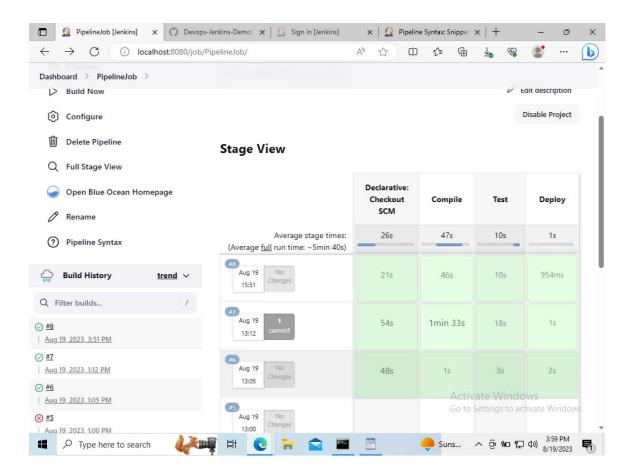
## Jenkins – 201

## Case Study – Continuous Integration

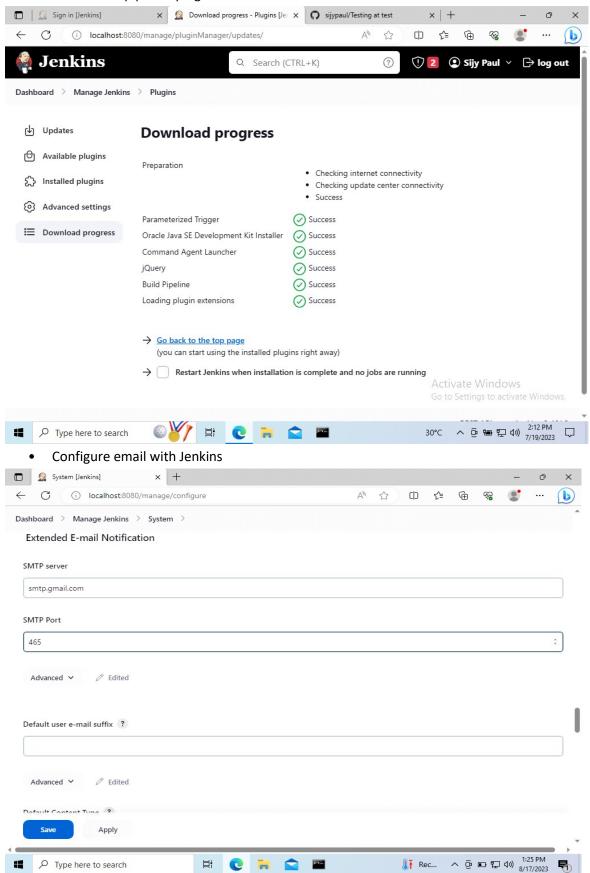
## Goal

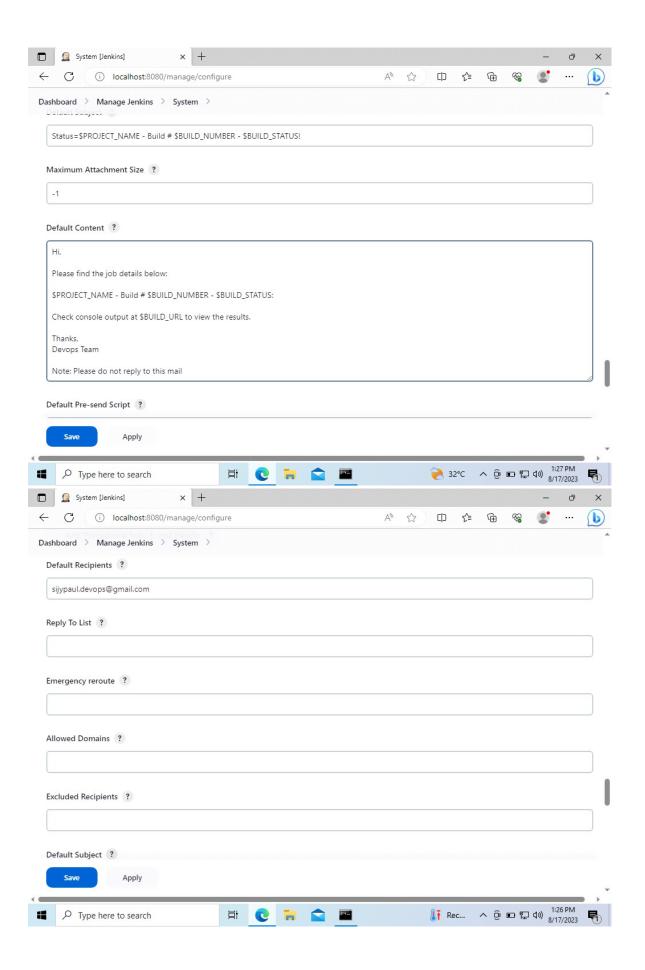
Create a build pipeline job



