
Docker : Docker MasterClass for DevOps

Networks in Docker Swarm



Docker : Service Containers

- Docker Swarm has new Network Driver overlay Network.
- The overlay network driver creates a distributed network among multiple Docker hosts.
- Overlay Network is allow containers to communicate inside the Single Swarm.

Docker : Service Containers

- When you initialize a swarm or join a Docker host to an existing swarm, two new networks are created on that Docker host:
- **Ingress**: Ingress is an Overlay Network, which handles control and data traffic related to swarm services.
- If Swarm Service is not connected with user defined Overlay Network, it connect to ingress Network.
- **Bridge Network**: Bridge network called `docker_gwbridge`, which connects the individual Docker node to the other node participating in the swarm.

Docker : Service Containers

- Rules for user defined Overlay Network
- Need the following ports open to traffic to and from each Docker host participating on an overlay network:
 - TCP port 2377 for cluster management communications
 - TCP and UDP port 7946 for communication among nodes
 - UDP port 4789 for overlay network traffic.
- Before create an overlay network, docker Swarm must be initialised on Node or join it to an existing swarm.

Thank You...

Don't be the Same! Be Better!!!
