Kioptrix Level 1

Nmap O /P :-

```
Nmap scan report for 192.168.240.142
Host is up (0.0021s latency).
Not shown: 65529 closed ports
PORT STATE SERVICE
                     VERSION
22/tcp open ssh
                     OpenSSH 2.9p2 (protocol 1.99)
ssh-hostkey:
   1024 b8:74:6c:db:fd:8b:e6:66:e9:2a:2b:df:5e:6f:64:86 (RSA1)
  1024 8f:8e:5b:81:ed:21:ab:c1:80:e1:57:a3:3c:85:c4:71 (DSA)
1024 ed:4e:a9:4a:06:14:ff:15:14:ce:da:3a:80:db:e2:81 (RSA)
_sshv1: Server supports SSHv1
80/tcp open http Apache httpd 1.3.20 ((Unix) (Red-Hat/Linux)
mod ss1/2.8.4 OpenSSL/0.9.6b)
http-methods:
   Supported Methods: GET HEAD OPTIONS TRACE
Potentially risky methods: TRACE
http-server-header: Apache/1.3.20 (Unix) (Red-Hat/Linux) mod ssl/2.8.4
OpenSSL/0.9.6b
_http-title: Test Page for the Apache Web Server on Red Hat Linux
111/tcp open rpcbind 2 (RPC #100000)
| rpcinfo:
   program version port/proto service
   100000 2
                      111/tcp rpcbind
   100000 2
                     111/udp rpcbind
| 100024 1
|_ 100024 1
                      1024/tcp status
                      1024/udp status
139/tcp open netbios-ssn Samba smbd (workgroup: MYGROUP)
443/tcp open ssl/https Apache/1.3.20 (Unix) (Red-Hat/Linux)
mod ss1/2.8.4 OpenSSL/0.9.6b
http-methods:
Supported Methods: GET HEAD POST
|_http-server-header: Apache/1.3.20 (Unix) (Red-Hat/Linux) mod_ssl/2.8.4
OpenSSL/0.9.6b
|_http-title: 400 Bad Request
| ssl-cert: Subject:
commonName=localhost.localdomain/organizationName=SomeOrganization/stateOrP
rovinceName=SomeState/countryName=--
| Issuer:
commonName=localhost.localdomain/organizationName=SomeOrganization/stateOrP
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```
rovinceName=SomeState/countryName=--
| Public Key type: rsa
| Public Key bits: 1024
Signature Algorithm: md5WithRSAEncryption
Not valid before: 2009-09-26T09:32:06
Not valid after: 2010-09-26T09:32:06
MD5: 78ce 5293 4723 e7fe c28d 74ab 42d7 02f1
SHA-1: 9c42 91c3 bed2 a95b 983d 10ac f766 ecb9 8766 1d33
| ssl-date: 2021-04-29T08:40:54+00:00; +1m49s from scanner time.
sslv2:
   SSLv2 supported
   ciphers:
     SSL2_DES_192_EDE3_CBC_WITH_MD5
     SSL2 RC2 128 CBC WITH MD5
     SSL2_RC4_64_WITH_MD5
     SSL2 RC4 128 WITH MD5
     SSL2 RC2 128 CBC EXPORT40 WITH MD5
     SSL2_DES_64_CBC_WITH_MD5
     SSL2 RC4 128 EXPORT40 WITH MD5
1024/tcp open status 1 (RPC #100024)
Host script results:
clock-skew: 1m48s
| nbstat: NetBIOS name: KIOPTRIX, NetBIOS user: <unknown>, NetBIOS MAC:
<unknown> (unknown)
| Names:
   KIOPTRIX<00>
                 Flags: <unique><active>
   KIOPTRIX<03>
                     Flags: <unique><active>
                     Flags: <unique><active>
   KIOPTRIX<20>
   \x01\x02 MSBROWSE \x02<01> Flags: <group><active>
   MYGROUP<00>
                     Flags: <group><active>
                     Flags: <unique><active>
   MYGROUP<1d>
  MYGROUP<1e>
                     Flags: <group><active>
 _smb2-time: Protocol negotiation failed (SMB2)
```

