Jenkins

automation tool

What is Jenkins automating ?

Is an open source CI tool written in java.

How do you use Jenkins for CI/CD automation ?

In Landmark, we manage federated JAVA based enterprise applications (web.ear)

for Fintech Clients/ DOD/ Ecommerce

users/customers --------> [paymentApp/zelle/payPal]

Development--->Test+Build-->CodeQuality-->BackUp--->AppServers

1. Development---> [Git/GitHub,IDE]

7 --- REPOSITORIES

2. CodeQuality--->

3. Test+Build-->-->

4. BackUp--->

5. AppServers

6. Notification[email, slack]

users[]--->webServers/LB---->App

https://www.jenkins.io/doc/book/installing/ :

Installing Jenkins:

Docker

Kubernetes

Linux

macOS

WAR files

Windows

Other Systems

Offline Installations

Initial Settings

Jenkins installation:

1. Accros platform like:

Linux

Windows

MacOS

Solaris

Jenkins installation in redhat enterprise Linux 8 OS:

https://www.jenkins.io/doc/book/installing/linux/#red-hat-centos

connect to the jenkins server in AWS CLoud:

userName: ec2-user

remoteHost address: 54.159.1.197

password/ssh-keys: dominion.pem

port22 is open in the firewall (security group)

ssh -i dominion ec2-user@54.159.1.197

We also need an ssh-client software like:

mobaXterm /

pUTTY

WE CAN also USE GIT BASH or

terminal(macOS users)

Jenkins-install.sh