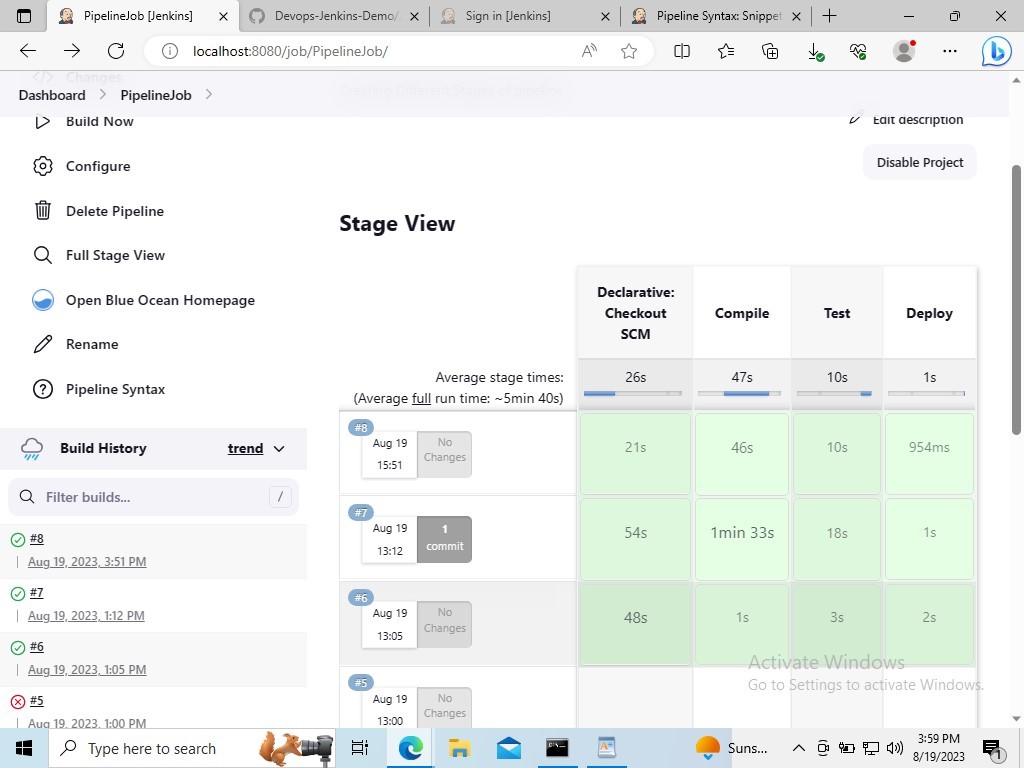
Jenkins – 201

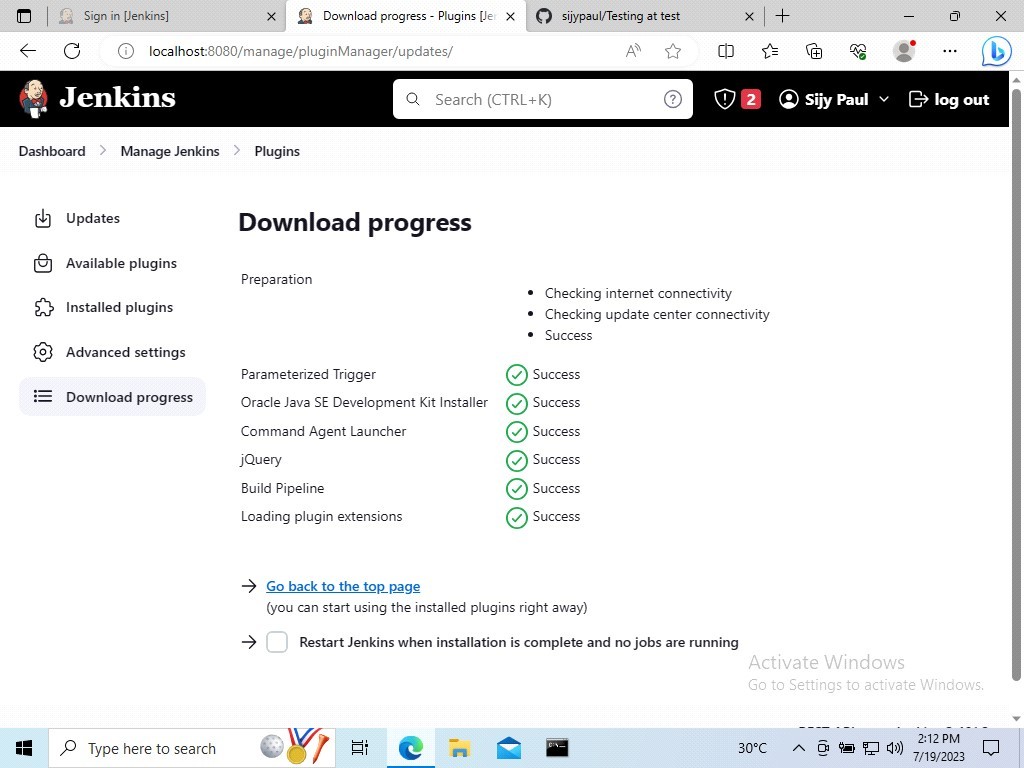
Case Study – Continuous Integration

