Introduction to part 4: Network programming with HTTP

https://github.com/heig-vd-dai-course

Web · PDF

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Up until now, you have mostly worked with low-level protocols such as TCP and UDP

These protocols are the foundation of the Internet and network communications.

Today, you will learn about a higher-level protocol: HTTP.

What will you learn?

- Learn **how** and **why HTTP is used widely** to **build web applications**

- Learn how to use **HTTP in Java** to build simple (CRUD) **APIs**

- Learn how to **set up web infrastructure** to host web applications:

  - **Reverse proxy**

  - **Load balancer**

What will you accomplish?

- Build **a simple web API** in Java

- **Acquire**, **install** and **set up a server**

- **Acquire** a (free) **domain name**

- **Deploy** a web application on the server with a **reverse proxy**

- **Access** the web application from the **Internet**

Closing the loop

This part will be the last one of the course. This is the last step to close the loop (from code to production).

Sources

- Main illustration by shawnanggg on Unsplash

- Illustration by Unseen Studio on Unsplash

- Illustration by Jared Erondu on Unsplash