**Jenkins**

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>>jenkins is a open source extensible automation server that can be used to automate the build and deploy process for any project using a wide Varity of plugins.

>>jenkins supports the complete development lifecycle of software from building, testing, documenting the software, deploying and other stages of a software development lifecycle.

SDLC >>code >>build>>keep artifact, keep it Jenkins is such a code to keep all those thing in one code.

>> Jenkins is based on java, so we first need to install java in your machine

Installation

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>> sudo wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-stable/jenkins.repo

>> sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io.key

>>sudo yum upgrade

>> sudo yum install java-11\* -y

>> sudo yum install Jenkins

Start /stop /status Jenkins

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>> sudo systemctl start jenkins (it will start the jenkins)

>> sudo systemctl stop jenkins (it will stop the jenkins)

>>sudo systemctl status jenkins (it will check the status)

Access the jenkins console

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By default jenkins service runs on port 8080, so we need to open 8080 in our instance security group to access it cover the browser.

>> go to instance 🡪go to the security tab and select the security group

🡪click on the inbound rules and edit the inbound rules

🡪add one more rule which allows port 8080 from 0.0.0/0

🡪Pick the public ip address of our jenkins server and access it over the browser

<publicip>:8080

* Run below command to get the admin password
* Sudo cat /var/lib/jenkins/secrets/initialAdminPassword