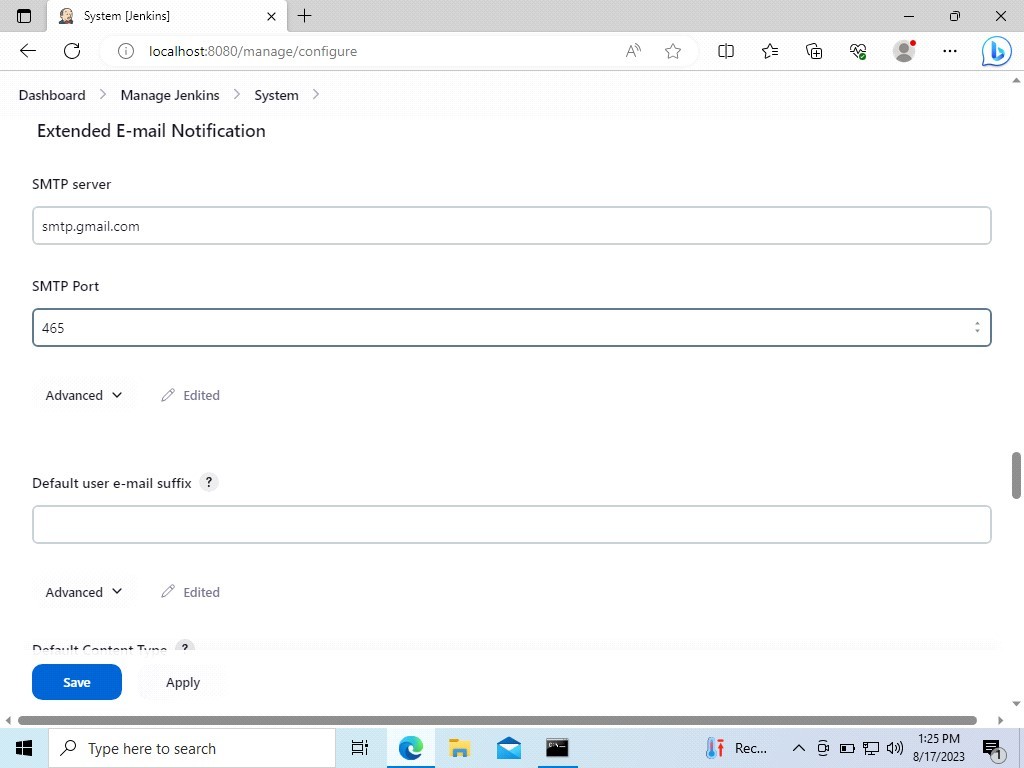
# Goal

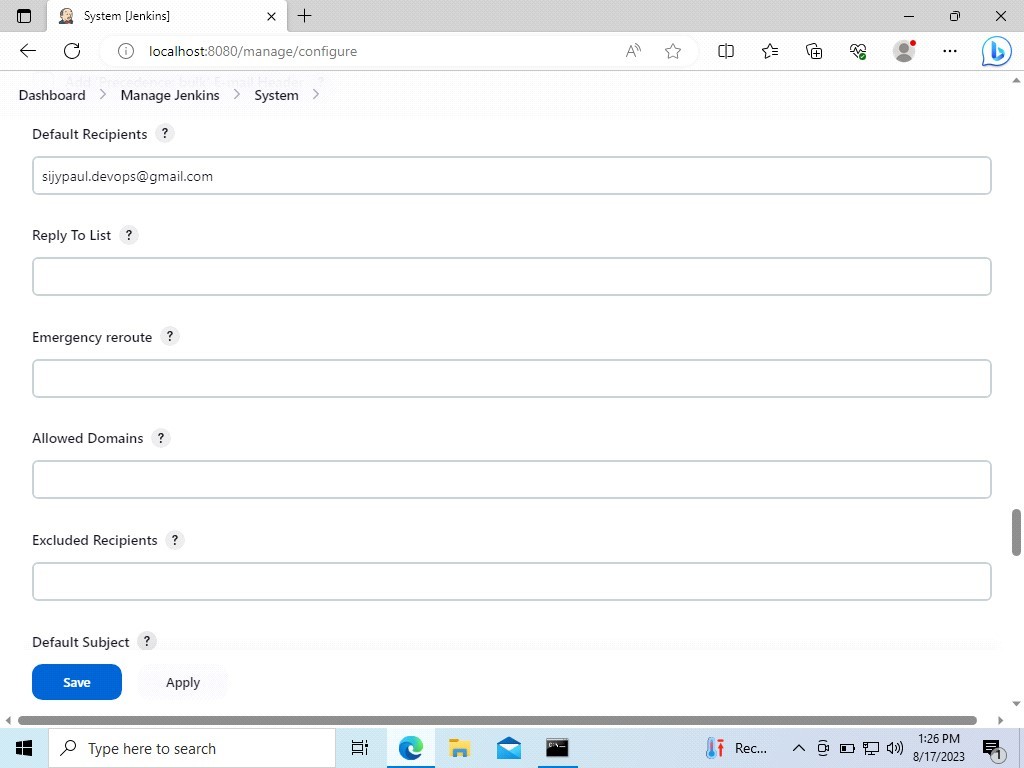
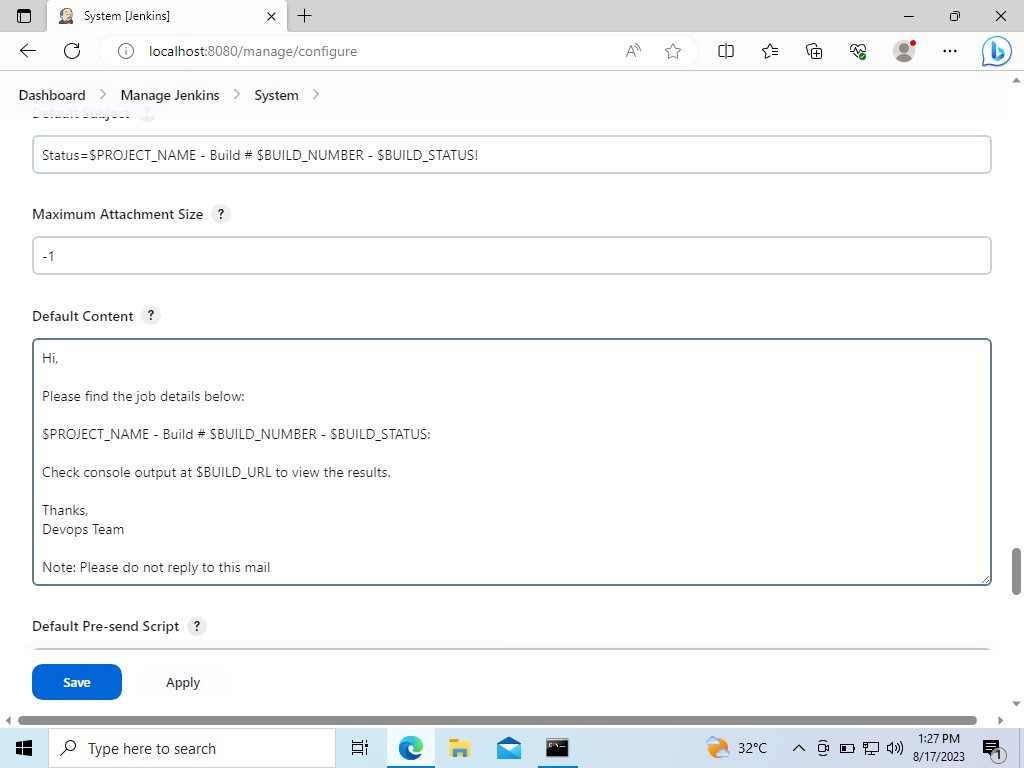
Create a build pipeline job



