Enterprise Digital Infrastructure – Assignment #3 – May 2023

Web technologies

1. Analyze and discuss the impacts of the number of parallel connections set inside the browser on the Page Load Times of commercial/institutional websites. Did you notice any expected or unexpected behavior?

2. Analyze and discuss the impacts of caching policies implemented by different commercial/institutional websites on the Page Load Times. Consider websites that support HTTP/1.1, HTTP/2 and HTTP/3 (possibly with unsecure and secure connections). Did you notice any expected or unexpected behavior?

3. Analyze and discuss the performance of different commercial/institutional websites obtained under different conditions using the `ab` – Apache HTTP server benchmarking tool. Did you notice any expected or unexpected behavior?

4. Analyze and discuss the performance of different commercial/institutional websites obtained under different conditions using the `nghttp` and `h2load` tools. In the experiments with `h2load` analyze the role of the warm-up time. Did you notice any expected or unexpected behavior?