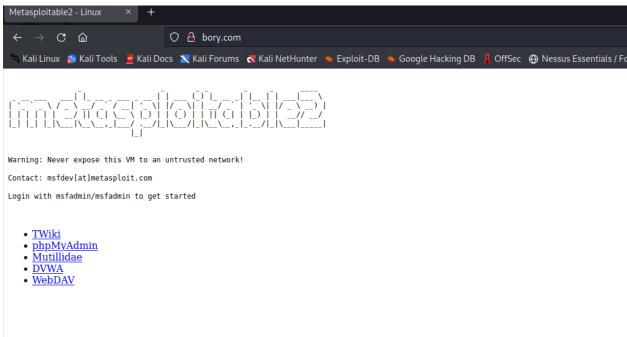
Trần Minh Triết

SE172241

Đầu tiên ta tiến hành cài máy metasploitable config địa chỉ IP về thành 192.168.159.50

Sang máy kali config lại file /etc/hosts để có thể dùng domain để truy cập vào trnag web





Vào làm lab thui

Finding vulnerabilities with OpenVAS

Tiến hành update hệ thống

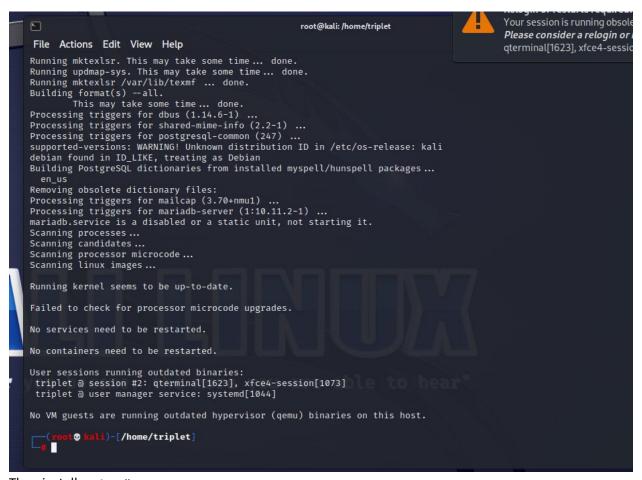
```
File Actions Edit View Help

Gett:450 http://mirror.aktkn.sg/kali kali-rolling/main amd64 libravle0 amd64 0.5.1-6 [763 kB]
Gett:450 http://mirror.aktkn.sg/kali kali-rolling/main i 386 libravle0 i 386 0.5.1-6 [615 kB]
Gett:451 http://mirror.aktkn.sg/kali kali-rolling/main i 386 libravle0 i 386 0.5.1-6 [615 kB]
Gett:452 http://mirror.aktkn.sg/kali kali-rolling/main i 386 libravle0 i 386 0.1.9-3 [27.7 kB]
Gett:453 http://mirror.aktkn.sg/kali kali-rolling/main amd64 libravle0 i 386 0.1.9-3 [27.7 kB]
Gett:455 http://mirror.aktkn.sg/kali kali-rolling/main amd64 libravle0 i amd64 0.7.0-10 [1,066 kB]
Gett:455 http://http.kali.org/kali kali-rolling/main amd64 libravle0 i amd64 0.7.0-10 [1,066 kB]
Gett:455 http://http.kali.org/kali kali-rolling/main amd64 libravle0 i amd64 2.10.0-dfsg1-1 [270 kB]
Gett:459 http://http.kali.org/kali kali-rolling/main amd64 libravle0 i amd64 2.10.0-dfsg1-1 [270 kB]
Gett:459 http://http.kali.org/kali kali-rolling/main amd64 libravle0 i amd64 2.10.0-dfsg1-1 [372 kB]
Gett:461 http://http.kali.org/kali kali-rolling/main amd64 libravle0 i amd64 2.10.0-dfsg1-1 [372 kB]
Gett:461 http://mirror.aktkn.sg/kali kali-rolling/main amd64 dale-rolling/main amd64 s182 kB]
Gett:462 http://http.kali.org/kali kali-rolling/main amd64 dale-rolling/main amd64 s182 kB]
Gett:463 http://http.kali.org/kali kali-rolling/main amd64 dale-rolling/main amd64 s182 kB]
Gett:465 http://http.kali.org/kali kali-rolling/main amd64 gdl-rolling/main amd64 s182 kB]
Gett:465 http://mirror.aktkn.sg/kali kali-rolling/main amd64 gdl-rolling/main amd64 s182 kB]
Gett:470 http://mi
```

