docker swarm

Docker Swarm is Docker's native clustering and orchestration solution

**Manager Node**: Responsible for managing the swarm, handling scheduling, and orchestrating the cluster. A swarm can have multiple manager nodes for high availability.

**Worker Node**: A node that runs the actual application containers. Worker nodes do not handle swarm management tasks they just execute the tasks assigned by manager nodes.

**Service**: A Docker Swarm service is a definition of a **containerized** application. It includes the image, the number of replicas, and how the container should be run.

Step to service

1step

We create Before you can create a service, This will create the first manager node, and you can add worker nodes to the swarm.

Docker swarm init is used to a create access token

To Create Docker swarm service

docker service create --name paytm –replicas 3 –publish 80:80 httpd

to least the services want to used command

docker service ls

to stop the service we us docker service rm service-name

to stop docker stop service name

to push the image docker hub we want we to logi docker hub in manager terminal then we push by using docker push username andrepositry name

then we observe the image indocker hub