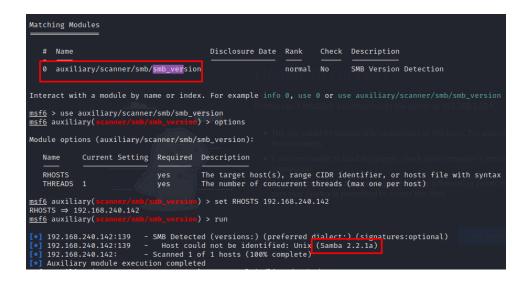
Nikto:-

```
- Nikto v2.1.6
+ Target IP:
                        192.168.240.142
+ Target Hostname:
                       192.168.240.142
+ Target Port:
                       2021-04-29 05:00:35 (GMT-4)
+ Server: Apache/1.3.20 (Unix) (Red-Hat/Linux) mod_ssl/2.8.4
OpenSSL/0.9.6b
+ Server may leak inodes via ETags, header found with file /, inode: 34821,
size: 2890, mtime: Wed Sep 5 23:12:46 2001
+ The anti-clickjacking X-Frame-Options header is not present.
+ The X-XSS-Protection header is not defined. This header can hint to the
user agent to protect against some 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
+ OSVDB-27487: Apache is vulnerable to XSS via the Expect header
+ OpenSSL/0.9.6b appears to be outdated (current is at least 1.1.1).
OpenSSL 1.0.0o and 0.9.8zc are also current.
+ mod_ss1/2.8.4 appears to be outdated (current is at least 2.8.31) (may
depend on server version)
+ Apache/1.3.20 appears to be outdated (current is at least Apache/2.4.37).
Apache 2.2.34 is the EOL for the 2.x branch.
+ Allowed HTTP Methods: GET, HEAD, OPTIONS, TRACE
+ OSVDB-877: HTTP TRACE method is active, suggesting the host is vulnerable
to XST
+ OSVDB-838: Apache/1.3.20 - Apache 1.x up 1.2.34 are vulnerable to a
remote DoS and possible code execution. CAN-2002-0392.
+ OSVDB-4552: Apache/1.3.20 - Apache 1.3 below 1.3.27 are vulnerable to a
local buffer overflow which allows attackers to kill any process on the
system. CAN-2002-0839.
+ OSVDB-2733: Apache/1.3.20 - Apache 1.3 below 1.3.29 are vulnerable to
overflows in mod_rewrite and mod_cgi. CAN-2003-0542.
+ mod_ss1/2.8.4 - mod_ss1 2.8.7 and lower are vulnerable to a remote buffer
overflow which may allow a remote shell.
```

```
http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2002-0082, OSVDB-756.
+ ///etc/hosts: The server install allows reading of any system file by
adding an extra '/' to the URL.
+ OSVDB-682: /usage/: Webalizer may be installed. Versions lower than
2.01-09 vulnerable to Cross Site Scripting (XSS).
+ OSVDB-3268: /manual/: Directory indexing found.
+ OSVDB-3092: /manual/: Web server manual found.
+ OSVDB-3268: /icons/: Directory indexing found.
+ OSVDB-3233: /icons/README: Apache default file found.
+ OSVDB-3092: /test.php: This might be interesting...
/wp-content/themes/twentyeleven/images/headers/server.php?filesrc=/etc/host
s: A PHP backdoor file manager was found.
/wordpresswp-content/themes/twentyeleven/images/headers/server.php?filesrc=
/etc/hosts: A PHP backdoor file manager was found.
+ /wp-includes/Requests/Utility/content-post.php?filesrc=/etc/hosts: A PHP
backdoor file manager was found.
/wordpresswp-includes/Requests/Utility/content-post.php?filesrc=/etc/hosts:
A PHP backdoor file manager was found.
+ /wp-includes/js/tinymce/themes/modern/Meuhy.php?filesrc=/etc/hosts: A PHP
backdoor file manager was found.
/wordpresswp-includes/js/tinymce/themes/modern/Meuhy.php?filesrc=/etc/hosts
: A PHP backdoor file manager was found.
+ /assets/mobirise/css/meta.php?filesrc=: A PHP backdoor file manager was
found.
+ /login.cgi?cli=aa%20aa%27cat%20/etc/hosts: Some D-Link router remote
command execution.
+ /shell?cat+/etc/hosts: A backdoor was identified.
+ 8725 requests: 0 error(s) and 30 item(s) reported on remote host
                       2021-04-29 05:01:44 (GMT-4) (69 seconds)
+ 1 host(s) tested
```

Lets find Samba Version :-

Metasploit scanner "scanner/smb/smb_version"



Its "Samba 2.2.1a"

Lets find publicly available exploits

Searchsploit :-

```
(Kali@ kali)-[~]
$ searchsploit Samba 2.2.1a

Exploit Title

Samba 2.2.0 < 2.2.8 (OSX) - trans2open Overflow (Metasploit)

samba < 2.2.8 (Linux/BSD) - Remote Code Execution

samba < 3.0.20 - Remote Heap Overflow

samba < 3.6.2 (X86) - Denial of Service (PoC)

Shellcodes: No. Results
```

Tried exploiting with "Samba < 2.2.8 (Linux/BSD) - Remote Code Execution" but didn't work out.

Moved to Metasploitable exploit "linux/samba/trans2open"

Set all the necessary requirements in the exploit and run it