**DevOPS- docker swarm**

* Docker swarm commands that are being placed for reference -

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| --- | --- |
| docker swarm init | The instance where this is run becomes the manager node |
| Docker swarm join | Joins the instance as a worker node |
| docker info | Gives information about the swarm |
| docker node ls | Gives list of connected nodes |
| docker swarm leave --force | To leave the swarm |
| docker node rm | This can be used in manager node terminal to remove a node |
| docker service create -- name <name> --replicas 3 –p 80:80 <image> | Command to create a service |
| docker service ls | List all services |
| docker service rm <id> | To remove the service |
| docker service inspect –pretty <id> | To obtain information about the service |
| docker service ps <service\_name> | Check which nodes are running a service |
|  |  |
| docker stack deploy –c <yaml\_Filme>.yml <stack-name> | Makes us of YAML files to deploy multiple services at once. |
| docker service scale <service\_id>=<replica \_count> | To scale up or down your service to desired number of replicas. |

* Rolling Updates  
  Rolling updates are used to update an image in the service while it is being run

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| --- | --- |
| docker service create -- replicas 3 --name <name> --update-delay 10s <image>:<tag> |  |
| docker service update --image <image>:tag <serivice\_name> |  |

* Draining nodes  
  Drain status prevents the nodes for receiving new tasks. Used for maintenance or such things.

|  |
| --- |
| docker node update --availability drain <workednodeid> |
| docker node update --availability active <workednodeid> |

* Connecting to a Network

|  |  |
| --- | --- |
| docker network create --driver <type> <name> | To create a network |
| docker service create --replicas 3 --network <network\_name> --name <service\_name> image:tag | To start a service with network |
| docker service update --network-add <network\_name> <service\_name> | To add network to an existing service |
| docker service update --network-rm <network\_name> <service\_name> | To remove network from an existing service |