Jenkins Lab 1

- 1- install jenkins with docker image
- 2- install role based authorization plugin



3- create new user

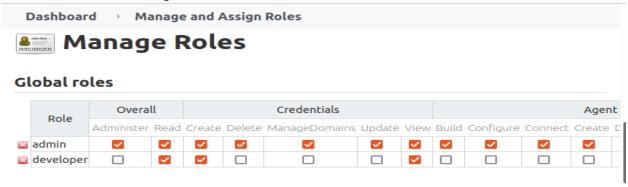


Users

These users can log into Jenkins. This is a sub set of **this list**, which also contains auto-created users who really just made some commits on some projects and have no direct Jenkins access.

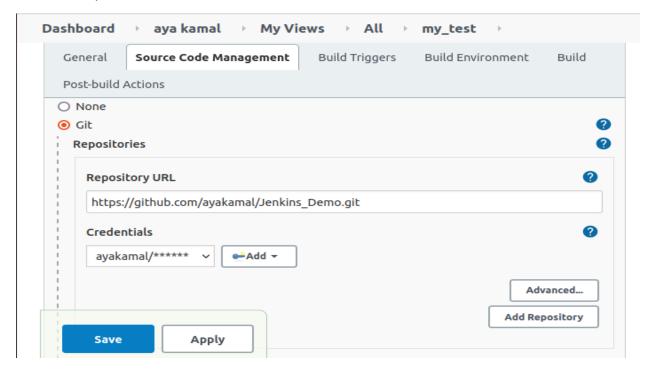
	User ID	Name	
	admin_aya	admin_aya	
&	aya	aya	*

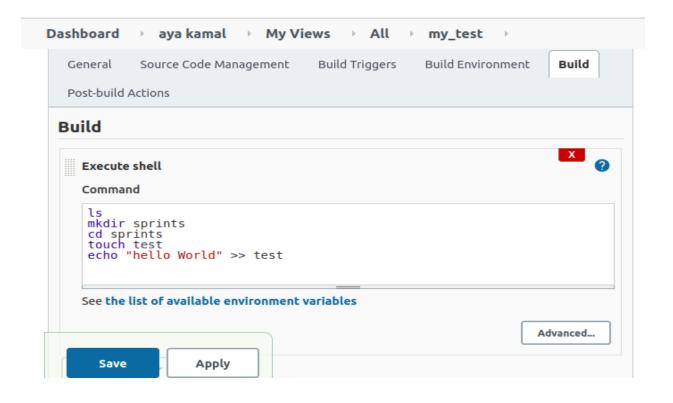
4- create read role and assign it to the new us

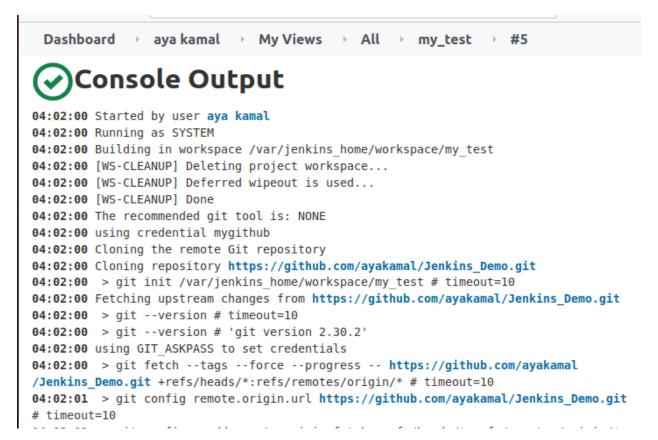




5- create free style pipeline and link it to private git repo(inside it create directory and create file with "hello world")