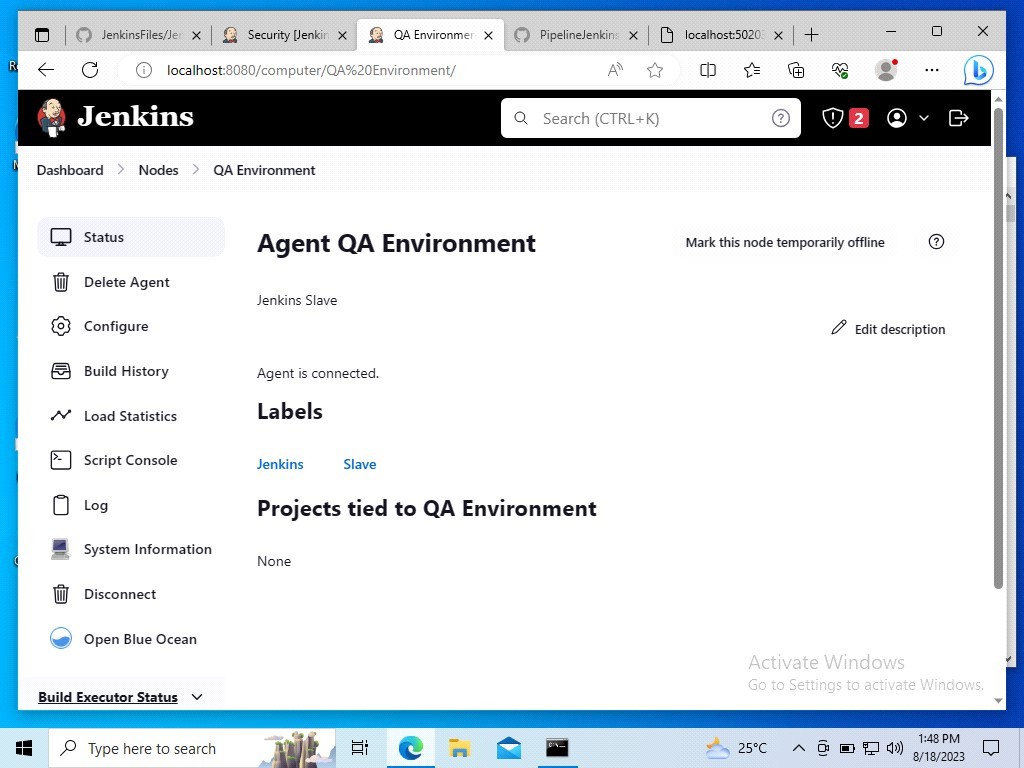
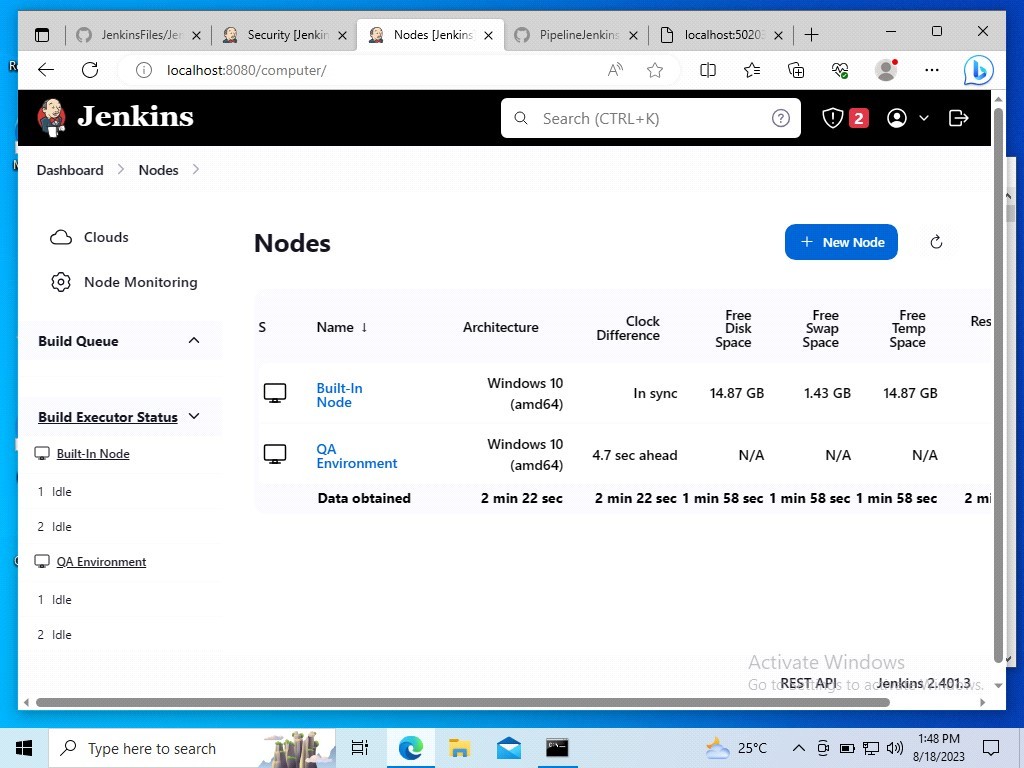
# Details

