

what are different method to trigger pipeline in jenkins ?

- *Trigger builds remotely.*
- *Build after other projects are built.*
- *Build periodically.*
- *GitHub hook trigger for GITScm polling.*
- *Poll SCM*

what is the benefit of using master-slave architecture rather than building on master only?

Using a master-slave architecture in Jenkins allows you to distribute the workload of building and testing to multiple machines, or "slaves". This reduces the time it takes to complete a task, as multiple machines can work on the same task simultaneously. Additionally, it makes the system more fault-tolerant, as if one machine fails, the remaining machines can still continue working on the task. Finally, the master-slave architecture allows for scalability, as more machines can be added to the system if additional capacity is needed.

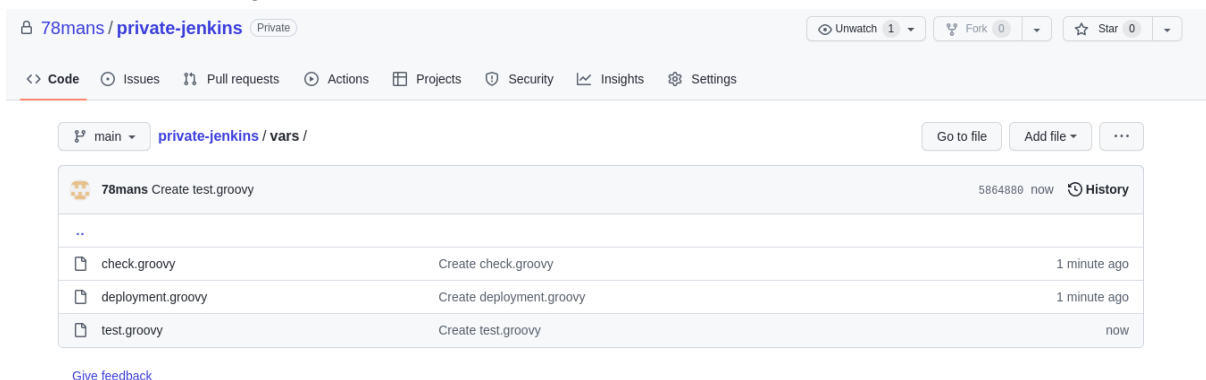
what is different between authorization and authentication ?

Authentication *is the process of verifying a user's identity.*
authorization *grants access to a user based on their identity.*

what is the benefit of making organization job in jenkins?

Organization Folders enable Jenkins to monitor an entire GitHub Organization, Bitbucket Team/Project, GitLab.

5) make jenkins-shared-library and make your jenkinsfile which you used in lab2 to point to this library



The screenshot shows a GitHub repository page for '78mans/private-jenkins'. The repository is private and has 1 unwatch, 0 forks, and 0 stars. The navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Security, Insights, and Settings. The main content area shows the 'vars' directory with three files: 'check.groovy', 'deployment.groovy', and 'test.groovy'. Each file has a 'Create' button and a timestamp indicating when it was created (1 minute ago for the first two, and 'now' for the last one). A 'Give feedback' link is visible at the bottom.

File Name	Action	Timestamp
check.groovy	Create	1 minute ago
deployment.groovy	Create	1 minute ago
test.groovy	Create	now

Library

Name ?

var

Default version ?

master

Currently maps to revision: a373d2b04167a9638cd8d86dd954ed710a723908

☐ Load implicitly ?

☒ Allow default version to be overridden ?

☒ Include @Library changes in job recent changes ?

☐ Cache fetched versions on controller for quick retrieval ?

Definition

Pipeline script from SCM

SCM ?

Git

Repositories ?

Repository URL ?

https://github.com/78mans/private-jenkins.git

Credentials ?

78mans/*****

+ Add