**Docker Compose**

1. Docker Compose is a tool for defining and running multi-container applications.

Compose simplifies the control of your entire application stack, making it easy to manage services, networks, and volumes in a single, comprehensible YAML configuration file. Then, with a single command, you create and start all the services from your configuration file.

1. Use Cases of Docker Compose

Start, stop, and rebuild services

View the status of running services

Stream the log output of running services

Run a one-off command on a service

**Installation:**

Get the latest version of Docker compose binary from official docker github

***sudo curl -L https://github.com/docker/compose/releases/latest/download/docker-compose-$(uname -s)-$(uname -m) -o /usr/local/bin/docker-composee***

Fix permissions after download:

***sudo chmod +x /usr/local/bin/docker-compose***

verify the docker compose version installed:

***docker-compose version***

**steps to use Docker Compose:**

1. **Dockerfile** : Define your app's environment with a *Dockerfile* so it can be reproduced anywhere.
2. **compose.yaml** : Define the services that make up your app in *compose.yaml* so they can be run together in an isolated environment.
3. **Up the compose** : Lastly, run ***docker-compose up -d*** and Compose will start and run your entire app
4. **Down the compose** : Run ***docker-compose down*** and Compose will stop and down your entire app