Write up

**Setting Up Jenkins Pipeline to Deploy Docker Swarm.**

DESCRIPTION

**Project objective:**

You have to develop an environment for Docker networking.

**Background of the problem statement:**

As you have worked on Docker containers previously, your manager has asked you to perform container scheduling over multiple hosts using Docker CLI and connect multiple hosts with Docker containers.

**You must use the following:**

● Jenkins: To create a pipeline to deploy Docker Swarm  
● Docker Swarm: To implement container networking  
● Git: To connect and push files from the local system to GitHub   
● GitHub: To store the Angular application

**Following requirements should be met:**

● A few of the source code should be tracked on GitHub repositories. You need to document the tracked files that are ignored during the final push to the GitHub repository.  
● Submission of your GitHub repository link is mandatory. In order to track your task, you need to share the link of the repository in the document.  
● The step-by-step process involved in completing this task should be documented.

Step 1: Create a multiple instance.

Step 2: Edit the security group by edit the inbound rule and add all traffic type.

Step 3: With the help of putty connect the instances.

Step 4: Write command on master node to connect other nodes

Step 5: The master node will produce token , run the tokens in the other nodes to connect them.

Step 6: Check the master node about the status of other node.

Step 7: Create a service and add the image in container .

Step 8: Check the service status about running.

Step 9: Run the ip address in the url.