**Distribute Builds:**

Distribute the tasks to among all the slave servers to perform the task by using Master-Slave architecture.

**Master-Slave Architecture:**

* Create the two ec2 servers one for Jenkins master and another for slave server(t2.medium).
* Install the Jenkins on master server no need to install the Jenkins on slave server.
* We can install only java(java 17 th version) on slave server by using **sudo yum install java-17-amazon-corretto-devel -y** command (from tecadmin).
* Log into Jenkins master server and go to **manage Jenkins > Nodes** .
* Click on create Node option and enter the name of node whatever we want and select **permanent agent** option.
* Enter the name of label whatever we want and specify the root directory (which is slave server present working directory or we can give any new directory).
* Select the launth agent via ssh and add the slave server username and paste private key(pemkey) of slave server.
* Add the private i.p address of slave server and click on Apply and save.
* Create the job (freestyle or pipeline) and Select the where this project is running option under general section.
* Add the label name whatever we have created earlier.
* Click on add buildstep and select execute shell write the sample shell script.
* Click on apply and save.
* Click on build now option.