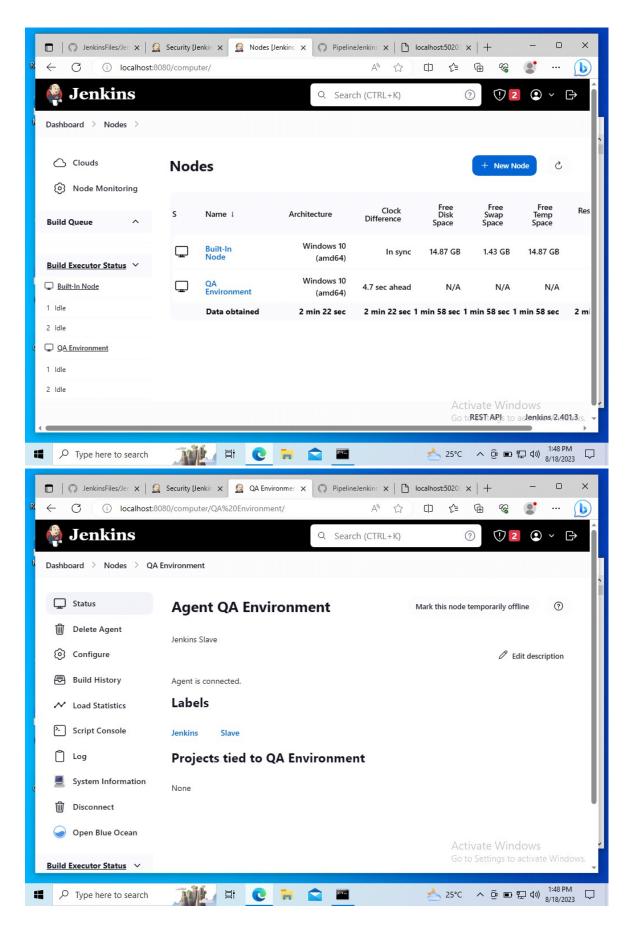
## **Details**

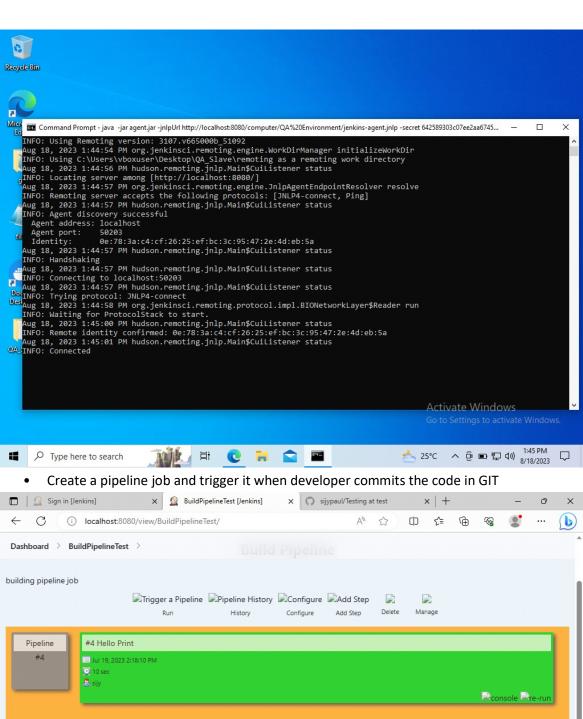
• Install build pipeline plugin

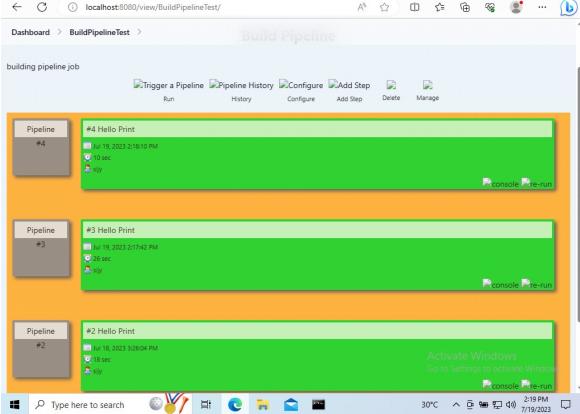




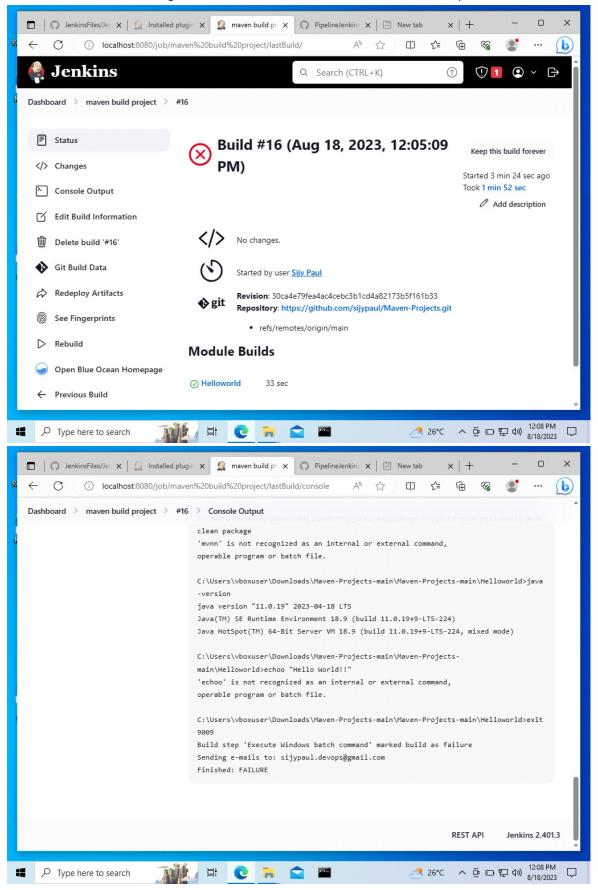
