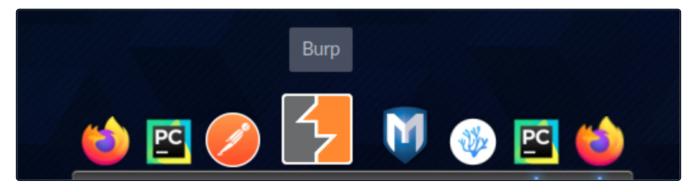
# **Request and Response**

Note: You can follow along by spawning the target at the end of this section.

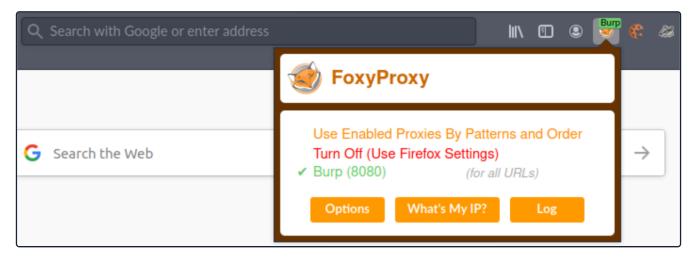
### **Setting up Burp Suite**

Before we move further, let's look at how to set up Burp Suite. Burp Suite is a tool that acts as a proxy server and can be used to examine and modify HTTP requests. It provides a proxy that can route traffic from the browser through the proxy and view the various requests and responses between the client (web browser) and the webserver.

Start the target instance from the Questions section below. Next, open your workstation instance and then click on the Burp icon on the bottom bar.

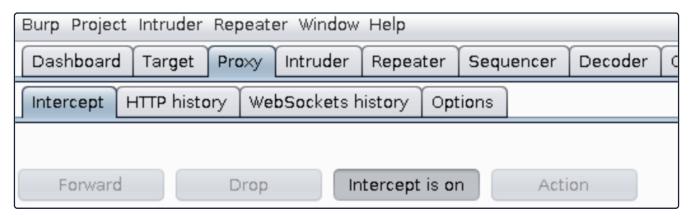


Close any of the prompts and then click on Next > Start Project. Now open Firefox and click on the FoxyProxy extension on the URL bar. Choose Burp from the list; this is the Burp proxy, which our requests will be routed through.



In Burp, click on the Proxy tab and ensure that the Intercept is on button is enabled. Click on Forward in case the request box is populated already until it's empty.

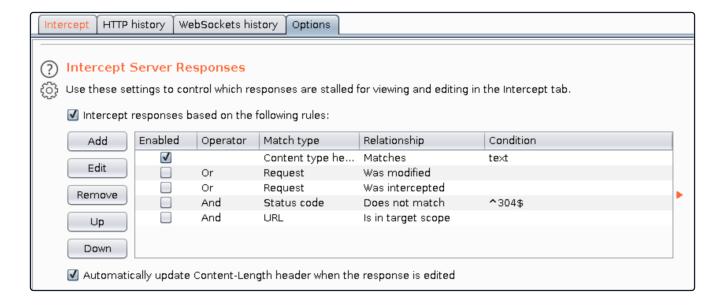




Switch to the browser and enter the target URL into the URL bar (http://SERVER\_IP:PORT as will be shown in the exercise at the end).



After this, the request should be intercepted by Burp and appear as above. In order to intercept responses, click on Options and tick Intercept Server responses.



```
Response from http://206.189.25.23:30147/
    Forward
                                   Intercept is on
                      Drop
                                                       Action
 Raw
       Headers
                 Hex
                       Render
1 HTTP/1.1 200 OK
2 Date: Thu, 05 Nov 2020 08:13:15 GMT
3 Server: Apache/2.4.46 (Unix)
4 Last-Modified: Mon, 11 Jun 2007 18:53:14 GMT
5 ETag: "2d-432a5e4a73a80"
6 Accept-Ranges: bytes
7 Content-Length: 45
8 Connection: close
9 Content-Type: text/html
10
11 <html>
     <body>
       < h1>
         It works!
       </h1>
     </body>
   </html>
```

This should present us with the server response, as shown above. Click on Forward to forward this to the browser.

### **HTTP Request**

Let's look at a raw HTTP request, as seen from Burp.

```
HTTP Method Path HTTP version

GET /users/login.html HTTP/1.1

Host: inlanefreight.com
User-Agent: Mozilla/5.0 (Ubuntu; Linux x86_64;) Firefox/78.0

Accept: text/html,application/xhtml+xml,application/xml
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Content-Type: text/html; charset=UTF-8

Header values
```

## **HTTP Response**

Next, let's look at a raw HTTP response.





Connected to htb-45lefg5qzd.htb-cloud.com:1 (htb-ac330005)

#### **Questions**

Answer the question(s) below to complete this Section and earn cubes!

