



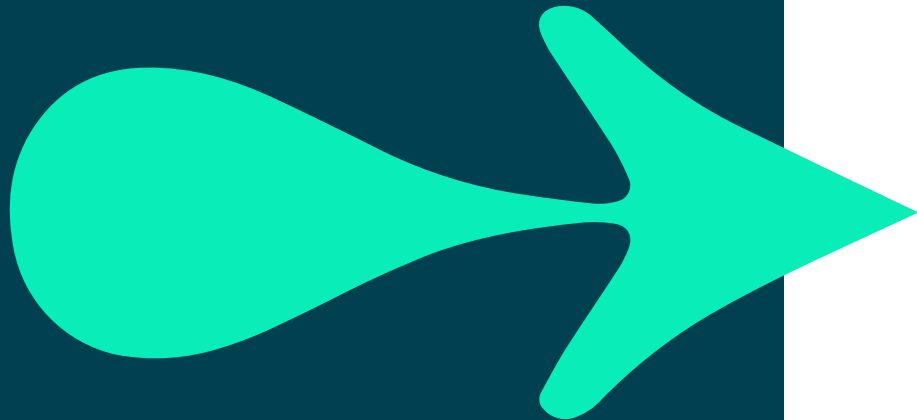
Communication Docker Networking





DOCKER COMMUNICATI ON

- Communication is vital for containers to interact with each other and external systems.
- You can create a network between your dockers
- Enables each docker to call other dockers' APIs
- Vital mechanism for Microservices

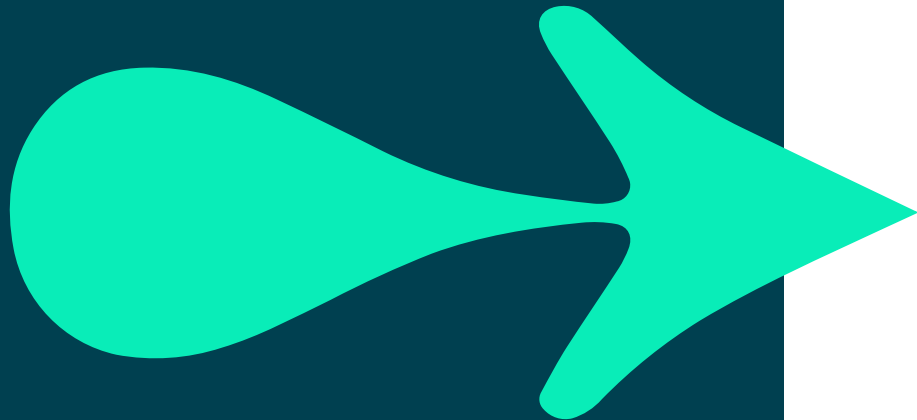




COMMUNICATION MODES

Several form of networks can be set up

- **Bridge Networks:**
 - Default mode in Docker.
 - Allows communication between containers on the same Docker host.
- **Overlay Networks:**
 - Extends communication across multiple Docker hosts.
 - Enables communication between containers on different hosts.

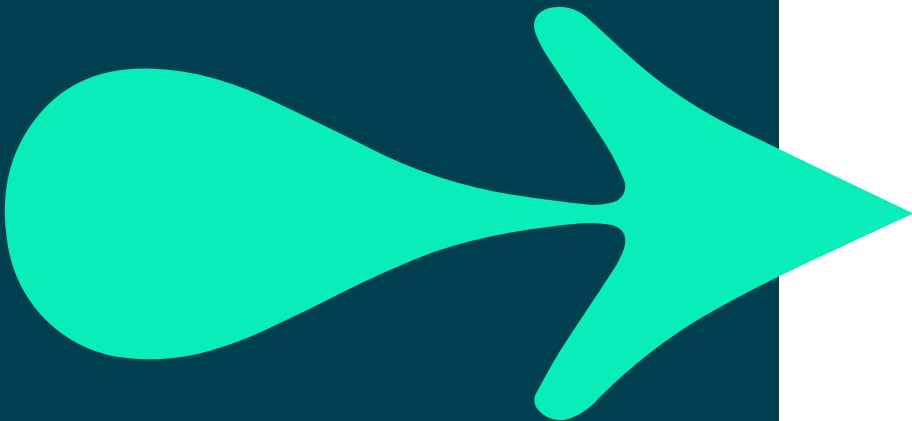




COMMUNICATION MODES...

Networking...

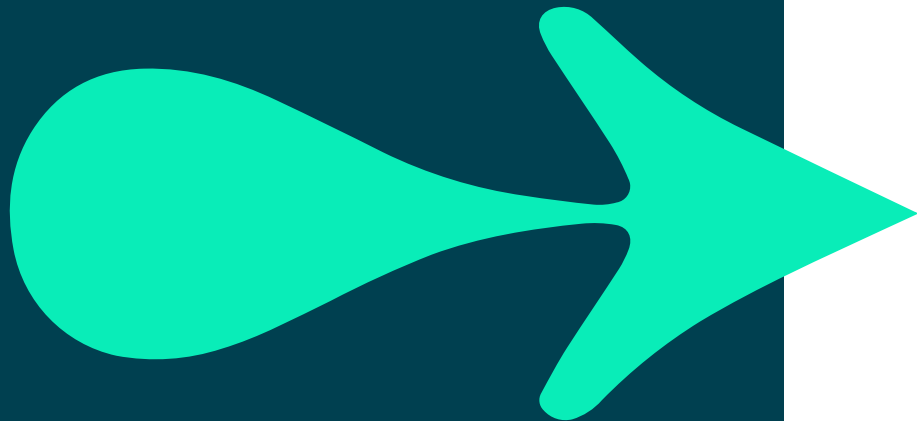
- **Host Networks:**
 - Containers directly access the networking stack of the Docker host.
 - Bypasses Docker's network isolation.
- **External communication is done via port mapping**





SUMMARY

- Docker communication enables flexibility and scalability of containerized applications.
- Bridges internal communication between containers and external systems.
- Essential for deploying applications across diverse environments





LAB

Please do the following lab

3-Docker Networking.docx

