Lab 9

Web Based Attacks

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Presented To – Ian Coston

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Introduction

In this lab, you will be familiar with web application scanning techniques, spidering, cross site scripting attacks using BeFF, SQL injection attacks.

Pre-Lab

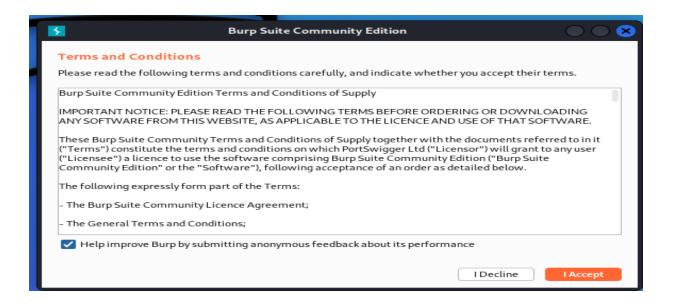
For this lab, you will require Kali Linux and Windows 7 machines,

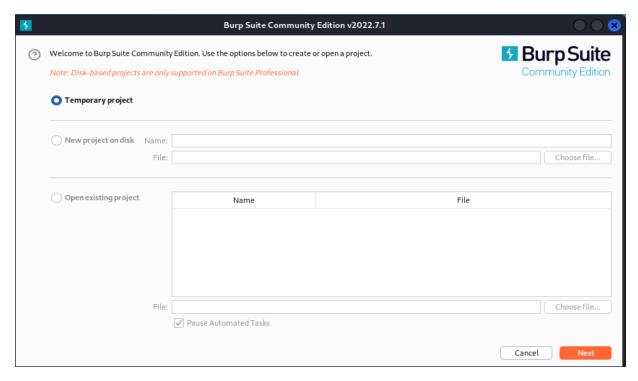
Practical

1. Using Burp Suite

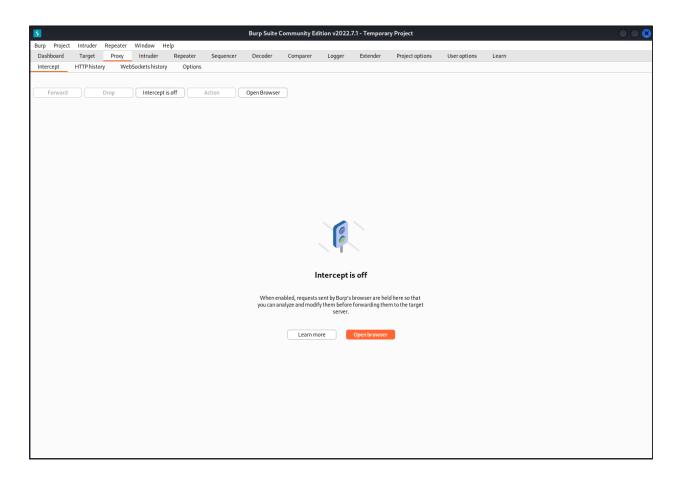
Within Kali, select "Applications" - "Web Applications Analysis" - "Burpsuite"

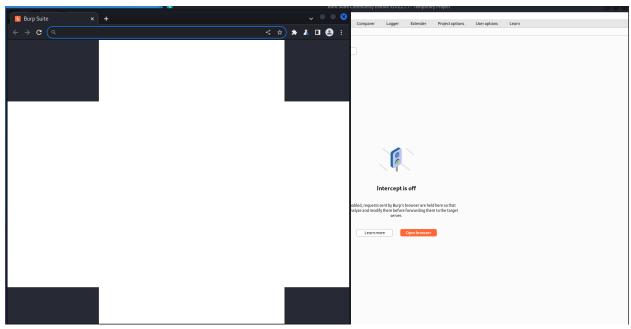
After opening Burp Suite, accept the terms and conditions and select "Temporary project" and then select "Start Burp". If you receive a message about Java, simply click "okay"



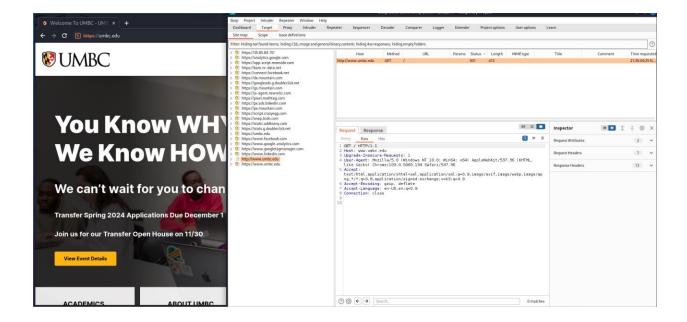


Within Burp, select the Proxy tab to confirm "Intercept is off" and then click "Open Browser" to launch a Burp Browser to interact with website destinations.



