Add New Node/Slave to Jenkins

|  |  |
| --- | --- |
| First, we need at least two EC2 Instances | With that instance we need to install:  Java- sudo yum install java  Jenkins- sudo yum install Jenkins  **NOTE: WE NEED TO INSTALL JENKINS IN MASTER NODE ONLY** |
| Go to manage Jenkins and click on manage nodes and clouds | A screenshot of a cell phone  Description automatically generated |
| Click on New Node | A screenshot of a cell phone  Description automatically generated |
| Give Name of node and click on Permanent Agent then press OK | A screenshot of a cell phone  Description automatically generated |
| Fill the Form for New node: | **Description:** New Node Test (Can give anything)  **No of executors:** 10 (Give any number)  **Remote root directory:** /home/USERNAME\_OF\_CLIENT\_SIDE\_WHICH\_WE\_CREATER  Ex. I created “client” user on client side  So, the path will be **/home/client**  **Lable:** New Test (Give anything)  **Usage:** Select “Use this node as much as possible” (or select anything)  **Launch method:** select “Launch agents via SSH”  **Host:** Give a private IP of Client Instance  **Credentials:**  **BEFORE GIVE CREDENTIALS WE NEED TO MAKE SSH CONNECTIONS BETWEEN BOTH INSTANCES.**  **MAKE SURE WE HAVE CREATE USER IN CLIENT INSTANCES.**  **FOR THAT WE NEED TO RUN FOLLOWING COMMANDS INTO CLIENT EC2-INSTANCE:**  **NOTE: CREATE USER OR RUN COMMADS TO CREATE A USER NEED TO RUN AS A ROOT IN A CLIENT USER**   1. **Create a user**  * **useradd USERNAME** * **Ex. sudo useradd client**  1. **Create a passwoord for that user**  * **Passwd USERNAME** * **Ex. passwd client**  1. **Create a SSH key for that user**  * **sudo su – client** * **ssh-keygen -t -N “” -f /home/jen\_node/.ssh/id\_rsa** * **cd .ssh** * **cat id\_rsa.pub > authorized\_keys** * **chmod 700 authorized\_keys**   **###############################################################**  **NOTE: RUN THIS COMMANDS TO THE SERVER SIDE AS A SUDO USER**  **mkdir -p /var/lib/jenkins/.ssh**  **cd /var/lib/jenkins/.ssh**  **ssh-keyscan -H CLIENT\_PRIVATE\_IP >>/var/lib/jenkins/.ssh/known\_hosts**  **chown jenkins:jenkins /var/lib/jenkins/.ssh/known\_hosts**  **chmod 700 /var/lib/jenkins/.ssh**  Click on “Add”  **ID:** Give the  **Kind:** SSh Username with private key  **Username:** client  **Private Key:** **Give your private key from the client instance from jen\_node user which we just created**  Click Add  Select Crediantles which we just gave  Click on save |
|  |  |