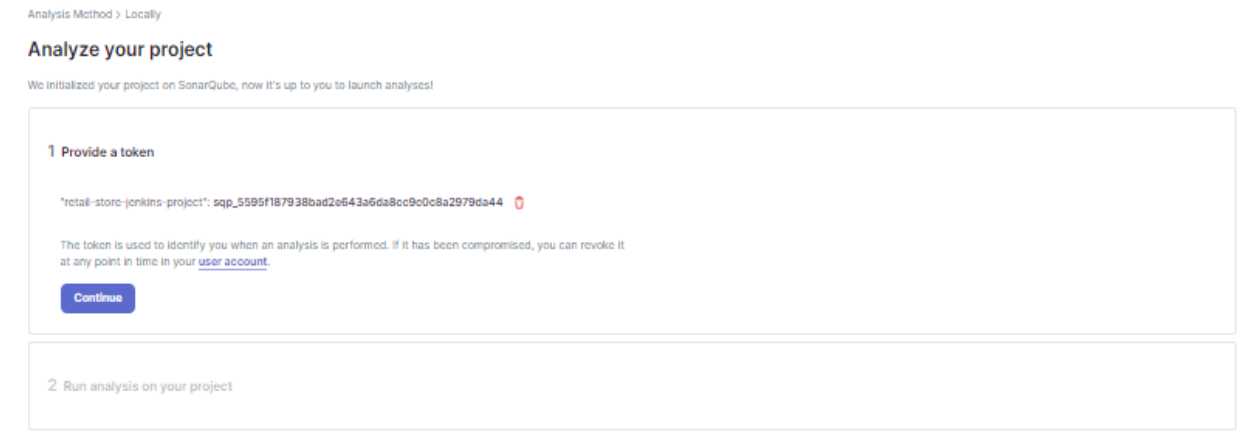
Step 7 :- Now Select Analysis Method As Locally