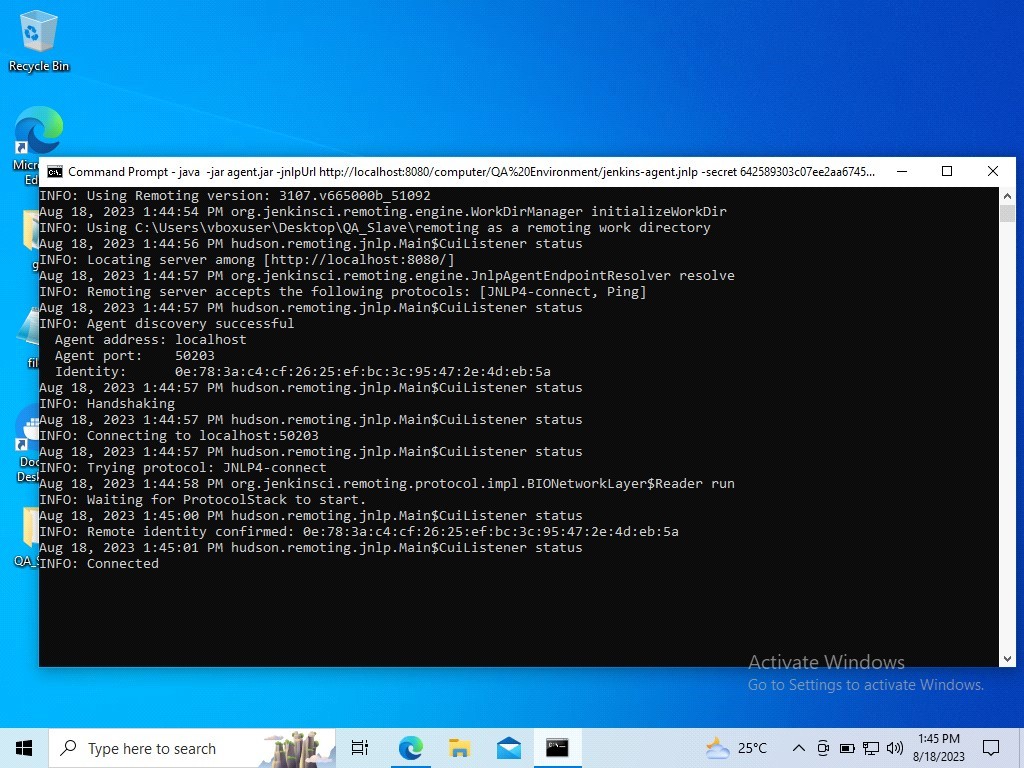
* Install build pipeline plugin
* Configure email with Jenkins

