Docker Compose

Sheet 2

Objectives:

- Overview of Docker Compose.

- Creating multi-container applications with Docker Compose.

- Defining container dependencies and links.

- Working with environment variables in Docker Compose.

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1. Create a Docker network and launch multiple containers connected to it. Verify that the containers can communicate with each other over the network.

2. Use Docker Compose to launch multiple containers that make up a multi-service application. Configure the containers to use a shared network and enable communication between them.

3. Use Docker networking to expose a container port to the host machine. Verify that the service running in the container is accessible from the host machine.

4. Use Docker networking to restrict container access to specific ports on the host machine. Launch a container with a service running on a specific port, and configure the container to only allow traffic from a specific IP address.