23rd September-1st session

Installation oracle virtual box

vagrant

Devops is combination of Automation tools

Faster delivery of software quickly is called devops

Jenkins:

Continuos integration and continues delivery(CI-CD)

Developers are creating the code and there pushing it into the git repository (Version controlling system)once the code is uploaded here and asking our tool (Jenkins)to download the code and build our code. When we build the code that output is called as artifact.(setup file).

Once the artifact is created we are asking our Jenkins to take the artifacts and deploy that artifact in testing servers. we have our team of testers who are creating automation testing programs using selenium and we are expecting our jekins to run the automation program to check whether the application is working correctly or not. If everything is working correctly then we are telling our Jenkins to deploy that into prod env so that my client will access that.

The main sequence of Jenkins is adaptability. We can plugins(addon) to Jenkins.

Virtualization is a process where we can run multiple linux (OS)machines.

5 stages:

1.continous download

2.continuos build

3.continuous deployment

4.continuous testing

5.continuous Integrity and continuous

delivery

24th sep-2nd session

AWS-Cloud service provider(they are giving infrastructure as rent)

EC2-Elastic cloud compute(Instances)

 ssh -i "MyJenkinsseptember.pem" [ubuntu@ec2-54-149-53-42.us-west-2.compute.amazonaws.com](mailto:ubuntu@ec2-54-149-53-42.us-west-2.compute.amazonaws.com)

sudo apt-get install -y tomcat9-admin

Jenkins is a web app where we can access for browser

sudo apt-get update