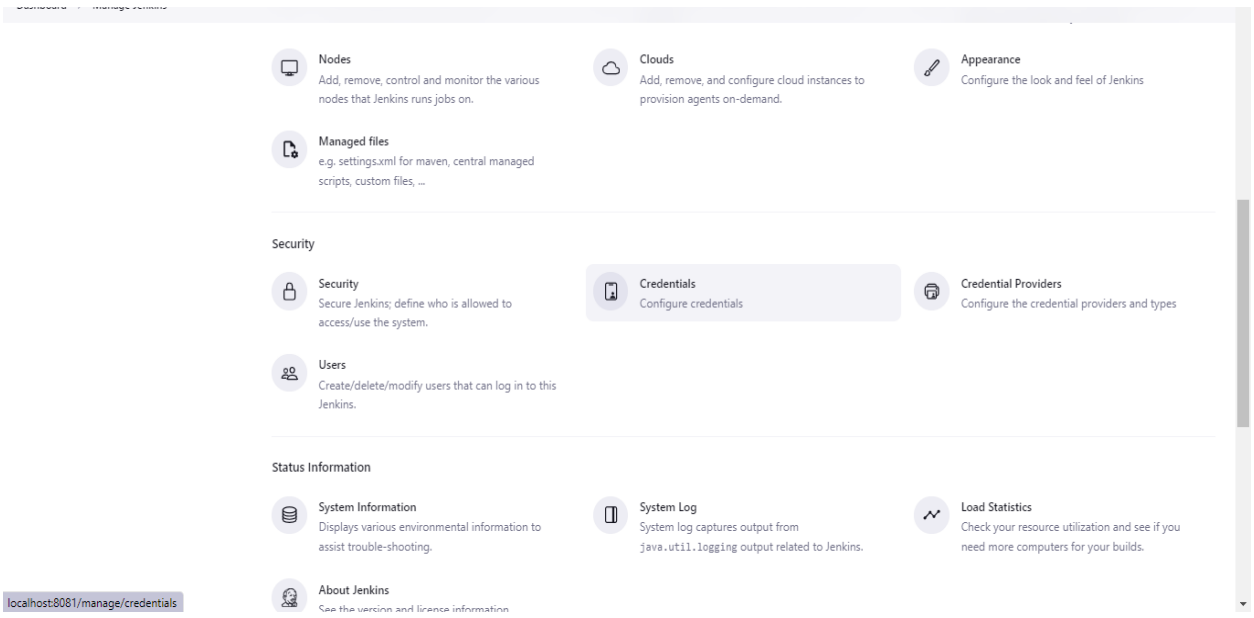
Step 8 :- Generate Token



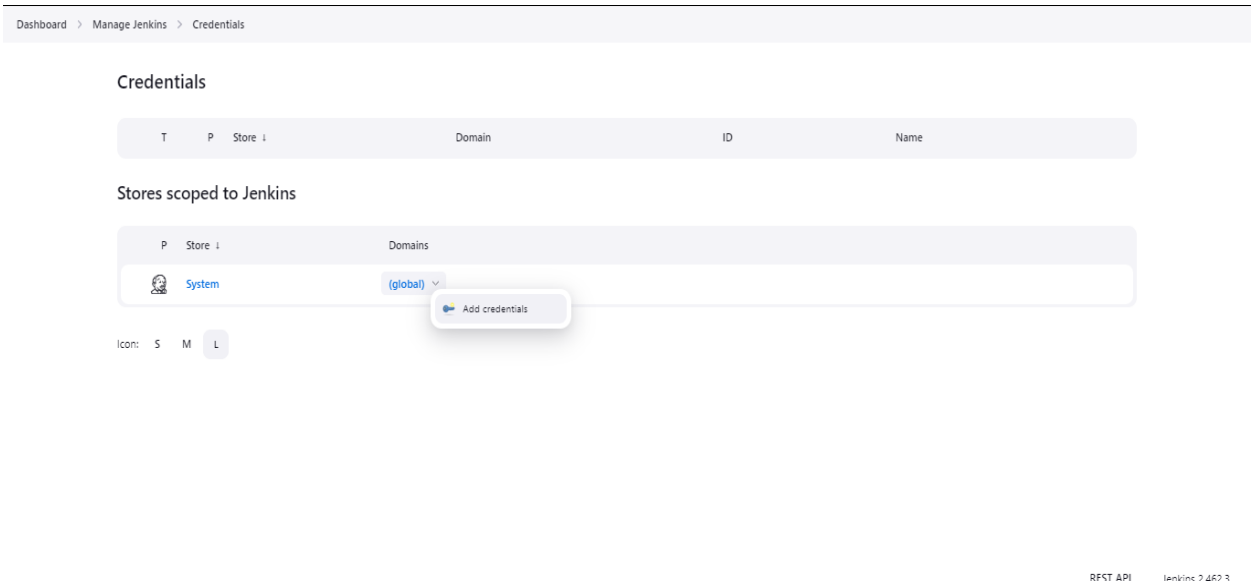
Step 9 :- After Generating Token Continue