Successfully update and upgrade



Chạy thành công câu lệnh apt dist-upgrade



Then install apt install openvas



Setup database cho open-vas

| | | | | ☆ |
|---|-------------------|-------------|----------------------|---|
| S SSIIS Essentials / En | | root@l | kali: /home/triplet | |
| ssus Essentials / Fo | | 1001@1 | Radi. / Home/criptec | |
| File Actions Edit View | Help | | | |
| 4,415,663 100% 51 nvdcve-2.0-2004.xml | 11.53kB/s 0:00:08 | (xfr#3, to- | chk=42/46) | |
| 9,085,319 100% 39 nvdcve-2.0-2005.xml | 96.78kB/s 0:00:22 | (xfr#4, to- | chk=41/46) | |
| 14,636,165 100% 63 nvdcve-2.0-2006.xml | 37.94kB/s 0:00:22 | (xfr#5, to- | chk=40/46) | |
| 23,991,868 100% 56 nvdcve-2.0-2007.xml | 64.36kB/s 0:00:41 | (xfr#6, to- | chk=39/46) | |
| 23,106,606 100% 54 nvdcve-2.0-2008.xml | 43.96kB/s 0:00:41 | (xfr#7, to- | chk=38/46) | |
| 24,677,010 100% 49 nvdcve-2.0-2009.xml | 95.85kB/s 0:00:48 | (xfr#8, to- | chk=37/46) | |
| 21,655,222 100% 55 nvdcve-2.0-2010.xml | 55.41kB/s 0:00:38 | (xfr#9, to- | chk=36/46) | |
| 22,559,083 100% 61 nvdcve-2.0-2011.xml | 10.12kB/s 0:00:36 | (xfr#10, to | -chk=35/46) | |
| 22,480,253 100% 75 nvdcve-2.0-2012.xml | 59.29kB/s 0:00:28 | (xfr#11, to | -chk=34/46) | |
| 25,143,466 100% 61 nvdcve-2.0-2013.xml | 16.64kB/s 0:00:39 | (xfr#12, to | -chk=33/46) | |
| 28,531,770 100% 62 nvdcve-2.0-2014.xml | 23.01kB/s 0:00:44 | (xfr#13, to | -chk=32/46) | |
| 30,313,348 100% 52 nvdcve-2.0-2015.xml | 25.03kB/s 0:00:56 | (xfr#14, to | -chk=31/46) | |
| 32,574,071 100% 40 nvdcve-2.0-2016.xml | 02.90kB/s 0:01:18 | (xfr#15, to | -chk=30/46) | |
| 44,082,674 100% 55 nvdcve-2.0-2017.xml | | (xfr#16, to | | |
| 64,153,299 100% 61 nvdcve-2.0-2018.xml | 19.76kB/s 0:01:41 | (xfr#17, to | -chk=28/46) | |
| 76,462,208 100% 73 nvdcve-2.0-2019.xml | | (xfr#18, to | | |
| 93,279,024 100% 60 nvdcve-2.0-2020.xml | 06.84kB/s 0:02:30 | (xfr#19, to | -chk=26/46) | |
| 93,170,785 100% 66 nvdcve-2.0-2021.xml | 62.56kB/s 0:02:17 | (xfr#20, to | -chk=25/46) | |
| 39,550,976 38% 83 | 33.89kB/s 0:01:16 | | | |

```
•
                                                          root@kali: /home/triplet
File Actions Edit View Help
       3,128,215 100% 542.13kB/s
                                         0:00:05 (xfr#23, to-chk=9/33)
dfn-cert-2018.xml
3,535,507 100% 482.55kB/s
                                         0:00:07 (xfr#24, to-chk=8/33)
dfn-cert-2019.xml
       3,552,101 100% 366.38kB/s
                                         0:00:09 (xfr#25, to-chk=7/33)
dfn-cert-2020.xml
       3,662,073 100% 882.37kB/s
                                         0:00:04 (xfr#26, to-chk=6/33)
dfn-cert-2021.xml
       3,615,352 100% 631.03kB/s
                                         0:00:05 (xfr#27, to-chk=5/33)
dfn-cert-2022.xml
                                         0:00:08 (xfr#28, to-chk=4/33)
       4,219,618 100% 498.82kB/s
dfn-cert-2023.xml
         725,031 100% 326.59kB/s
                                         0:00:02 (xfr#29. to-chk=3/33)
sha256sums
          2,509 100%
                           2.39MB/s
                                         0:00:00 (xfr#30, to-chk=2/33)
sha256sums.asc
             833 100% 813.48kB/s
                                         0:00:00 (xfr#31, to-chk=1/33)
              13 100% 12.70kB/s
                                         0:00:00 (xfr#32, to-chk=0/33)
sent 771 bytes received 100,611,771 bytes 600,671.89 bytes/sec total size is 100,567,827 speedup is 1.00
[+] GVM feeds updated
[*] Checking Default scanner
[*] Modifying Default Scanner
Scanner modified.
[+] Done
[*] Please note the password for the admin user
[*] User created with password '0a511e02-176b-4560-a59a-d680d71de4d4'.
[>] You can now run gvm-check-setup to make sure everything is correctly configured
         🐯 kali)-[/home/triplet]
```

