

VII. Port Binding

Ports vs. Unix Sockets

- **Unix domain sockets** know that they're executing on the **same system**, so they can avoid some checks and operations (like routing); which makes them **faster and lighter** than IP sockets.
- If you plan to communicate with processes on the **same host**, this is a better option than **IP sockets**.
- This requires **adding a webserver** library to the app by using dependency declaration, such as Tornado for Python, Thin for Ruby, or Jetty for Java and other JVM-based languages to create a **port-bound IP/port-facing service**.

Docker Compose

- **Docker Compose** is a tool for defining and running **multi-container** Docker applications.
- It uses a **YAML** file to configure the application's services.
- With a single command, it **creates and starts** all the services from the provided configuration.

