**1.What is Jenkins ?**

**Ans-Jenkins is the "leading open source automation server."**

**https://jenkins.io/ •**

**As is explained above on their homepage, Jenkins is an open source automation server.**

**• It's built in Java.**

**• It's basically a platform for the Software Development Life Cycle (SDLC).**

**• It's commonly used to implement continuous integration and continuous delivery concepts specifically.**

**• It's useful to anyone who works on a software project,**

**including: 1. Application Developers**

**2. Web Developers**

**3. IT Operations**

**4. Systems Engineers**

**5. DevOps Engineers Jenkins is known for being easy to use and highly adaptable. There are thousands of customizations and plugins that make Jenkins suitable for most use cases. It also works in the most common OS environments and is relatively lightweight (doesn't use a lot of resources).**

**2.Why 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 software enables developers to find and solve defects in a code base rapidly and to automate testing of their builds

3. What are the other tools/technologies present in market other than

Jenkins for CI/CD ?

## Ans-TeamCity, ****Travis CI, GO CD, Bamboo, Gitlab CI ,Circle CI****

## 4.How to move Jenkins from one server to another ?

* Install a fresh Jenkins instance on the new server
* Be sure the old and the new Jenkins instances are stopped
* Archive all the content of the JENKINS\_HOME of the old Jenkins instance
* Extract the archive into the new JENKINS\_HOME directory
* Launch the new Jenkins instance
* Do not forget to change documentation/links to your new instance of Jenkins :)
* Do not forget to change the owner of the new Jenkins files : chown -R jenkins:jenkins $JENKINS\_HOME

JENKINS\_HOME is by default located in ~/.jenkins on a Linux installation, yet to exactly find where it is located, go on the <http://your_jenkins_url/configure> page and check the value of the first parameter: Home directory; this is the JENKINS\_HOME.

## How to create Jenkins backup