We finally finish the installation.

```
[>] You can now run gvm-check-setup to make sure everything is correctly configured
                 li)-[/home/triplet]
 [>] Please wait for the GVM services to start.
[>1
     You might need to refresh your browser once it opens.
      Web UI (Greenbone Security Assistant): https://127.0.0.1:9392

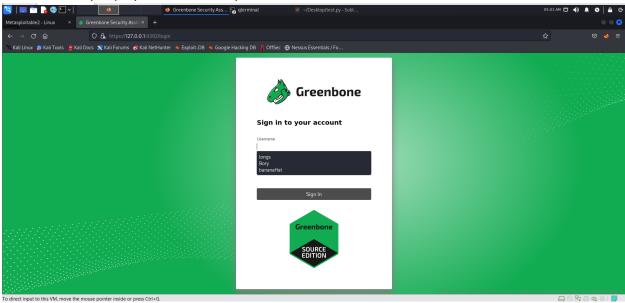
    gsad.service - Greenbone Security Assistant daemon (gsad)

       Loaded: loaded (/lib/systemd/system/gsad.service; disabled; preset: disabled)
Active: active (running) since Mon 2023-03-13 04:58:34 EDT; 10ms ago
          Docs: man:gsad(8)
                  https://www.greenbone.net
    Main PID: 5466 (gsad)
Tasks: 1 (limit: 4553)
       Memory: 188.0K
          CPU: 1ms
       CGroup: /system.slice/gsad.service
L5466 /usr/sbin/gsad --foreground --listen 127.0.0.1 --port 9392
Mar 13 04:58:34 kali systemd[1]: Starting gsad.service - Greenbone Security Assistant daemon (gsad)...
Mar 13 04:58:34 kali systemd[1]: Started gsad.service - Greenbone Security Assistant daemon (gsad).

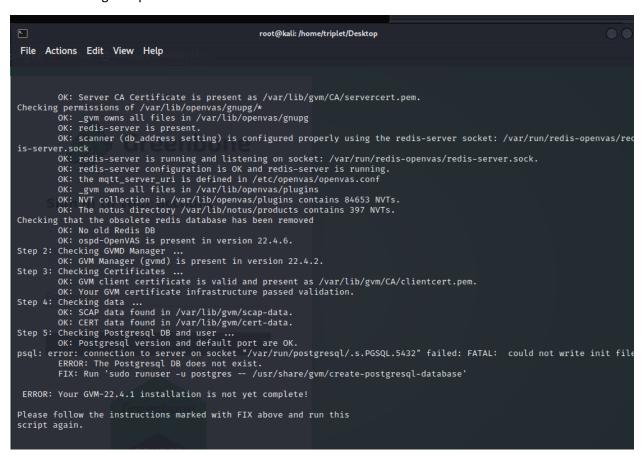
    gvmd.service - Greenbone Vulnerability Manager daemon (gvmd)
        Loaded: loaded (/lib/systemd/system/gvmd.service; disabled; preset: disabled)
        Active: active (running) since Mon 2023-03-13 04:58:29 EDT; 5s ago

         Docs: man:gvmd(8)
      Process: 5422 ExecStart=/usr/sbin/gvmd --osp-vt-update=/run/ospd/ospd.sock --listen-group=_gvm (code=exited, status=0
 /SUCCESS)
     Main PID: 5423 (gvmd)
         Tasks: 6 (limit: 4553)
       Memory: 481.7M
```

