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

**Write Up**

Here our aim in this project is to create an environment to deploy docker swarm by setting up the Jenkins pipeline. To make this happen we have to follow the bellow steps and procedures to deploy docker swarm.

Before going into the steps let’s see the background of the problem statement

**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.

**Methods we use in this project:**

* 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