



JENKINS INTERVIEW QUESTIONS

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Jenkins Interview Questions

1. What is Jenkins

Ans) Jenkins is an open-source automation server. Jenkins is a continuous integration tool developed in Java. Jenkins helps to automate the non-human part of software development process, with continuous integration and facilitating technical aspects of continuous delivery.

2. What is the difference between Jenkins and Hudson

Ans) Jenkins is the new Hudson. It really is more like a rename, not a fork, since the whole development community moved to Jenkins. (Oracle is left sitting in a corner holding their old ball Hudson, but it's just a soul-less project now.). In a nutshell Jenkins CI is the leading open-source continuous integration server.

3. What SCM tools does Jenkins support?

Ans)

4. How can you tell what version of Jenkins you are using?

Ans)

5. What is continuous integration in Jenkins?

Ans) Continuous integration is a process in which all development work is integrated as early as possible. The resulting artifacts are automatically created and tested. This process allows to identify errors as early as possible. Jenkins is a popular open source tool to perform continuous integration and build automation.

6. What are the pre-requisites for using Jenkins

Ans)

7. How can you move or copy Jenkins from one server to another server

Ans)

8. Commands to use to start Jenkins manually

Ans)

9. What are the most useful plugins in Jenkins

Ans)

10. How to create a Jenkins job and what are the types

Ans)

11. What are the two components that Jenkins mainly integrate with?

Ans)

12. What is the default session timeout value in Jenkins and How can you increase the session timeout value?

Ans)

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13. Explain about Jenkins security mechanism

Ans)

14. How can you pass parameters from one job to another job in Jenkins?

Ans)

15. Explain about build pipeline in Jenkins?

Ans)

16. How can someone execute the jobs in Jenkins without having permissions to execute the job?

Ans)

17. How to re-execute a parameterized build job without entering the parameter values when the job fails?

Note:- Job should not ask for parameters and it should run with the values of parameters that you entered during previous execution

Ans)

18. How to install plugins in Jenkins?

Ans)

19. How can we create/configure slaves/nodes in Jenkins?

Ans)

20. How to run jobs in slaves?

Ans)

21) Why do we use Jenkins?

Ans) Jenkins is an open-source continuous integration software tool written in the Java programming language for testing and reporting on isolated changes in a larger code base in real time. The Jenkins software enables developers to find and solve defects in a code base rapidly and to automate testing of their builds.

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22) What is Maven and what is Jenkins?

Ans) Maven is a build tool, in short a successor of ant. It helps in build and version control. However, Jenkins is continuous integration system, where in maven is used for build. Jenkins can be used to automate the deployment process.

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What plugins have you used in Jenkins?

Ans)

Explain CI/CD and how have you implemented it in Jenkins

Ans)

What type of jobs are there? Which types have you used?

Ans)

How did you report build results to users? What ways are you familiar with for reporting results?

Ans)

You need to run unit tests every time a change submitted to a given project. Describe in details how your pipeline would look like and what will be executed in each stage.

Ans)

How to secure Jenkins?

Ans)

Describe how do you add new nodes (agents) to Jenkins

Ans)

How to acquire multiple nodes for one specific build?

Ans)

Whenever a build fails, you would like to notify the team owning the job regarding the failure and provide failure reason. How would you do that?

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Ans)

There are four teams in your organization. How to prioritize the builds of each team? So the jobs of team x will always run before team y for example

If you are managing a dozen of jobs, you can probably use the Jenkins UI. But how do you manage the creation and deletion of hundreds of jobs every week/month?

Ans)

What are some of Jenkins limitations?

Ans)

How would you implement an option of a starting a build from a certain stage and not from the beginning?

Ans)

Do you have experience with developing a Jenkins plugin? Can you describe this experience?

Ans)

Have you written Jenkins scripts? If yes, what for and how they work?

Ans)

In Jenkins, if build fails, how you will troubleshoot?

Ans)

How to create a job in Jenkins?

Ans)

How to give access to the user to only build now option for a particular job?

Ans)

What are Defaults port numbers for Apache HTTP server, Tomcat, JBoss, Wildfly, MySQL and Jenkins)

Ans)