

Configure a Distributed Jenkins Cluster

Jenkins – Assignment 2

Task 1 (Create 2 instances for Jenkins Manager and Worker Node respectively)

1. Go to platform of your choice (Digital Ocean or Vagrant)
2. Create 2 Ubuntu instances
3. Configure and setup Jenkins on the first Node and designate it as Jenkins Manager

Task 2 (Configure Password-less authentication between Manager and Worker Node) (Optional)

1. Create a ssh key pair on Jenkins Manager
2. Copy public key to Worker node.
3. finish up the ssh authentication in a password-less manner.
4. Validate that you can connect to the worker instance from Jenkins Manager via SSH.



Note(s): Last step should let SSH into Worker node without prompting for the password. If it is still asking for password, then you need to troubleshoot your configuration.

Task 3 (Configure the Worker node)

1. Login to Jenkins Manager
2. Go to Manage Jenkins --> Manage Nodes
3. Configure Worker node as a "Permanent Agent"
4. Test connectivity



Note(s): If you have not configured password-less authentication in previous step, then as an alternate, you would need to configure appropriate credentials for ssh connectivity to worker node from Jenkins Server.

Task 4 (Validate your Cluster Configuration)

1. Configure a sample job. Use any GitHub repository used in earlier practice labs or during classroom sessions.
2. Configure the job for basic steps such as “mvn package” or “mvn test” etc. (No need to create a complex job.)
3. Configure the Job to run only on Worker node.
4. Build the job and verify that it did run on Worker node (and not on Jenkins Server)