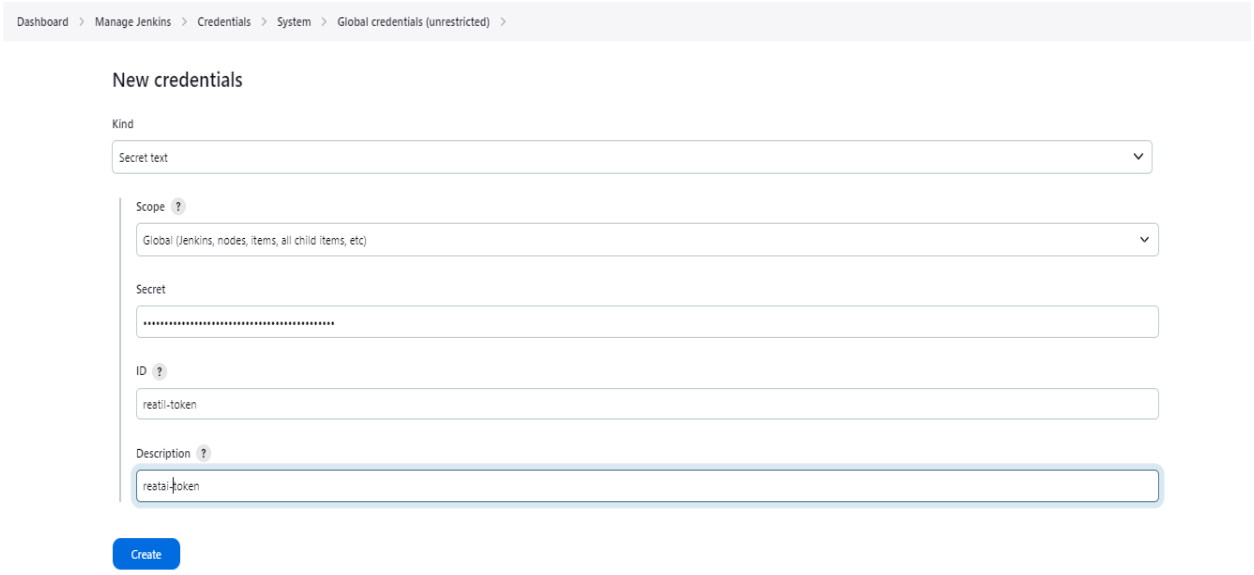
Step 10 :- Now In Jenkins Go To Manage Jenkins/Credential :-



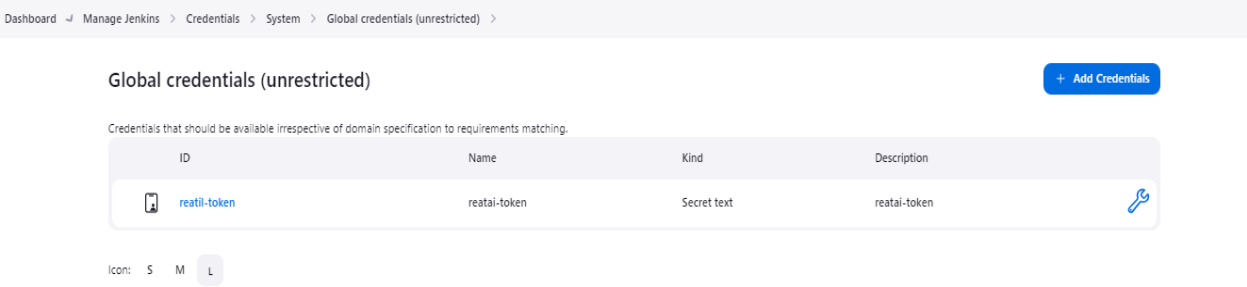
Step 11 :- Now Go To Add Credential



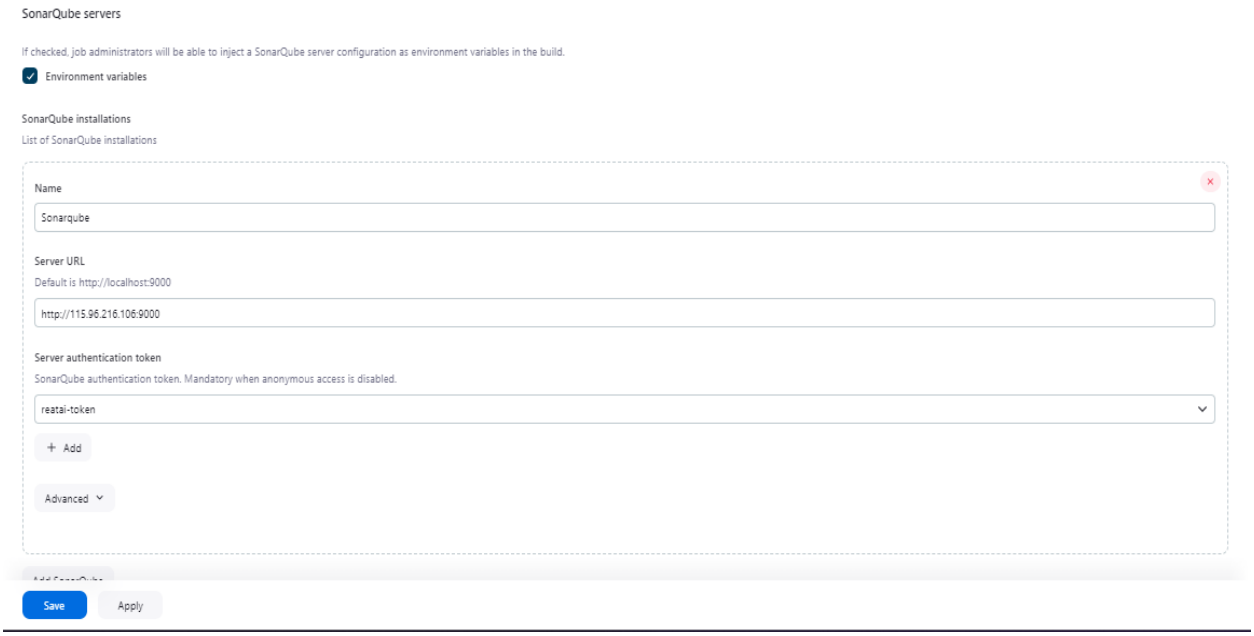
Step 12 :- Now Select “Kind” as Secret Text and Enter Your Token



