Terzo laboratorio – incApache

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Debugging e Testing

Entrambi sono stati eseguiti su WSL Ubuntu 22.04 LTS su macchina Win11.

Le pagine web sono state visionate tramite Firefox.

Output

Appena facciamo partire il comando bin/incapache www-root 81, il server accetta la connessione sulla porta 81, la richiesta di tipo GET e si appresta a settare il Cookie.

Il server invia la risposta “200 OK”, quindi manda al Client una richiesta MIME 200.

Accepted connection from 127.0.0.1

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Received the following request:

GET / HTTP/1.1

... method\_str=GET, filename=/ (0=/), protocol=HTTP/1.1 (len=8)

... http\_method=2

http\_option\_line: Host: 127.0.0.1:81

http\_option\_line: User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86\_64; rv:123.0) Gecko/20100101 Firefox/123.0

http\_option\_line: Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,\*/\*;q=0.8

http\_option\_line: Accept-Language: it-IT,it;q=0.8,en-US;q=0.5,en;q=0.3

http\_option\_line: Accept-Encoding: gzip, deflate, br

http\_option\_line: Connection: keep-alive

http\_option\_line: Upgrade-Insecure-Requests: 1

http\_option\_line: Sec-Fetch-Dest: document

http\_option\_line: Sec-Fetch-Mode: navigate

http\_option\_line: Sec-Fetch-Site: none

http\_option\_line: Sec-Fetch-User: ?1

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http\_method=2, filename=index.html

... sending file index.html

... start send\_response(response\_code=200, filename=index.html)

... send\_response(200, index.html): opened file 8

... get\_mime\_type(index.html): was not .css

... get\_mime\_type(index.html): printed filename on mime\_request\_stream

... get\_mime\_type(index.html): got answer text/html; charset=us-ascii

... send\_response(200, index.html): got mime type text/html; charset=us-ascii

... send\_response(200,index.html) : file opened, size=936, mime=text/html; charset=us-ascii

... send\_response(200, index.html) : header prepared

Sending the following response:

HTTP/1.0 200 OK

Date: Fri, 12 Apr 2024 09:27:56 GMT

Set Permanent Cookie: UserID = 0; Expires=Wed, 31 Dec 2023 23:59:59 GMT

Server: incApache 7.0 for SETI.

Connection: close

Content-Length: 936

Content-Type: text/html; charset=us-ascii

Last-Modified: Tue, 28 Nov 2023 09:28:39 GMT

Se proviamo a mandare una richiesta POST dalla pagina index.html, essendo che il metodo relativo non è stato applicato, viene restituita una richiesta MIME 501 e viene aperta la pagina nonexistent.html.

Received the following request:

POST /index.html HTTP/1.1

... method\_str=POST, filename=/index.html (0=/), protocol=HTTP/1.1 (len=8)

... http\_method=4

http\_option\_line: Host: 127.0.0.1:81

http\_option\_line: User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86\_64; rv:123.0) Gecko/20100101 Firefox/123.0

http\_option\_line: Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,\*/\*;q=0.8

http\_option\_line: Accept-Language: it-IT,it;q=0.8,en-US;q=0.5,en;q=0.3

http\_option\_line: Accept-Encoding: gzip, deflate, br

http\_option\_line: Content-Type: application/x-www-form-urlencoded

http\_option\_line: Content-Length: 32

http\_option\_line: Origin: http://127.0.0.1:81

http\_option\_line: Connection: keep-alive

http\_option\_line: Referer: http://127.0.0.1:81/

http\_option\_line: Upgrade-Insecure-Requests: 1

http\_option\_line: Sec-Fetch-Dest: document

http\_option\_line: Sec-Fetch-Mode: navigate

http\_option\_line: Sec-Fetch-Site: same-origin

http\_option\_line: Sec-Fetch-User: ?1

method not implemented

... start send\_response(response\_code=501, filename=POST)

... get\_mime\_type(501\_Method\_Not\_Implemented.html): was not .css

... get\_mime\_type(501\_Method\_Not\_Implemented.html): printed filename on mime\_request\_stream

... get\_mime\_type(501\_Method\_Not\_Implemented.html): got answer text/html; charset=us-ascii

... send\_response(501, POST) : header prepared

Sending the following response:

HTTP/1.0 501 Method Not Implemented

Allow: HEAD,GET

Date: Fri, 12 Apr 2024 09:28:30 GMT

Set Permanent Cookie: UserID = 5; Expires=Wed, 31 Dec 2023 23:59:59 GMT

Server: incApache 7.0 for SETI.

Connection: close

Content-Length: 311

Content-Type: text/html; charset=us-ascii

Last-Modified: Tue, 28 Nov 2023 09:28:39 GMT

... send\_response(501, POST): header sent

... end send\_response(501, POST)

Nella pagina internet40years.html, è possibile cliccare su “read more”, ma essendo che la pagina di arrivo non esiste, viene ritornato l’errore 404 e si apre la pagina nonexistent.html.

Received the following request:

GET /nonexistent.html HTTP/1.1

... method\_str=GET, filename=/nonexistent.html (0=/), protocol=HTTP/1.1 (len=8)

... http\_method=2

http\_option\_line: Host: 127.0.0.1:81

http\_option\_line: User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86\_64; rv:123.0) Gecko/20100101 Firefox/123.0

http\_option\_line: Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,\*/\*;q=0.8

http\_option\_line: Accept-Language: it-IT,it;q=0.8,en-US;q=0.5,en;q=0.3

http\_option\_line: Accept-Encoding: gzip, deflate, br

http\_option\_line: Connection: keep-alive

http\_option\_line: Referer: http://127.0.0.1:81/internet40years.html

http\_option\_line: Upgrade-Insecure-Requests: 1

http\_option\_line: Sec-Fetch-Dest: document

http\_option\_line: Sec-Fetch-Mode: navigate

http\_option\_line: Sec-Fetch-Site: same-origin

http\_option\_line: Sec-Fetch-User: ?1

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http\_method=2, filename=nonexistent.html

... file nonexistent.html not found!

... start send\_response(response\_code=404, filename=nonexistent.html)

... get\_mime\_type(404\_Not\_Found.html): was not .css

... get\_mime\_type(404\_Not\_Found.html): printed filename on mime\_request\_stream

... get\_mime\_type(404\_Not\_Found.html): got answer text/html; charset=us-ascii

... send\_response(404, nonexistent.html) : header prepared

Sending the following response:

HTTP/1.0 404 Not Found

Date: Fri, 12 Apr 2024 09:31:51 GMT

Set Permanent Cookie: UserID = 14; Expires=Wed, 31 Dec 2023 23:59:59 GMT

Server: incApache 7.0 for SETI.

Connection: close

Content-Length: 250

Content-Type: text/html; charset=us-ascii

Last-Modified: Tue, 28 Nov 2023 09:28:39 GMT

... send\_response(404, nonexistent.html): header sent

... end send\_response(404, nonexistent.html)