**Experiment No. 3.2**

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**Branch: MCA - CCD Section/Group: MCD-1/ Grp A**

**Semester: IV Date of Performance: 10th Apr 24**

**Subject Name: CI/CD Pipelines Subject Code: 22CAP-781**

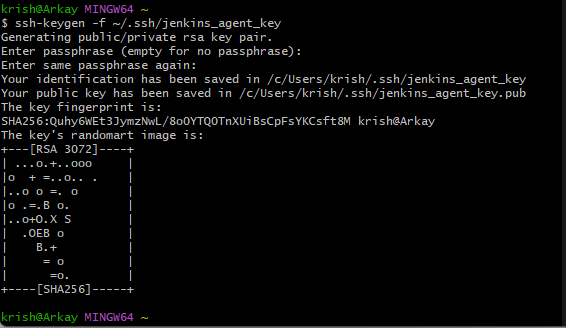
1. **Aim/Overview of the practical:**

Create a build node and assign maven based job to that build node.

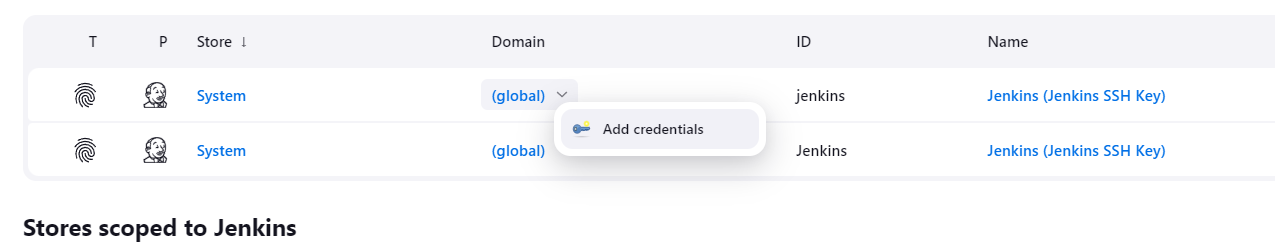
1. **Code for practical:**

* Open Jenkins on localhost.
* Click on Manage Jenkins > Credentials > System > Add
* Create a new Credentials using SSH
* Save ssh path to ~/.ssh/jenkins\_agent\_key
* Create SSH Key using command

***ssh-keygen -f ~/.ssh/jenkins\_agent\_key***



* You can open it using ***nano ~/.ssh/Jenkins\_agent\_key***
* Copy the certificate ad Go to Manage Jenkins > Credentials > System > Add credentials and paste certificate.

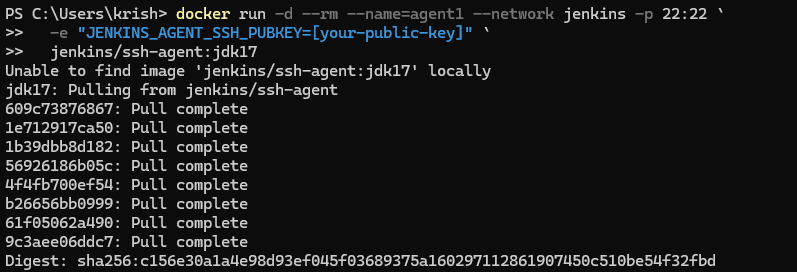


* Run command

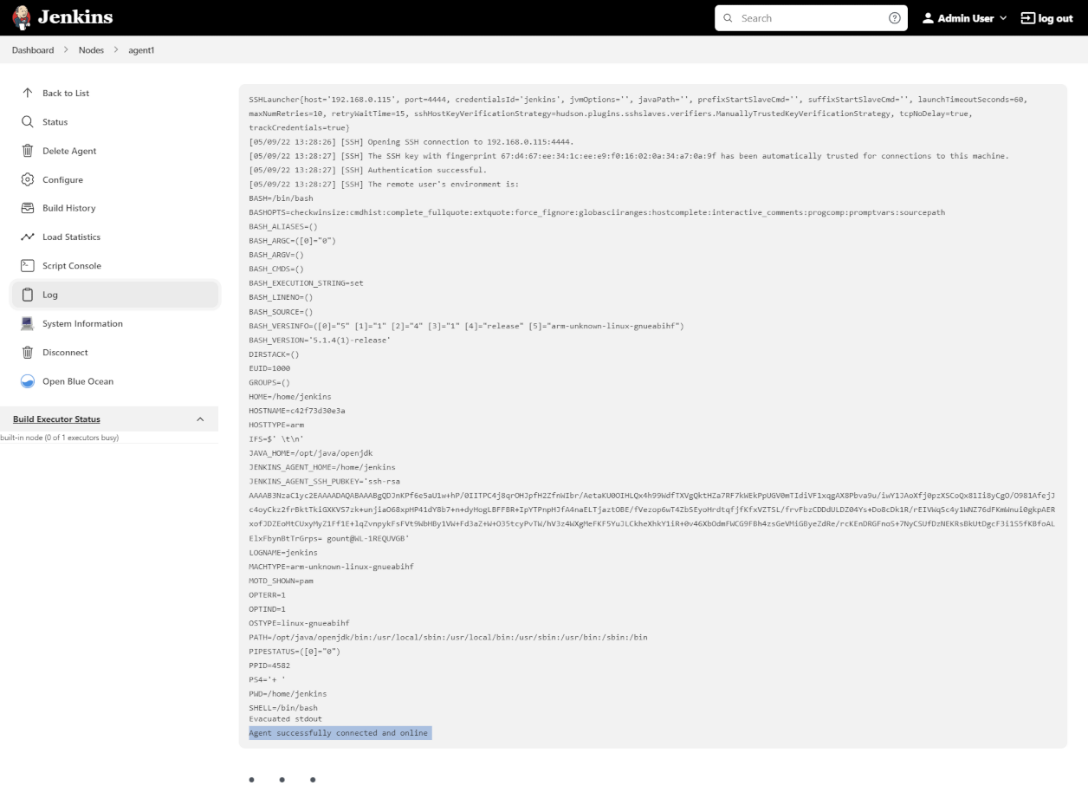
***docker run -d --rm --name=agent1 --network jenkins -p 22:22 `***