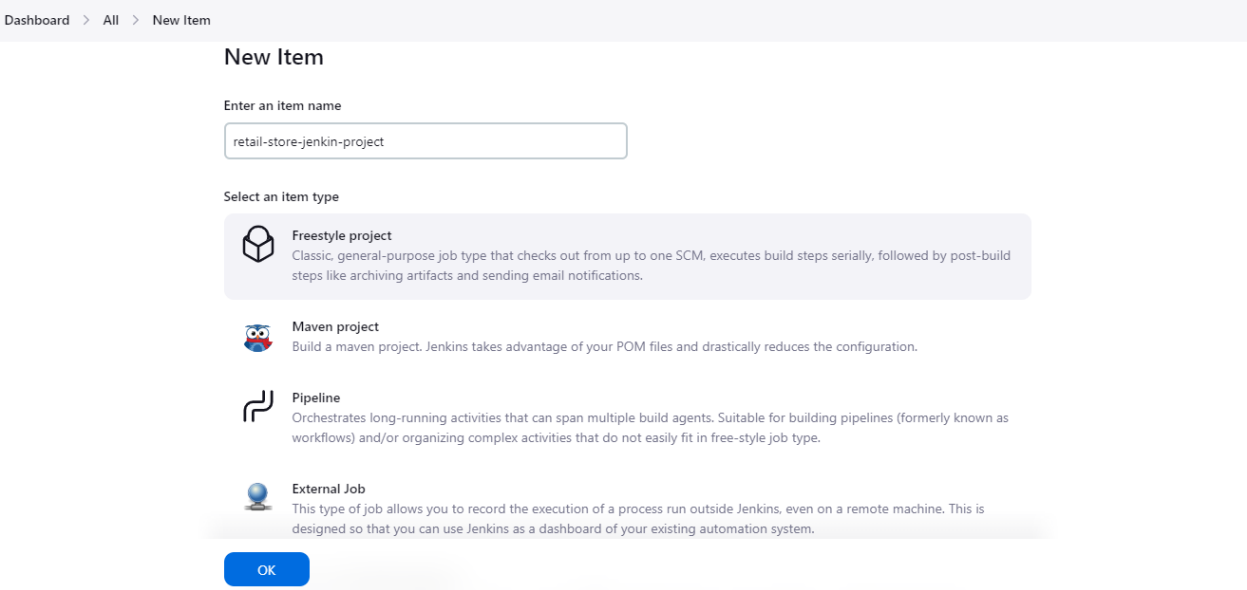
Step 13 :- Now You can see that Your Credential Is Created



