

2(M)

- Q1. What is Docker? Explain its advantages.
- Q2. Define containerisation.
- Q3. Diff between containerisation & virtualisation (4M)
- Q4. What are docker images?
- Q5. How to create containers?
- Q6. How docker containers deploy?
- Q7. How can you deploy an image?

(4M)

- Q1. How to deploy a docker container on a server?
- Q2. How can you create your first container? How to stop & remove containers?
- Q3. Explain docker client & docker server?
- Q4. How to link Jenkins to git Repository? Or
Explain Jenkins integration with git.

Q5. How to configure Jenkins?

Q6. How Jenkins is integrated with devOps stages?

Q7. Explain the master-slave Architecture of Jenkins?

Q8. How Jenkins is diff from other integration tools?
[8(m)]

Q. What is Jenkins and why we use it?
or

What is Jenkins? How to configure it?
How to use it to build projects?
How to link Jenkins to Git Repository?

(2M)

- Q1. What is Jenkins? ^{Q2} What is the difference between Maven ^{fant} and Jenkins?
(Hint: Maven and Ant are build technologies whereas Jenkins is C.I. tool.)
- Q2. Which S.C.M. tools does Jenkins support?
(Source code mgmt)
(Git, Subversion, REX, Clearcase)
- Q3. What is Cont Integration (CI) in Jenkins?
- Q4. What is the use for using Jenkins?
(Git, you need a source code repository which is accessible for eg git repository & working build script like Maven.)
- Q5. What are the advantages of Jenkins?
- Q6. How to make sure that your project build doesnot break in Jenkins?
(Hint: Continuous Integration & Synchronisation with repository)
- Q7. How can you move or copy Jenkins from one server to another?
- Ans. Step 1: Copy the related job directory & slide a job from one installation of Jenkins to another.
- Step 2: Make a copy of already existing job by making clone of a job directory by a different name.
- Step 3: Renaming & creating job by rename a directory.

Q9. Which graph command is used to start Jenkins manually?

Ans9. - Restart : force a restart without waiting for build to complete

- Safe restart : Allows all running builds to complete.

Q10. What are the most useful plugins in Jenkins?

Ans10 maven2 project, HTML Publisher, Amazon EC2, Copy Artifact, Jira, Green Balls

Q11. How to create a backup and copy files in Jenkins?

Ans11. Just copy the directory that saves all the Jenkins settings, built artifact & logs of Jenkins in its home directory.

- We can also clone & rename.

Q12. How can you clone a git repository via Jenkins?

Ans12. Execute git configuration or enter email username of Jenkins history.

Q13. How can you setup Jenkins jobs?

Ans13. - Select new item from menu.
- After that enter a name for the job & select freestyle job.

- Then click OK to create new job in Jenkins
- The next page enables you to config your job.

Q19 What are the 2 components Jenkins is mainly integrated with?

Ans: Maven & Git
(Build tool) (version control)
like Spache

Q20 What happens when a Jenkins build fails?

Ans: Concerned team will be notified

Q21 What is req for using Jenkins?

Ans: you need a source code repository which is accessible, for example git repository & a working build script, for example, maven.

Q22 Why is Jenkins used with Selenium?

Ans: It allows you to test Jenkins whenever software changes or send to a new environment

Q23 C.I. tools?

Ans: Jenkins, Bamboo, Teamcity, Gitlab, Buddy, Puppet, Code Fresh, CodeShip