***>> -e "JENKINS\_AGENT\_SSH\_PUBKEY=[your-public-key]" `***

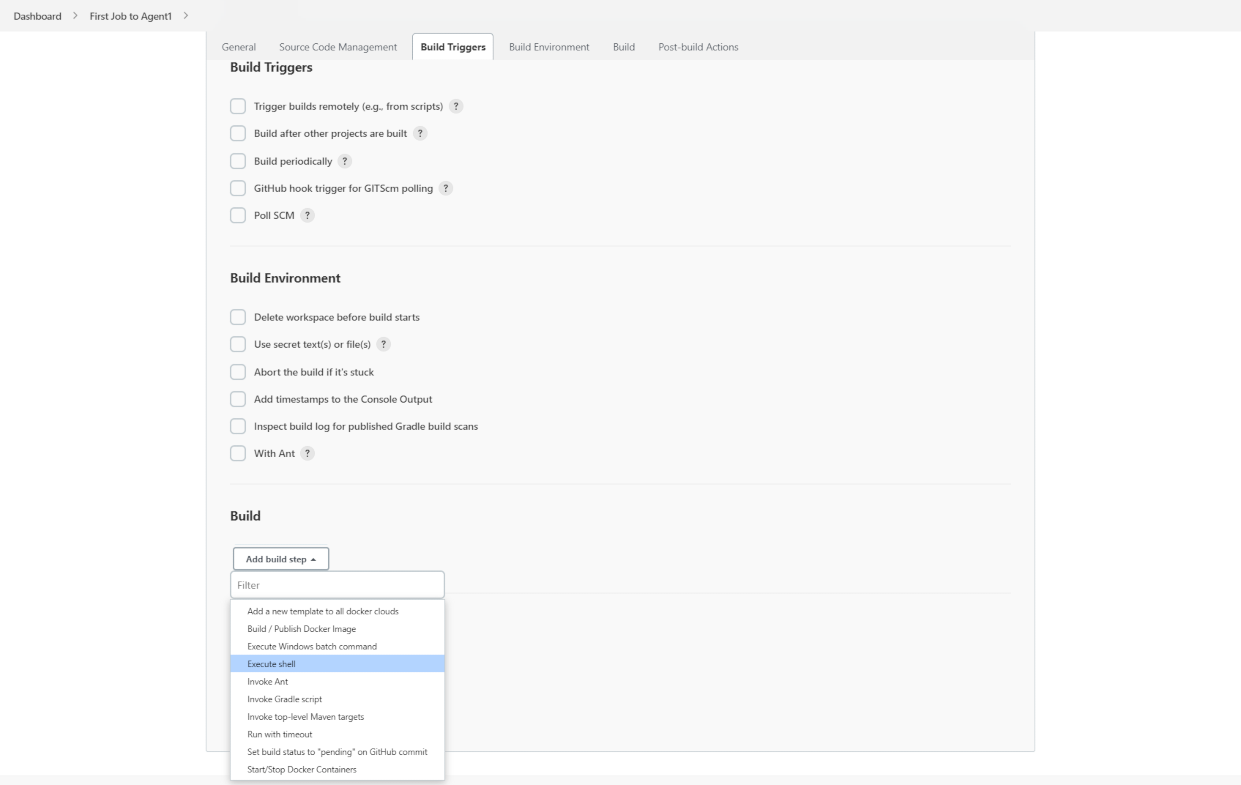
***>> jenkins/ssh-agent:jdk17***



* Click on Manage Jenkins > Nodes.
* Create a node and select Connect with SSH and select Jenkins SSH.



* After creating node, Create a job to node and click on Build.



* Build will be completed in few moments.