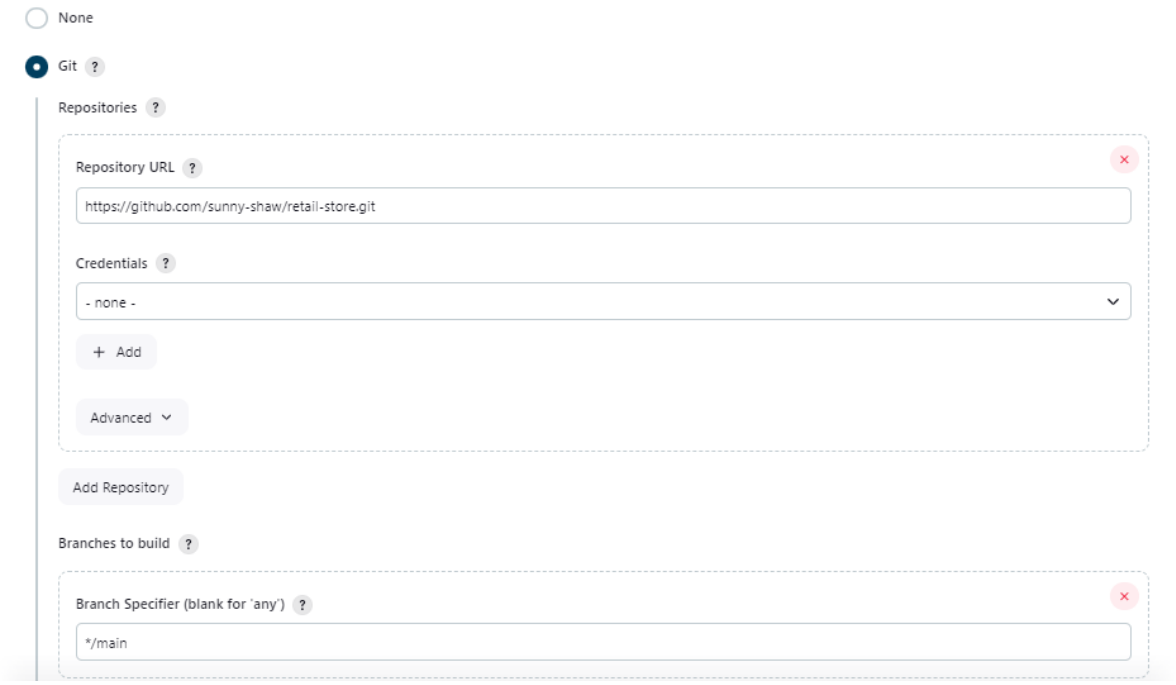
Step 14 :- Go To Manage Jenkins/System/Sonarqube Server