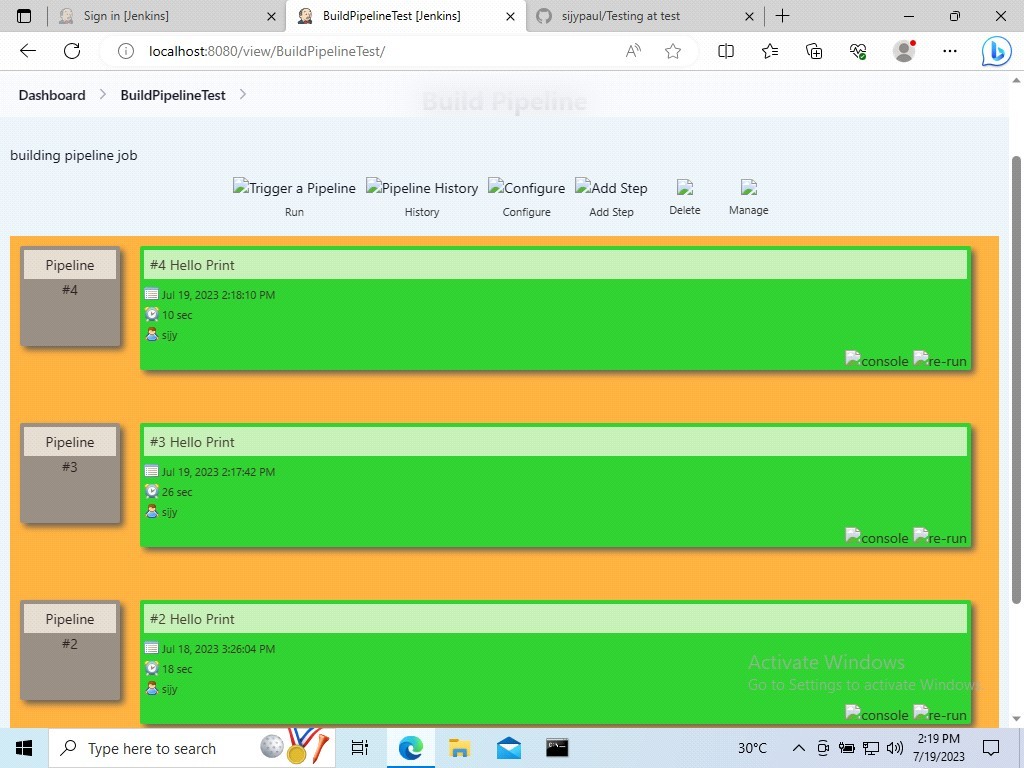


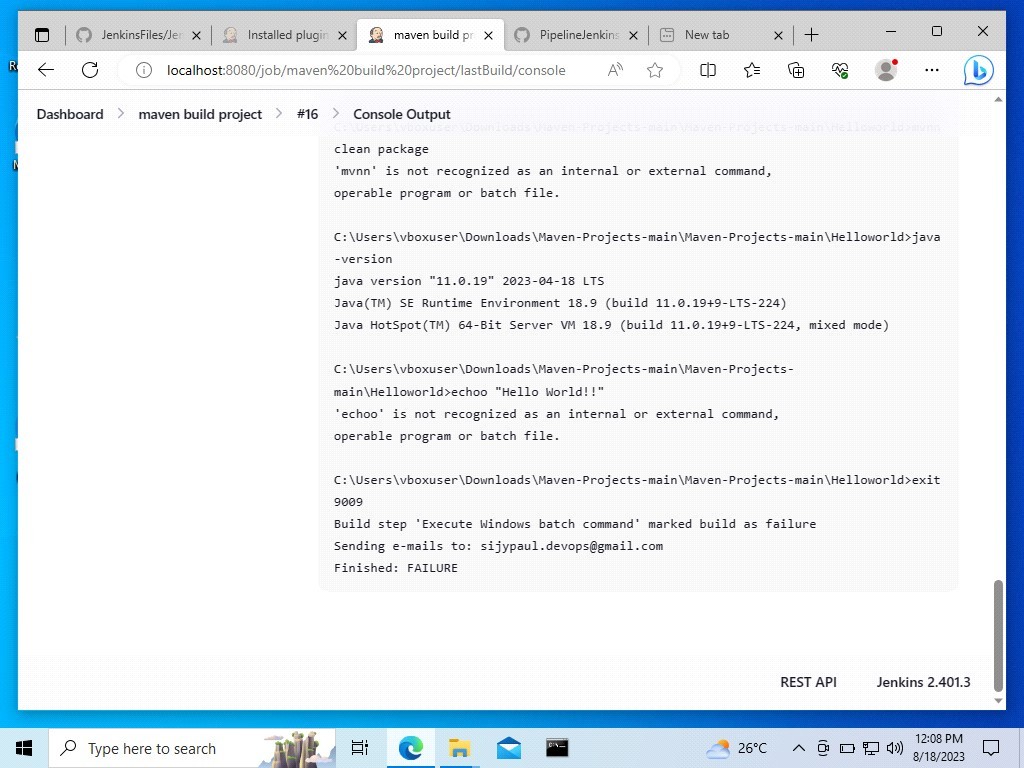
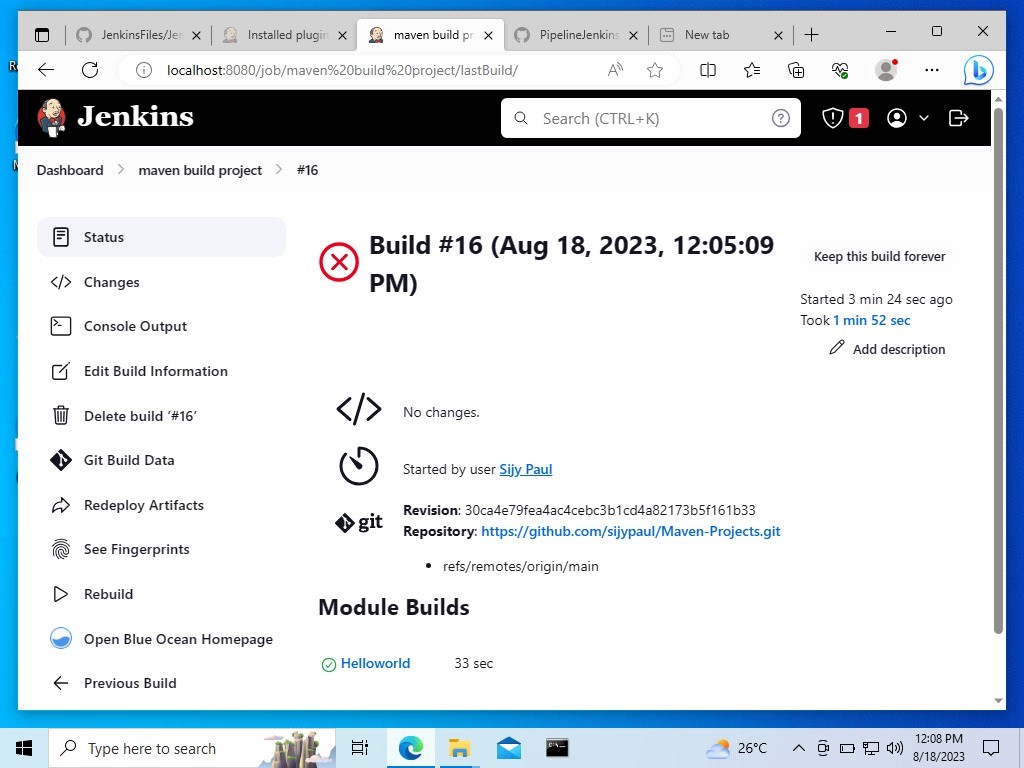


