

Assignment 6

Network Security

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Changing Text in Webpage Using Fiddler, Man in the Middle

Here we want to change XAMP webpage text replacing all XAMPP words with UNB. I changed all of it to UNB HERE! Just for fun and have difference.

The first XAMPP page looks like below:

Graphical user interface, text, application, email

Description automatically generated

You can see there are 3 XAMPP word just in this image.

In the Handson we first changed the XAMPP logo with different image like wampp server logo. We used Fiddler Autoresponse to change the image. We added a rule that if the image was requested it changes to something else like below:

Graphical user interface, text, application

Description automatically generated

It looks like below after doing so in ubuntu victim:

Graphical user interface, text, application, email

Description automatically generated

Then we wanted to changed the text of the webpage. For this we have to use fiddler script tab. It is used to write scripts for changing responses or requests that comes from different host.

We added our script in the OnBeforeResponse function of the fiddler script. It looks like below:

Graphical user interface, text, application

Description automatically generated with medium confidence

The figure is just for one function out of many functions in fiddler script. There are also functions for before request and response as well as peek response and request that can be modified.

Script:

|  |
| --- |
| if(oSession.HostnameIs("192.168.1.2") && oSession.oResponse.headers.ExistsAndContains("Content-Type","text/html")){  oSession.utilDecodeResponse();  oSession.utilReplaceInResponse('XMAPP','UNB');} |

After saving the script and refreshing the page in ubuntu victim we can see below:

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

We can see that every where that had the word “XAMPP” in it got replaced by “UNB HERE” as it was indicated in the script.

We can change any html or css in the web page using fiddler script.

Also we can change the request to redirect any request to that page to any malicious webpage that may endanger user computer with worms or adware.