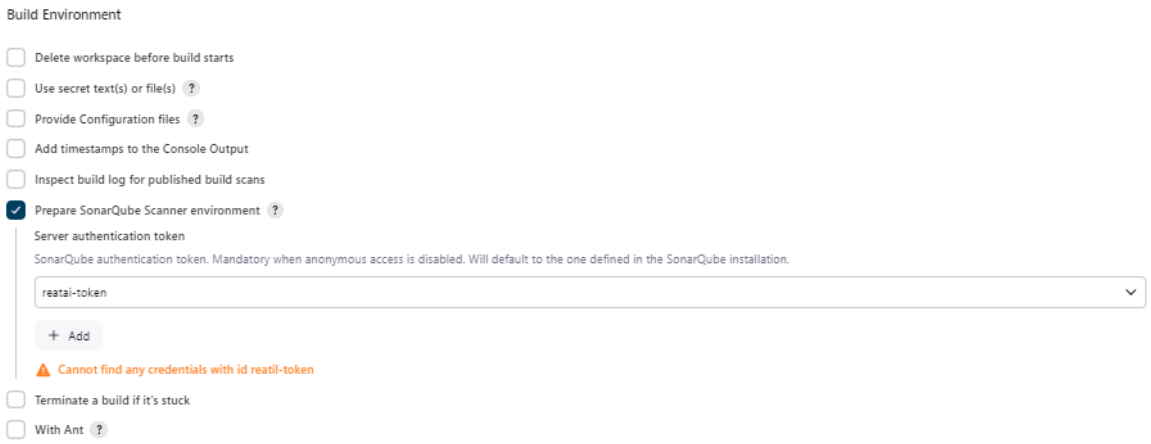
Step 15 :- Create A New Project



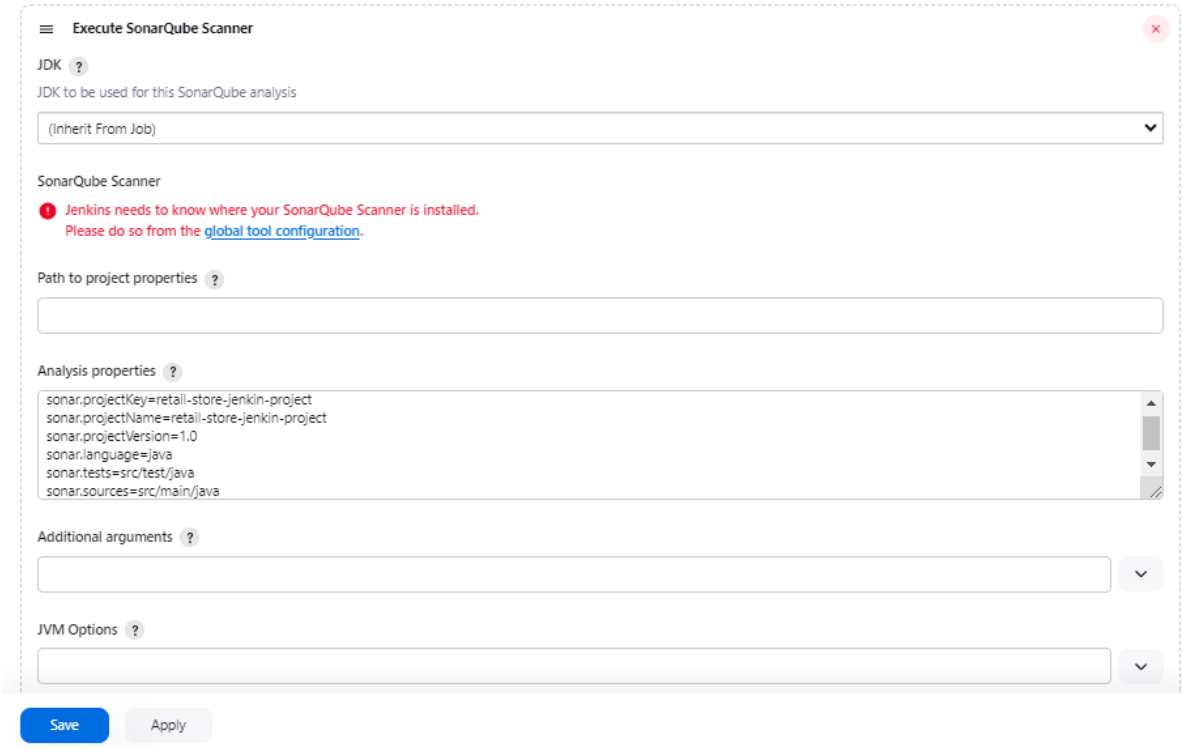
Step 16 :- Add Your Git Repository



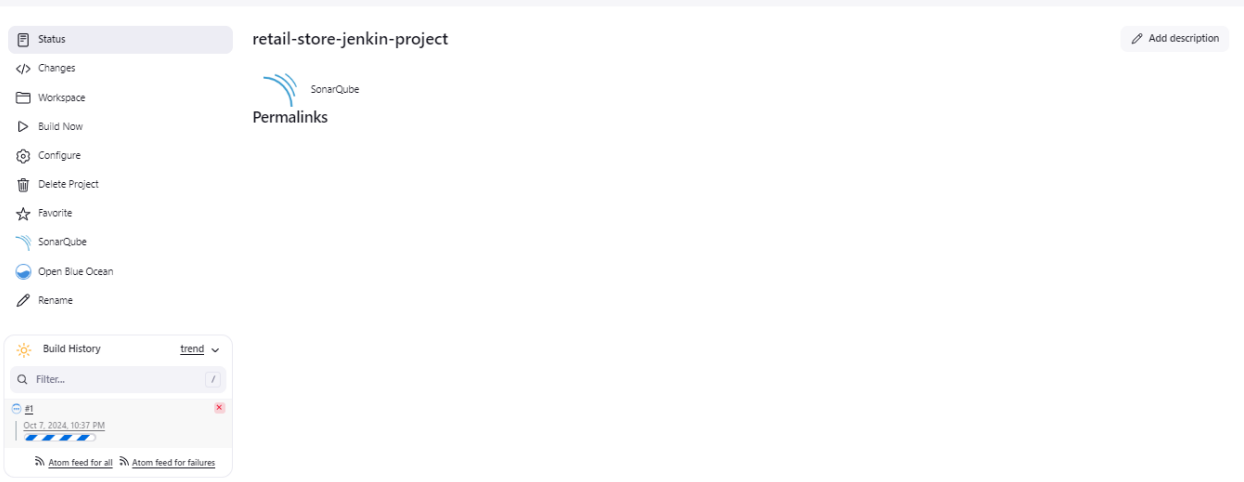
Step 17 :- In Build Environment Selecet Prepare Sonarqube Scanner Environment and enter your Token



Step 18 :- In Execute Sonar Scanner Add Your Analysis Properties



Step 19 :- Click On Build Now



Step 20 :- Console Output

Console Output

```
cannot find the file specified
        at java.base/java.lang.ProcessBuilder.start(ProcessBuilder.java:1143)
        at java.base/java.lang.ProcessBuilder.start(ProcessBuilder.java:1073)
        at hudson.Proc$LocalProc.<init>(Proc.java:252)
        at hudson.Proc$LocalProc.<init>(Proc.java:221)
        at hudson.Launcher$LocalLauncher.launch(Launcher.java:994)
        at hudson.Launcher$ProcStarter.start(Launcher.java:506)
        at hudson.Launcher$ProcStarter.join(Launcher.java:517)
        at PluginClassLoader for sonar//hudson.plugins.sonar.SonarRunnerBuilder.executeSonarQubeScanner(SonarRunnerBuilder.java:300)
        at PluginClassLoader for sonar//hudson.plugins.sonar.SonarRunnerBuilder.perform(SonarRunnerBuilder.java:271)
        at PluginClassLoader for sonar//hudson.plugins.sonar.SonarRunnerBuilder.perform(SonarRunnerBuilder.java:226)