Create a slave and call it QA environment



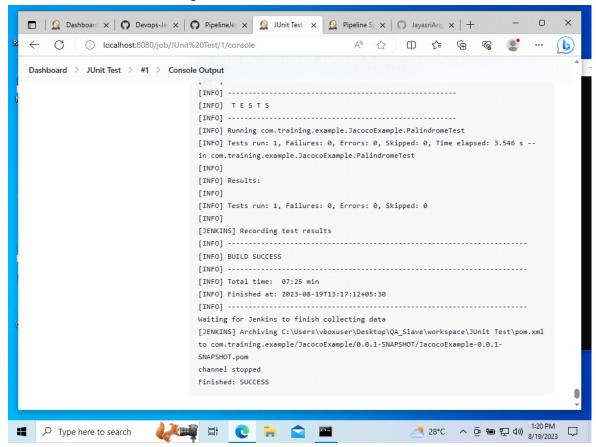




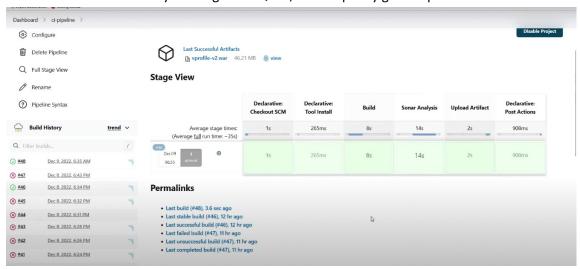
Build the code using Maven/Ant and send the notification to developer in case of build fail

