LAB 03 Jenkins

1) What are the different methods to trigger pipeline in Jenkins?

- Trigger builds remotely
- Build after other projects are built
- Build periodically
- GitHub hook trigger
- Poll SCM

2) What is the benefit of using master-slave architecture rather than building on master only?

- 1- Produce backups
- 2- Distribute nodes across slave nodes and help to scale up and down easily
- 3) What is different between authorization and authentication?

Authentication verifies the identity of a user or service, and authorization determines their access rights

4) What is the benefit of making organization job in Jenkins?

enable Jenkins to monitor an entire GitHub Organization

5) Make Jenkins-shared-library and make your Jenkins file which you used in lab2 to point to this library

Sharable libraries available to any Pipeline jobs running on this system. These libraries will be trusted, meaning they run without "sandbox" restrictions and may use @Grab. Library Name ? Jenkins-library Default version ? main Currently maps to revision: 82093b78099463026841c01479266b46317329cb Load implicitly ? Allow default version to be overridden ? Include @Library changes in job recent changes ? Cache fetched versions on controller for quick retrieval ? Retrieval method Modern SCM $Loads\ a\ library\ from\ an\ SCM\ plugin\ using\ newer\ interfaces\ optimized\ for\ this\ purpose.\ The\ recommended\ option\ when\ available.$ Source Code Management Git Project Repository ? https://github.com/naghamahmed/jenkins.git Credentials ?

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