        at hudson.tasks.BuildStepMonitor$1.perform(BuildStepMonitor.java:20)
        at hudson.model.AbstractBuild$AbstractBuildExecution.perform(AbstractBuild.java:818)
        at hudson.model.Build$BuildExecution.build(Build.java:199)
        at hudson.model.Build$BuildExecution.doRun(Build.java:164)
        at hudson.model.AbstractBuild$AbstractBuildExecution.run(AbstractBuild.java:526)
        at hudson.model.Run.execute(Run.java:1894)
        at hudson.model.FreeStyleBuild.run(FreeStyleBuild.java:44)
        at hudson.model.ResourceController.execute(ResourceController.java:101)
        at hudson.model.Executor.run(Executor.java:446)
Caused by: java.io.IOException: CreateProcess error=2, The system cannot find the file specified
        at java.base/java.lang.ProcessImpl.create(Native Method)
        at java.base/java.lang.ProcessImpl.<init>(ProcessImpl.java:499)
        at java.base/java.lang.ProcessImpl.start(ProcessImpl.java:158)
        at java.base/java.lang.ProcessBuilder.start(ProcessBuilder.java:1110)
        ... 18 more
WARN: Unable to locate 'report-task.txt' in the workspace. Did the SonarScanner succeed?
WARN: Unable to locate 'report-task.txt' in the workspace. Did the SonarScanner succeed?
ERROR: SonarQube scanner exited with non-zero code: -1
Finished: FAILURE
```