CLASSEC Development

# 

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# Story

# Jenkins configuration with Classec - This story related to adding Jenkins functionality to Classec application .

# Tasks

**Setup Jenkins on openstack instance –**

To complete this task exploration on jenkins , Docker was needed . after that I setup instance on openstack with centos7. on that instance I installed Jenkins .

**Create Docker File for goclassec –**

Before creation of docker file I setup and run whole goclassec application manually on centos instance which was created previously after that docker file created and build it successfully .

**Creation of Jenkins job to build Dockerfile –**

Jenkins job created which will build the docker file . If build successful then it will push this file to private repository .

**Getting python and golang code through single docker file –**

Initially docker file was pulling goclassec code only . through this task I was able to pull both code through single docker file .

**Docker Private Registry Setup –**

After successful build of docker file through jenkins , the image of successful build will be pushed to this repository .

**Triggered build jobs on specific condition -**

This task related to triggering jenkins job whenever new commit happens to repository .

**Manual testing and Resolve Issues –**

It includes the testing of all task working well or not .

# Environment

Centos 7

Jenkins

Docker 1.12.5

# Files added

Dockerfile .

# Files changed

No need to change program (code) file for this task .

# Configuration

One instance(110.110.110.102) created with centos configured on it , Jenkins and Docker setup build on that instance .

# challenges faced

To Access Private Git repo through jenkins job as we have to put build file to private repo .

To pull data from private git through dockerfile by passing username and password in a single command .

# Further comments

Overall goal achieved after completion of this user story .