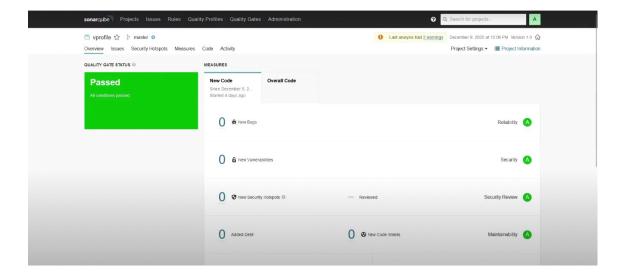


• Unit test the code using Junit

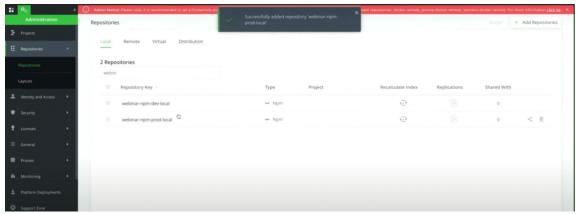


• Do static code analysis using SonarQube, create quality gate to pass to next environment

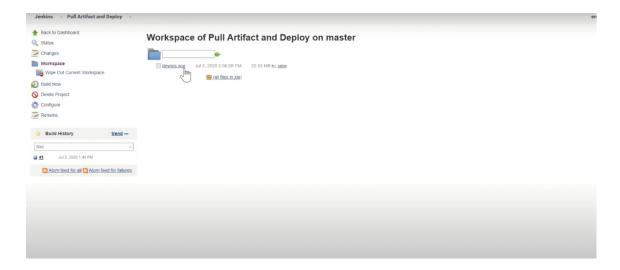




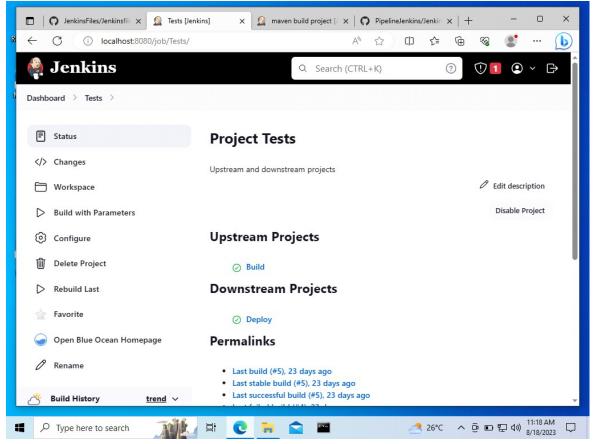
• Create the package and store in Artifactory/Nexus



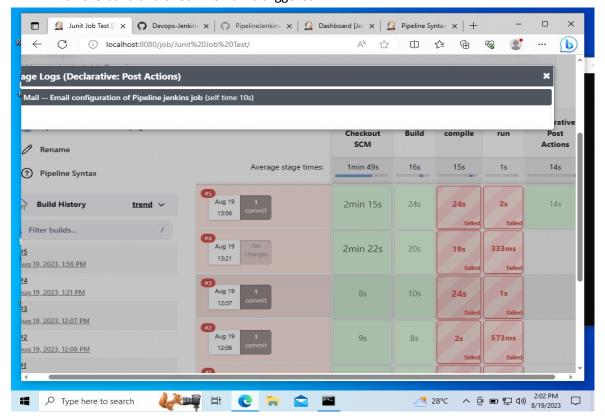
• Create another job to deploy the code from Artifactory/Nexus to slave QA and host it



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.

