

# TryHackMe Web Fundamentals

## Task 1: Introduction and objectives

- Đọc hiểu thông tin

## Task 2: How do we load websites?

- GET is an example of a HTTP verb, which are the different types of request (More on these later). The server will respond to the GET request with the web page content. If the web page is
- By default, HTTP runs on port 80 and HTTPS runs on port 443.
- CSS allows you to change how the page looks and make it look fancy.

## Task 3: More HTTP - Verbs and request formats

- POST requests are used to send data to a web server, like adding a comment or performing a login.
- We've mentioned GET requests already, these are used to retrieve content.
- For GET requests, a body is allowed but will mostly be ignored by the server.
- **418 I'm a teapot**  
The server refuses the attempt to brew coffee with a teapot.
- 401 Unauthorized  
Although the HTTP standard specifies "unauthorized", semantically this response means "unauthenticated". That is, the client must authenticate itself to get the requested response.

#### Task 4: Cookies, tasty!

- Đọc hiểu thông tin

#### Task 5: Mini CTF

Ta dùng curl trên terminal để giải quyết những câu đầu.

- Ta vào terminal nhập vào “curl http://10.10.71.202:8081”

```
<body>
  <h1>Flags:</h1>
  <ul>
    <li>GET request. /ctf/get</li>
    <li>POST request. /ctf/post</li>
    <li>Get a cookie. /ctf/getcookie</li>
    <li>Set a cookie. /ctf/sendcookie</li>
  </ul>
</body>
</html>
```

Tiếp theo ta nhập “curl http://10.10.71.202:8081/ctf/get” ta được flag

```
hm{162520bec925bd7979e9ae65a725f99f}
```

- Tương tự ta cũng nhập vào terminal “curl http://10.10.32.216:8081/ctf/post -X POST --data flag\_please” ta cũng sẽ được flag

```
(tuando@kali)-[~]
$ curl http://10.10.71.202:8081/ctf/post -X POST --data flag_please
thm{3517c902e22def9c6e09b99a9040ba09}
```

- Ta vào firefox vào URL <http://10.10.71.202:8081/ctf/getcookie> sau đó bấm F12 rồi vào storage vào cookie ta được.

flag	thm{91b1ac260...	10.10.71.202	/
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- Tương tự câu trên ta vào thay đổi cookie thành “flagpls” và refresh lại trang ta được:

```
thm{c10b5cb7546f359d19c747db2d0f47b3}
```