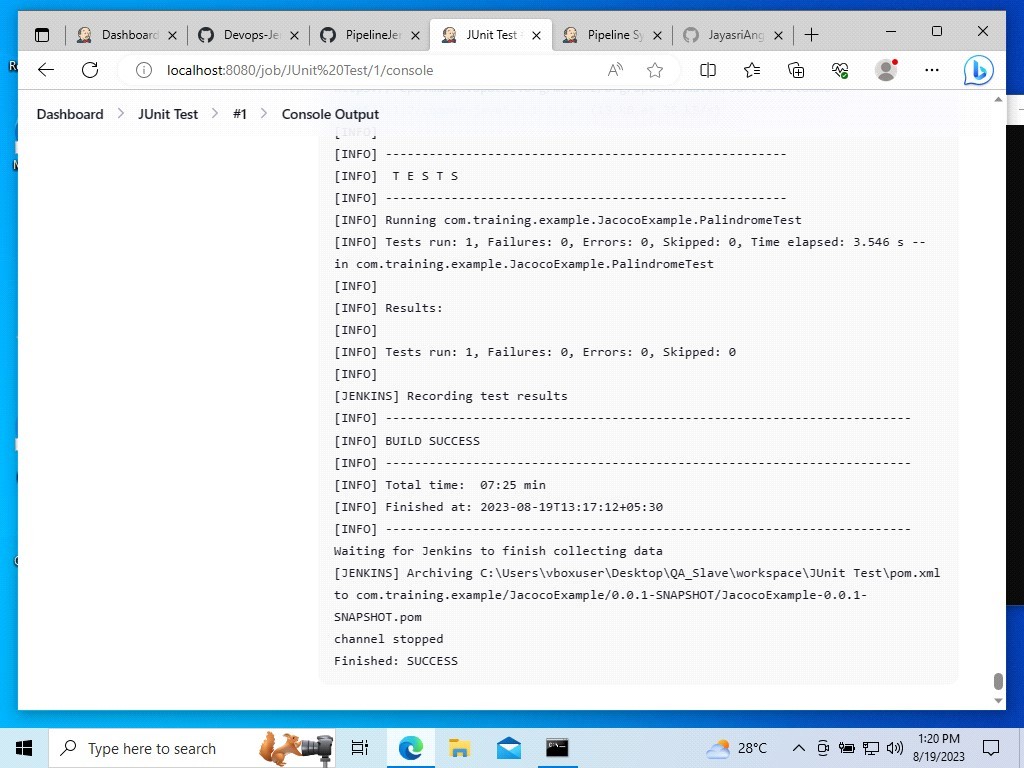
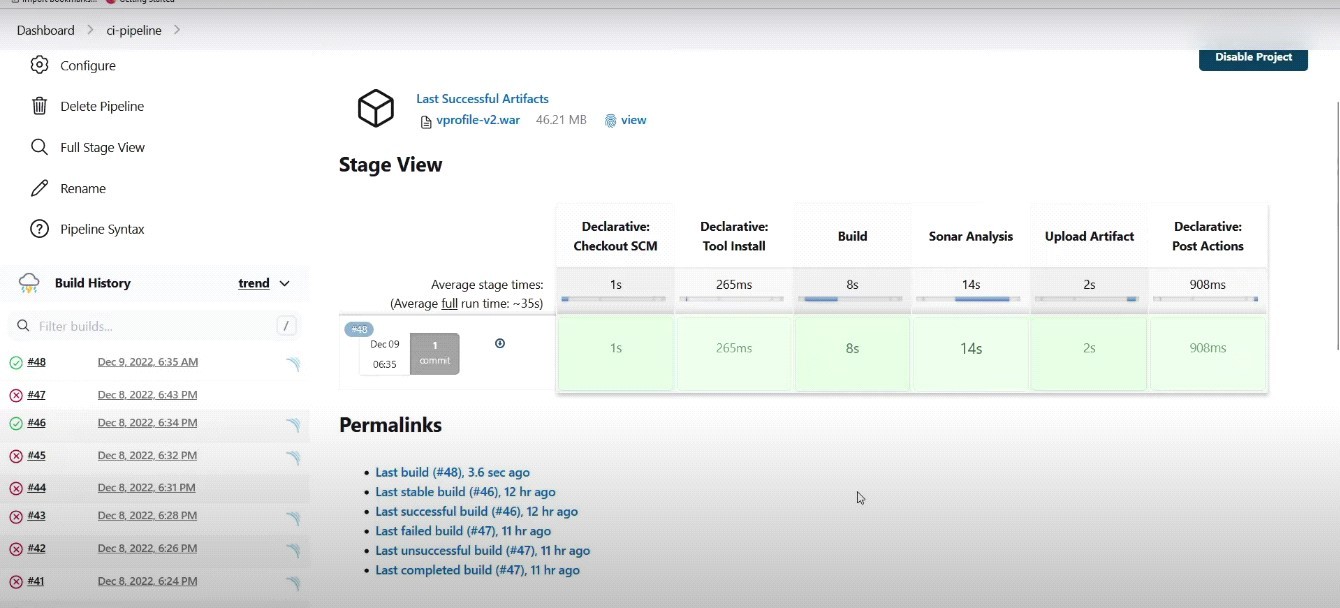
* + Create a slave and call it QA environment