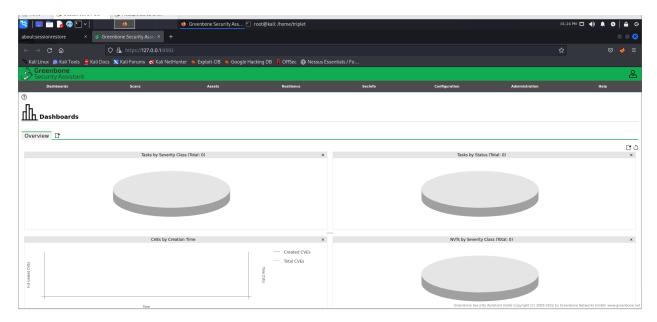
We successfully deploy the web UI of openvas



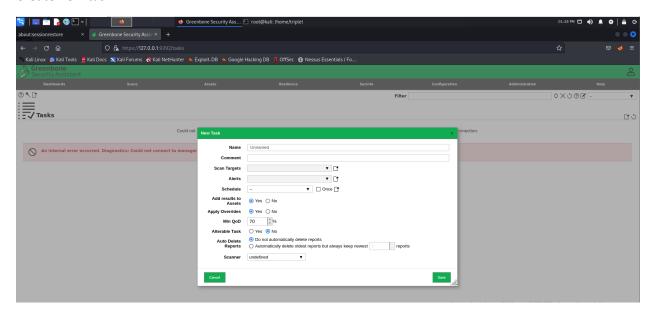
Check the config of openvas



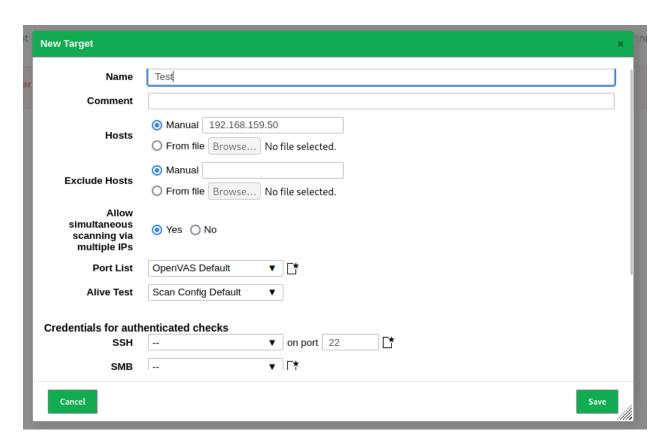
Login success into this interface



Create new task



Ta define địa chỉ IP sẽ tấn công là địa chỉ máy metasploitable



Web server scanning with Nikto

