How to Use Docker Compose

Purpose

Learn how to define and manage multiple Docker containers using a simple YAML configuration file with Docker Compose.

---

1. Install Docker Compose

If you don't already have Docker Compose installed, install it:

bash

```
sudo apt update
sudo apt install docker-compose-plugin -y
```

---

2. Create a Docker Compose File

Create a directory for your project and add a `docker-compose.yml` file inside it:

bash

```
mkdir my-project
cd my-project
nano docker-compose.yml
```

Example `docker-compose.yml`:

yaml

```
version: '3'

services:
```

```
web:
  image: nginx
  ports:
    - "8080:80"
```

3. Start the Application

Use Docker Compose to bring up your containers:

bash

```
docker compose up -d
```

The `-d` option runs it in the background (detached mode).

4. Stop the Application

When you want to stop and remove all containers defined in the Compose file:

bash

```
docker compose down
```

🧩 Summary

- **Compose simplifies** multi-container deployments with a single file.
- **Use volumes** inside `docker-compose.yml` to persist your data.
- **Keep your Compose files** under version control (like Git) for easy recovery and updates.

Revision #1
Created 27 April 2025 02:33:52 by joliveira
Updated 27 April 2025 02:34:51 by joliveira