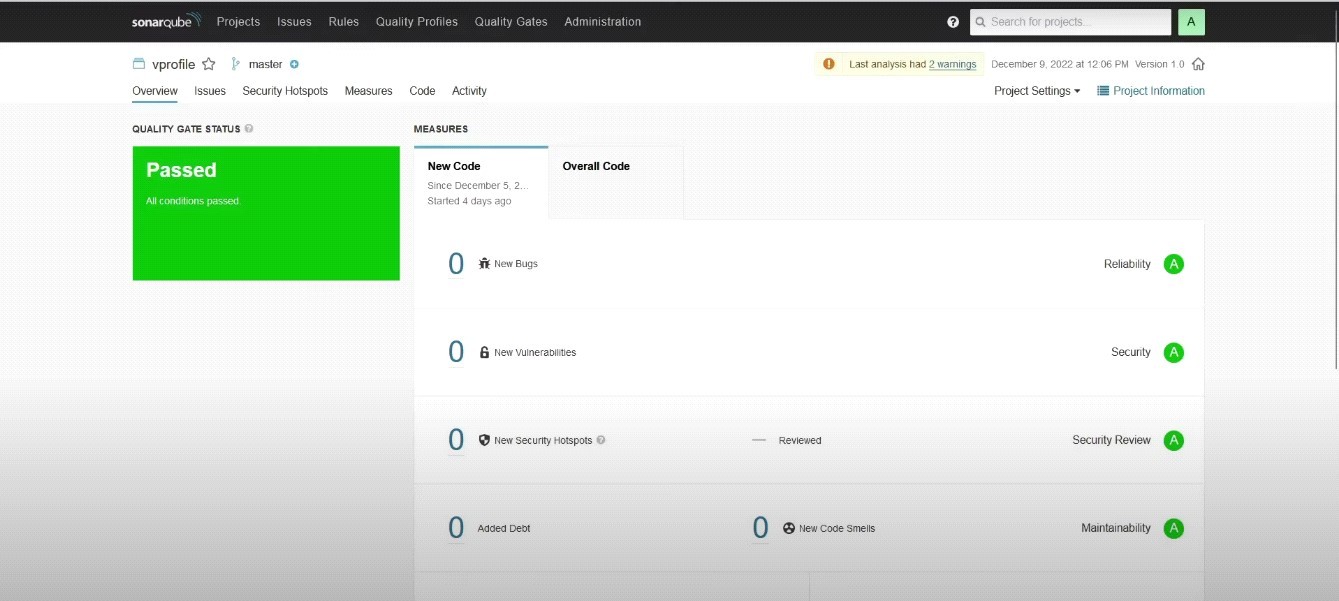


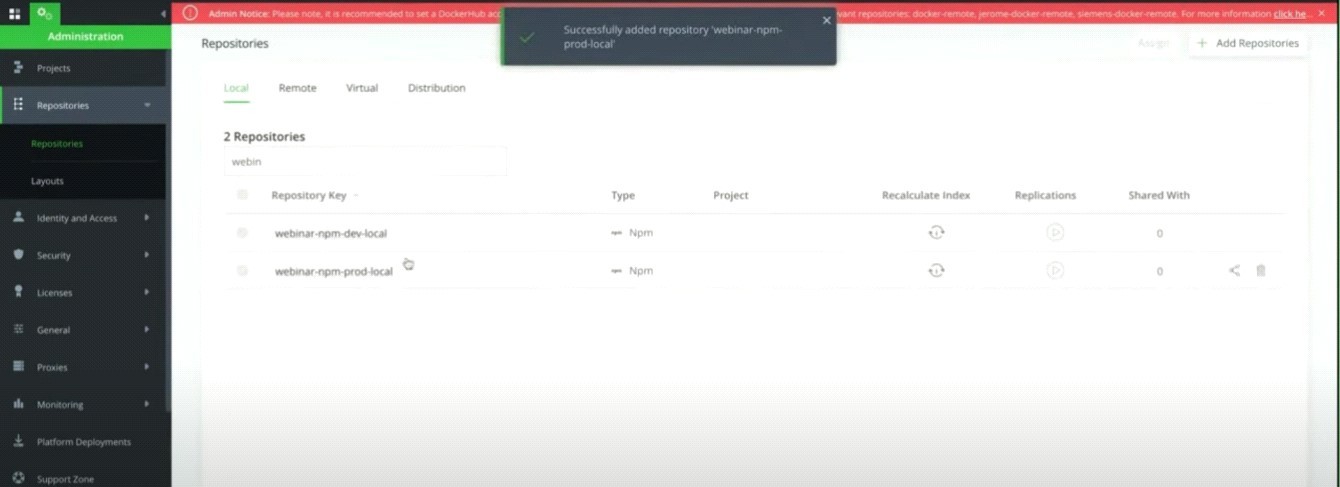


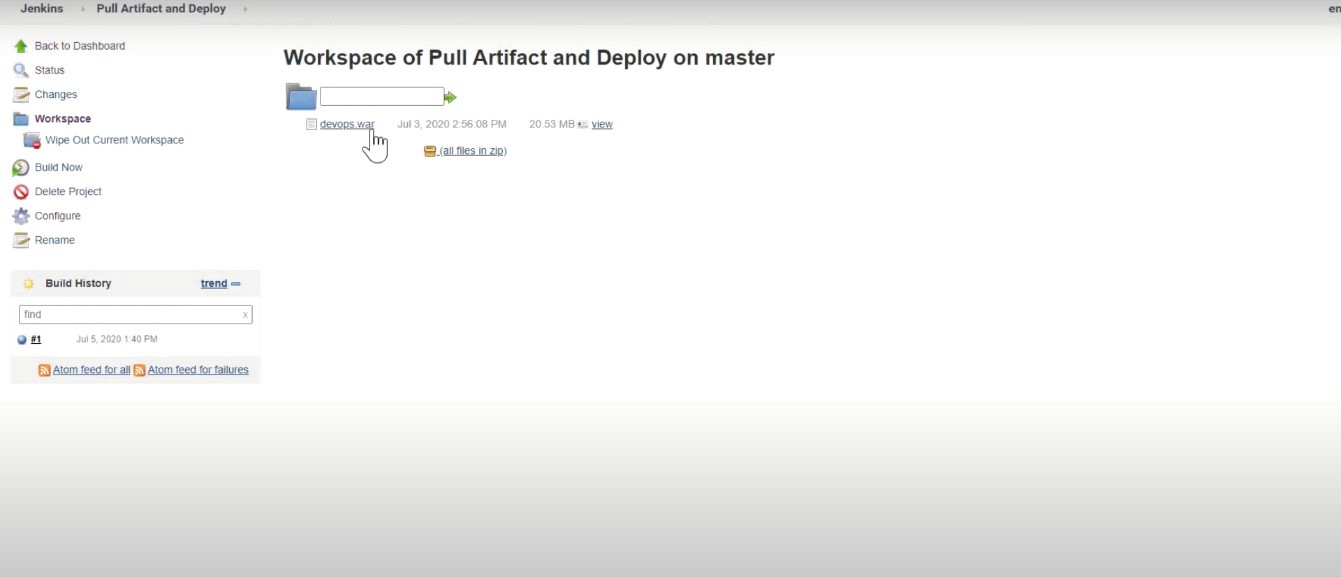
* Create a pipeline job and trigger it when developer commits the code in GIT
* Build the code using Maven/Ant and send the notification to developer in case of build fail