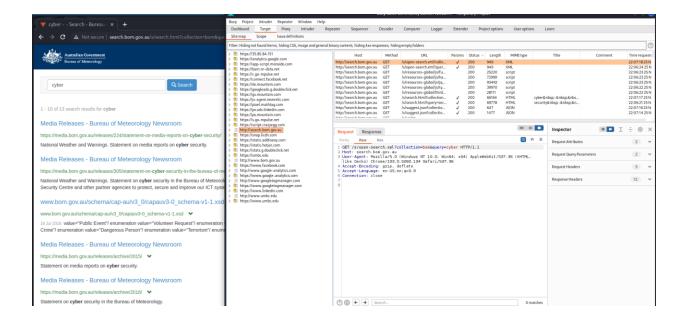


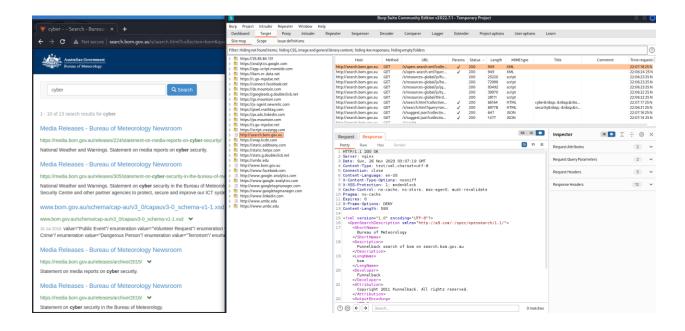
Within Burp, select the Target tab to bring it to focus to monitor the "targets" that are found while browsing websites. Within your Burp browser, go to http://www.umbc.edu



Within your Burp browser, go to http://www.bom.gov.au/ and perform a couple searches.

Within the target tab of Burp, highlight the entries related to the searches you performed and take note of the request and response tabs.

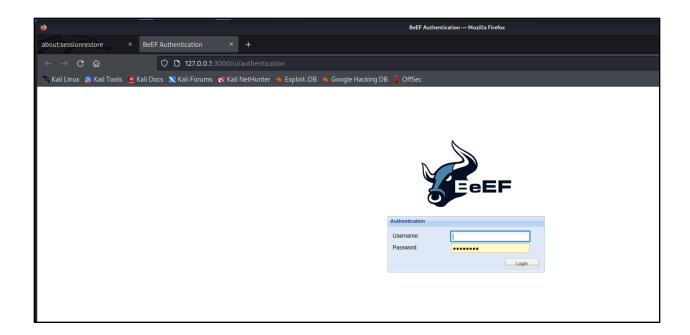




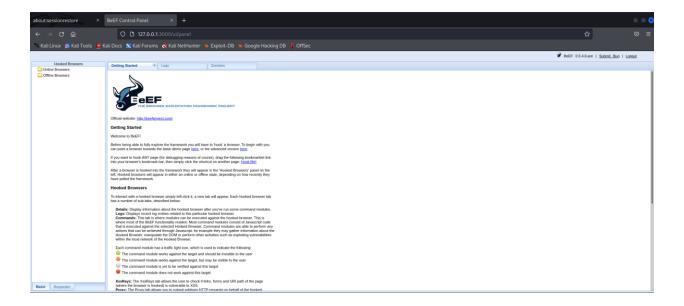
2. Using BeEF

Within Kali, open BeEF by clicking on "Applications" – "Exploitation Tools" – "BeEF XSS Framework"

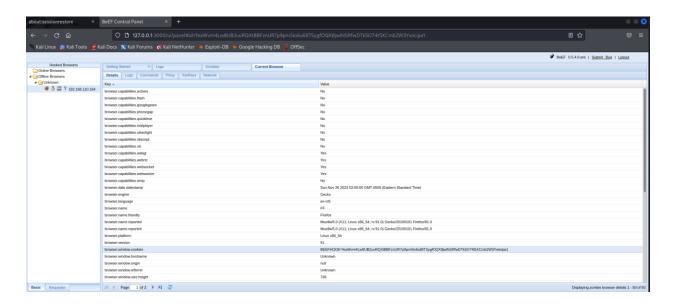
```
File Actions Edit View Help
$ sudo beef-xss
[sudo paek-xss]
[s
```



Once BeEF has loaded, access it within Kali by going to http://127.0.0.1:3000/ui/panel with the default credentials of username "beef" and password "beefbeef"



Create an HTML file in the /var/www/html directory that references the hook.js file that you can access from another computer.



```
(kali kali) - [/var/www/html]
$ sudo chmod 777 beef.html
[sudo] password for kali:
kali
Sorry, try again.
[sudo] password for kali:
chmod: cannot access 'beef.html': No such file or directory

(kali kali) - [/var/www/html]
$ sudo touch beef.html

(kali kali) - [/var/www/html]
$ sudo chmod 777 beef.html
```