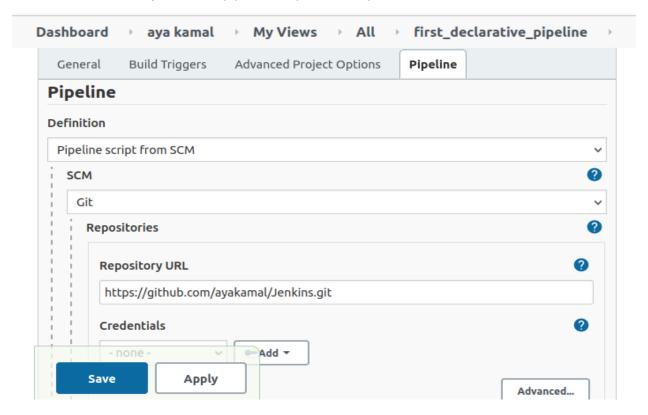


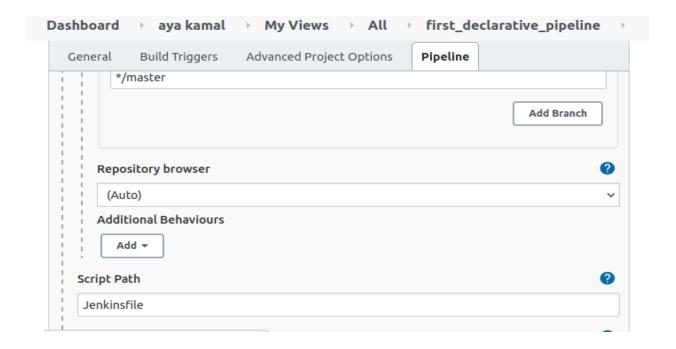




```
Dashboard → aya kamal → My Views → All → my_test
04:02:00 > git fetch --tags --force --progress -- https://github.com/ayakamal
/Jenkins_Demo.git +refs/heads/*:refs/remotes/origin/* # timeout=10
04:02:01 > git config remote.origin.url https://github.com/ayakamal/Jenkins_Demo.git
# timeout=10
04:02:01 > git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/*
# timeout=10
04:02:01 Avoid second fetch
04:02:01 > git rev-parse refs/remotes/origin/master^{commit} # timeout=10
04:02:01 Checking out Revision 9c7e392694282fe69e1afa389bb59fafe534771d (refs/remotes
/origin/master)
04:02:01 > git config core.sparsecheckout # timeout=10
04:02:01 > git checkout -f 9c7e392694282fe69e1afa389bb59fafe534771d # timeout=10
04:02:05 Commit message: "Initial commit"
04:02:05 First time build. Skipping changelog.
04:02:05 [my test] $ /bin/sh -xe /tmp/jenkins15894399312291541654.sh
04:02:05 + ls
04:02:05 README.md
04:02:05 + mkdir sprints
04:02:05 + cd sprints
04:02:05 + touch test
04:02:05 + echo hello World
04:02:05 Finished: SUCCESS
```

1- create declarative in jenkins GUI pipeline for your own repo to do "Is"





2- create scripted in jenkins GUI pipeline for your own repo to do "Is"

```
Dashboard
                   aya kamal
                                          My Views
                                                                 → All
                                                                                 first_pipeline
    General
                    Build Triggers
                                          Advanced Project Options
                                                                                Pipeline
  Definition
    Pipeline script
      Script
           1 → node {
           2
                    def mvnHome
                    stage('Preparation') { // for display purposes
    // Get some code from a GitHub repository
           3 +
           4
           5
                         git 'https://github.com/ayakamal/Jenkins.git'
                         // Get the Maven tool.
           6
                        // ** NOTE: This 'M3' Maven tool must be configured // ** in the global configuration. mvnHome = tool 'test'
           8
           9
          10
                    stage('Build') {
          11 +
                         // Run the maven build
          12
          13 +
                         withEnv(["MVN_HOME=$mvnHome"]) {
                             if (isUnix()) {
    sh """ ls
          14 +
          15
                                  mkdir scripted_dir
          16
                                  touch scripted_file
          17
          18
```

3- create the same with jenkinsfile in your branches as multibranch pipeline

first_multibranch_pipeline Scan Multibranch Pipeline Dashboard Scan Multibranch Pipeline Log Started [Sun Oct 10 08:16:52 UTC 2021] Starting branch indexing... > git --version # timeout=10 > git --version # 'git version 2.30.2' > git ls-remote --symref -- https://github.com/ayakamal/Jenkins.git # timeout=10 > git rev-parse --resolve-git-dir /var/jenkins home/caches/gitdca832d4c971e5cfeb551dfa88f98600/.git # timeout=10 Setting origin to https://github.com/ayakamal/Jenkins.git > git config remote.origin.url https://github.com/ayakamal/Jenkins.git # timeout=10 Fetching & pruning origin... Listing remote references... > git config --get remote.origin.url # timeout=10 > git --version # timeout=10 > git --version # 'git version 2.30.2' > git ls-remote -h -- https://github.com/ayakamal/Jenkins.git # timeout=10 Fetching upstream changes from origin > git config --get remote.origin.url # timeout=10 > git fetch --tags --force --progress --prune -- origin +refs/heads/*:refs/remotes /origin/* # timeout=10

Dashboard → first_multibranch_pipeline



Chacking branches

first_multibranch_pipeline

Disable Multibranch Pipeline



Atom feed for just latest builds