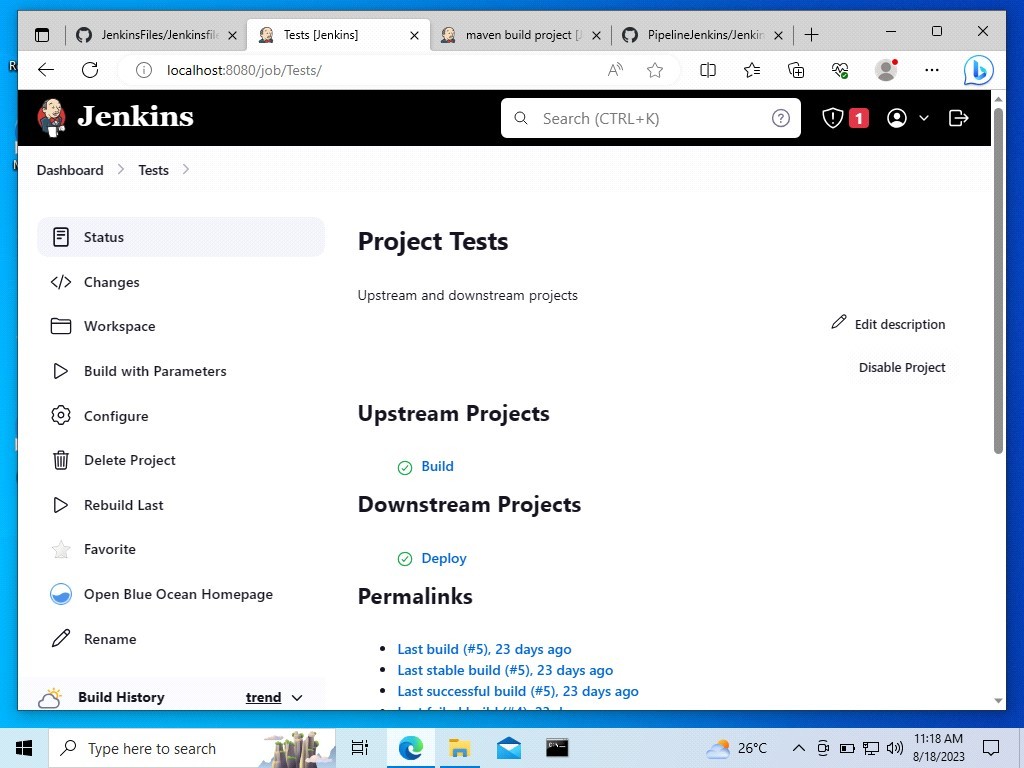


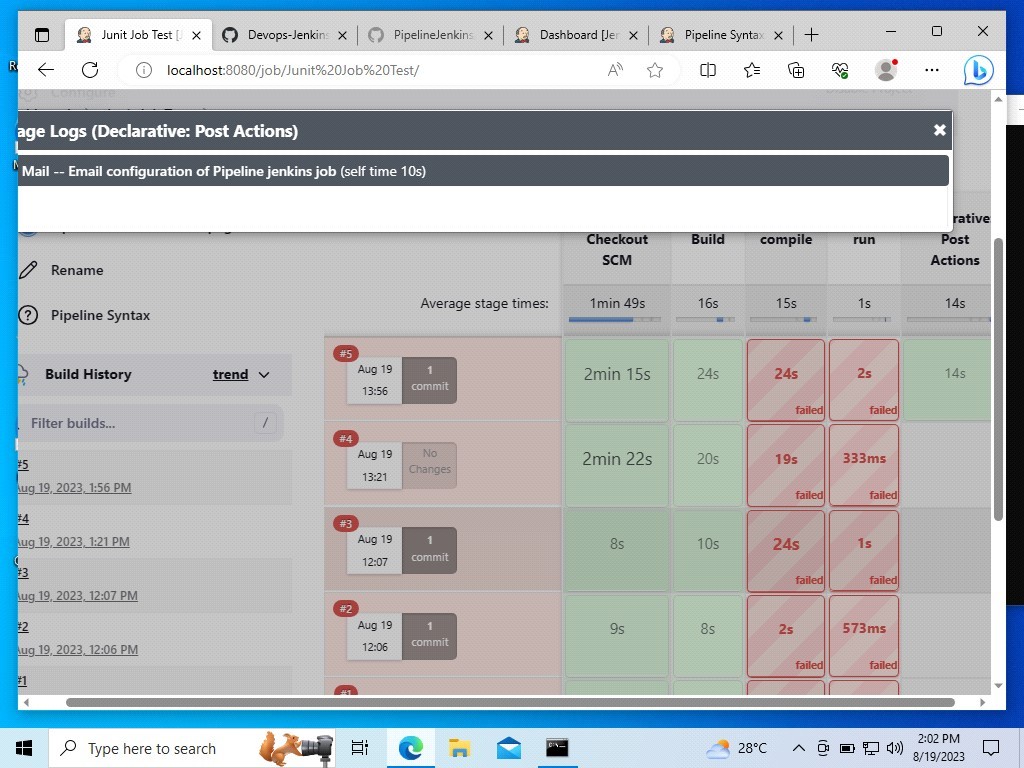
* Unit test the code using Junit
* Do static code analysis using SonarQube, create quality gate to pass to next environment

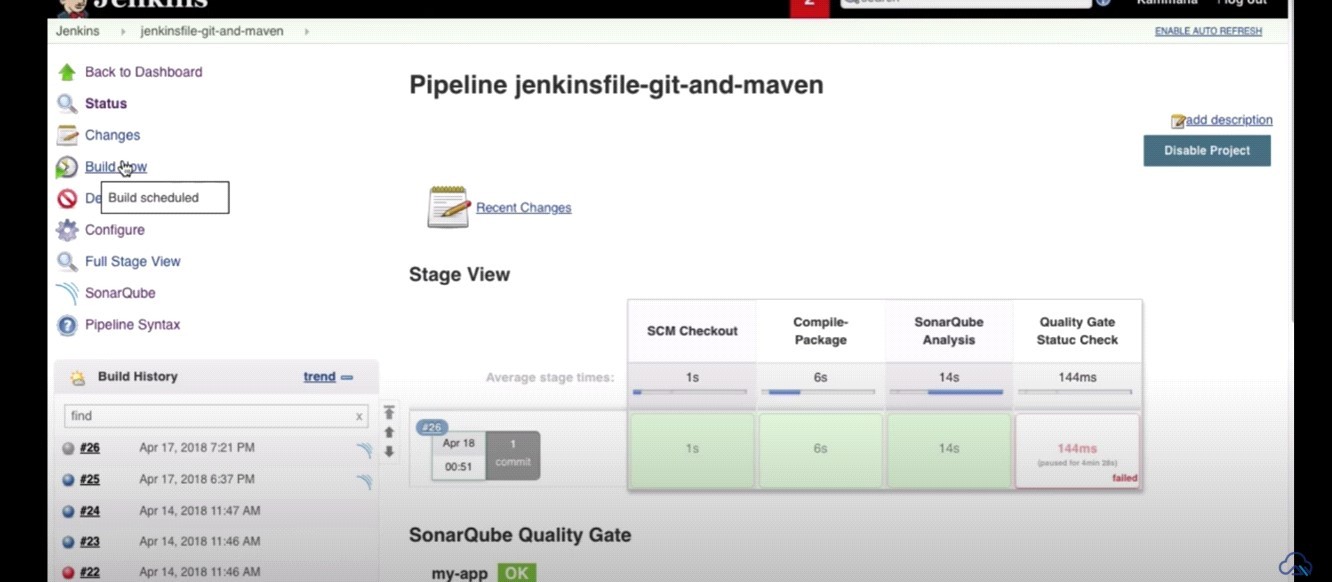


* Create the package and store in Artifactory/Nexus
* Create another job to deploy the code from Artifactory/Nexus to slave QA and host it



* View the status both upstream and downstream job in the dashboard of Jenkins
* Fail the build and check if email is triggered



Fail the quality gate and check if packaging is failed.