MASTER – SLAVE ARCHITECTURE

TASK ON MASTER – SLAVE :

1. Create 1st instance named master and install Jenkins and JDK in the instance.
2. Create 2nd instance named as slaveA and install JDK and GIT in the instance.
3. Create 3nd instance named as slaveB and install JDK and GIT in the instance.
4. After connecting the Jenkins to web browser create 2 free style projects with 2 different git repositories in each free style project.
5. Goto nodes and create 2 nodes for slaveA and slaveB.
6. Connect one node to slaveA and another node to slaveB.
7. Install jar file to each instance.

Steps followed:

Instance – 1 : [MASTER]

Jenkins installation :

sudo yum update –y

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

sudo rpm --import https://pkg.jenkins.io/redhat/jenkins.io-2023.key

sudo yum install jenkins -y

systemctl   daemon-reload

sudo systemctl start jenkins

sudo systemctl enable Jenkins

systemctl status Jenkins

JDK Installation :

sudo yum install java-11 -y

Instance – 2 : [slaveA]

- Create a empty directory with the name slaveA

JDK Installation :

sudo yum install java-17-amazon-corretto-devel

GIT Installation:

sudo yum install git -y

- Copy the path of the directory

Instance – 3 : [slaveB]

- Create a empty directory with the name slaveB

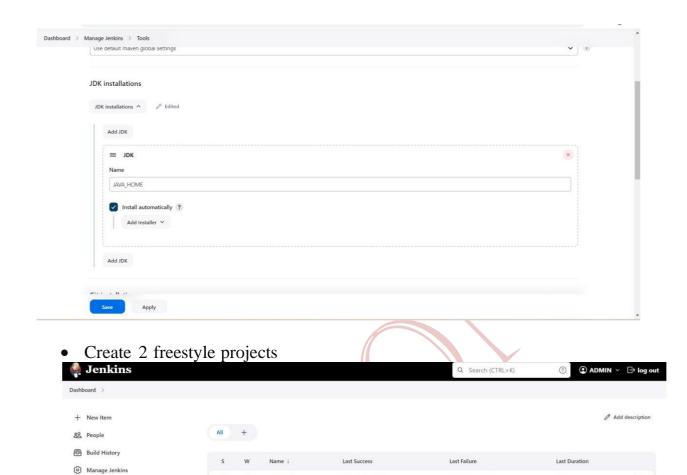**JDK Installation :**

sudo yum install java-17-amazon-corretto-devel

GIT Installation:

sudo yum install git -y

- Copy the path of the directory

JENKINS :
- Add path of jdk

- Create 2 freestyle projects

- Create 2 nodes

- Open slaveA

Copy the unix command to linux slaveA instance and to the directory of

slaveA

- Open slaveB

NOTE : If the slave goes offline bring the slave back to online

- After the slave is created, create build