Interview Questions

With

Answers

Version

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Topics Based Questions

DevOps

AWS – EC2

AWS – S3

AWS – VPC

AWS – Route53

AWS – IAM

AWS - EBS

Git

Kubernetes

Jenkins

Docker

Ansible

Chef

Maven

Jenkins Interview Questions with Answers

What is Jenkins & what is it used for?

Jenkins is automation tool built for continuous integration and continuous deployment, preferably called as CI/CD Pipeline in Industry.

Advantages of Jenkins?

It is an open-source tool with great community support.

It is easy to install.

It has 1000+ plugins to ease your work.

It is free of cost.

It is built with Java and hence, it is portable to all major platforms.

Difference b/w CI/CD?

|  |  |
| --- | --- |
| CI | CD |
| CI stands for Continuous Integration. | CD stands for Continuous Deployment. |
| It is a software development method where members of the team can integrate their work at least once a day. | Continuous Deployment is a software engineering process in which product functionalities are delivered using automatic deployment. |
| After a code commit, the software is built and tested immediately. | It helps testers to validate whether the codebase changes are correct and stable or not. |
| It refers to the versioning source of code. | It refers to automated implementations of the source code. |
| It helps developers to identify and rectify issues early. | It enables you to rapidly deploy and validate new features and ideas. |
| It uses unit test. | Any testing strategy is performed. |
| You require the continuous integration server to monitor the main repository. | You need a good testing culture. |

How does Jenkins integrate with other tools like Git, Maven, and Tomcat?

To integrate other tools like Git, Maven, and Tomcat in Jenkins, we must install plugins from Manage Jenkins Plugins.

Each plugin requires its own setup or format for using in Jenkins.

For installation process, each plugin need to be installed on Jenkins with out restarting the Jenkins server.

What is Jenkins Pipeline, & how do we create one?

In Jenkins, we must create a project for executing our project. While creating a project in Jenkins, we have to select as Pipeline and this will create a pipeline project in our Jenkins setup.

Step 1: Create a Job

Step 2: Select Pipeline as Project

Step 3: Project Created in Jenkins

How do you configure security in Jenkins

Step 1: Select Project

Step 2: Manage Jenkins

Step 3: Configuration System

Step 4: Secure your Jenkins.

What is Jenkins files & how it is used?

Jenkins files are used for creating CI/CD jobs for the project.

Each Jenkin file is written in YAML file.

Each Jenkins YAML file has all the steps to test, deploy on server.

How do you manage plugins & dependencies in Jenkins?

How do you backup & restore Jenkins configuration and data? (5 Star)

Can you explain how you could handle a falling build in Jenkins?