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1. Jenkins schedule should be every 2 hrs for everyday (Syntax)

> \* \*/2 \* \* \* = every 2hrs

<https://cron.help/>

2. Jenkins Job should be triggered Sat & Wed at 4 AM IST

> 0 4 \* \* 6,3

3. Jenkins Job should be triggered on only first Sat at 4 AM IST

> 0 4 \*/100,1-7 \* SAT

<https://blog.healthchecks.io/2022/09/schedule-cron-job-the-funky-way/>

A screenshot of a computer

Description automatically generated with low confidence

4. Jenkins Job should be triggered on Sat if the date is 4th at 4 AM IST (Date should be 4th and Day should be Sat - Both conditions have to be satisfied in order to trigger the Job)

27th Oct 2020

Few terms or definitions to be familaiar with Jenkins Master, jenkins Slave, Jenkins Home, Workspace, Build Directory

Create an instance of t2-medium ubuntu 18 version from AWS

Get ready with master, slave, sonar and nexus for tomorrow's class (Hint: Install both Sonar and Nexus on the same Ubuntu server)

5. How to change my Jenkins Home Directory (Hint: By default home directory: /var/lib/jenkins)

6. How to restrict the users to only development related jobs

7. How to restore/reset Jenkins Admin password (Hint: Try to reset thru PuTTy in config.xml in the home directory)

8. How to reset the normal user password (Hint: Admin can reset thru manage jenkins -> Manage users)

9. How many types of jobs can be created in the Jenkins (Hint: We started with only Freestyle, try the others)

10. How to check the current version of Jenkins (Hint: )

11. How to upgrade Jenkins (Hint: Identify the Prerequisites, Upgrade, Install the compatible plugins and Post upgrades)

12. How to copy the jobs from dev environment to QA environment (Hint: Copy the jobs directory from /var/lib/jenkins using the scp command)

13. How to take back ups of my jobs (Hint: install "thin backup" plugin to configure for backup)

14. Upstream and downstream jobs configuration

15. How to disable my job (Hint: this is not delete, temp pause)

16. Can we run the same job on multiple slave machines (dev and qa)

17. Can we run different stages in different slaves (Hint: 4 stages on slave1 and remaining should be running in slave2)

18. How to proceed further with other tasks when one of the tasks failed in a job?

What is jenkins?

what is CI/CD?

what is the diff btw Cont delivery and cont deployment?

which type of job u r using?

how to provide access to user's?

how to reset admin password?

how to back-up jenkins job config?

what is built-trigger? how many build triggers available?

what are the diff pipelines? what is diff btw scripted and declarative pipeline?

explain the stages involved in your job?

what is up stream and downstream job?

what are the types of parameters we have?

how to call shell variables from pipelines?

how to disable the job?

what is workspace? how to clean the workspace?

how to integreate git,github,maven,sonarqube and nexus with jenkins?

how jenkins will be intimated when git commit happened?

how to pass 1st job parameters to 2nd job parameters?

what is diff btw maven, pipeline and freestyle job?

what is diff btw ansible and jenkins?

how to config email in jenkins?

what is diff btw poll SCM and Webhook?

what is slave machine? how many master and slave machine you have ?