Lab 3: Web

Understanding HTTP

Goals

1. Analyze waterfall charts and understand resource dependencies in a webpage.

2. Understand the difference between a *persistent* and a *non-persistent* connection.

3. Understand the concept of virtual hosting.

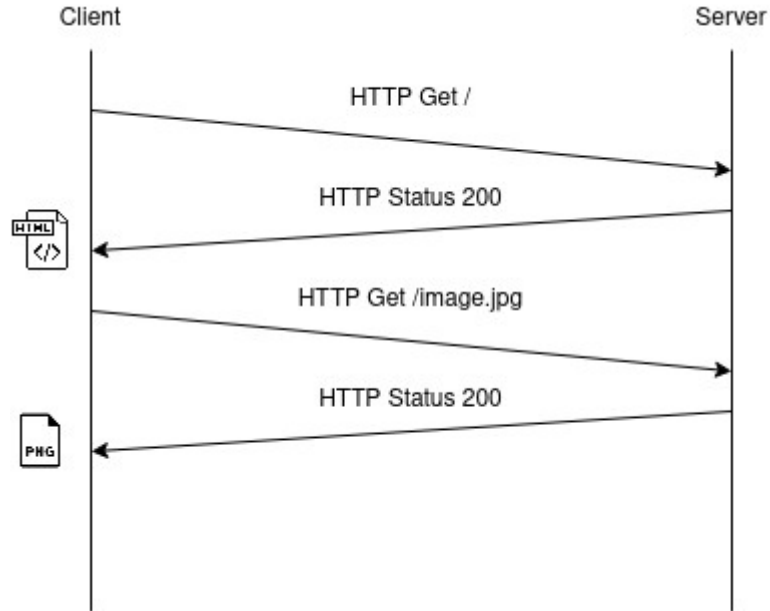4. Show why unencrypted authentication requests passing through a network are unsecure.

Evaluation

- Submit questionnaire on Moodle

  – Lab 3: The Web & The HTTP Protocol

- Submission due
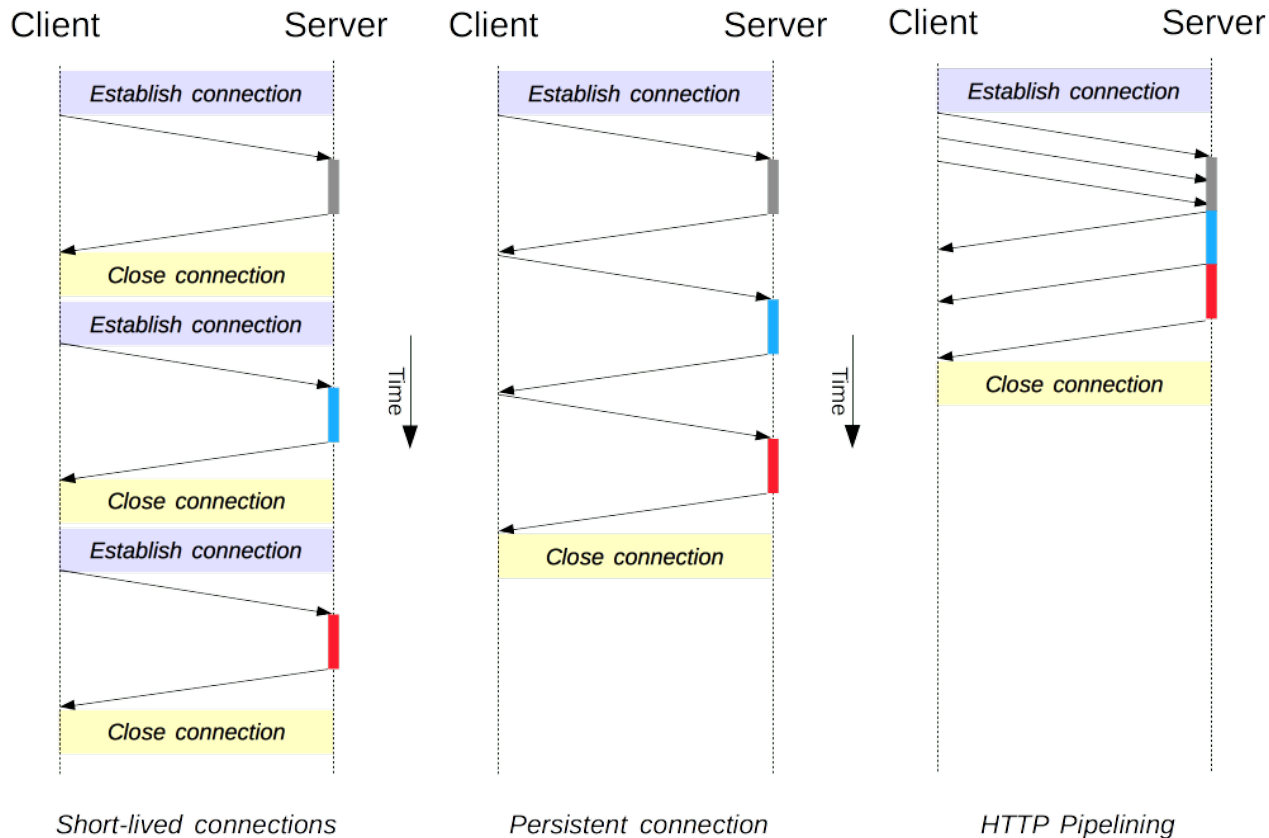
  – Sunday, November 26, 23h59

Web

- HTTP

  - Hypertext Transfer Protocol

  - Application layer protocol

  - Foundation of the world wide web

  - Hypertexts that reference hyperlinks to other resources

- HTTP request types:
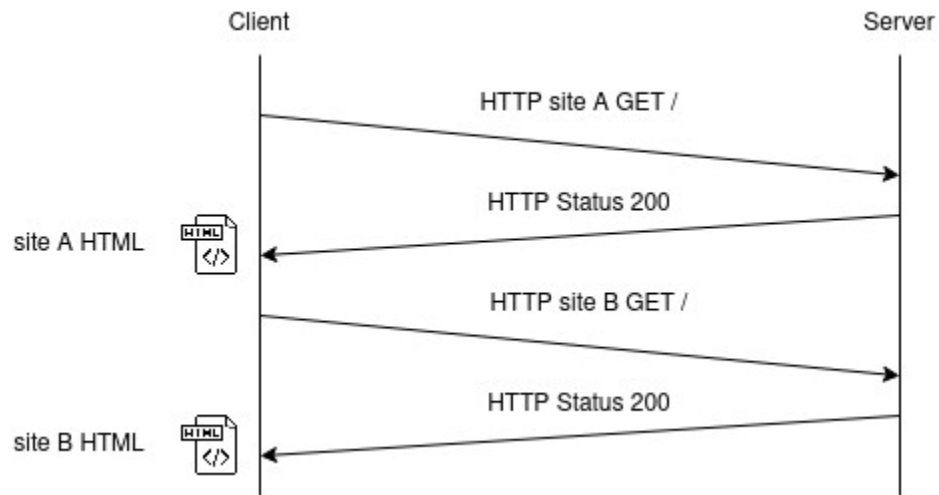
  - GET, POST, PUT, DELETE, ...

Resource Dependencies

Persistent vs. Non-persistent

Short-lived connections

Persistent connection

HTTP Pipelining

Virtual Hosting

Authentication