Phase 5

Lesson 4

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

Writeup :

**Objective:**

To develop an environment for Docker networking using Jenkins pipeline to deploy docker swarm .

**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.

**Process to follow:**

● Jenkins: To create a pipeline to deploy Docker Swarm  
● Docker Swarm: To implement container networking

Steps:

* Create a 3 nodes and install docker to all the nodes and connect all the node to make docker swarm cluster
* Install the Jenkins to the docker master node to work with Jenkins
* After installing add all the necessary plugins to the Jenkins
* And create the pipeline in Jenkins to deploy the docker swarm cluster
* Follow these steps to setup Jenkins pipeline and deploy docker swarm