

TASK 1

```
Aug 4 9:18 PM
kali@kali: ~
└─$ sudo nmap -sS 192.168.1.50
Nmap scan report for 192.168.1.50
Host is up (0.00042s latency).
All 1000 scanned ports on 192.168.1.50 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)

Nmap scan report for 192.168.1.60
Host is up (0.00049s latency).
All 1000 scanned ports on 192.168.1.60 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)

Nmap scan report for 192.168.1.61
Host is up (0.00038s latency).
All 1000 scanned ports on 192.168.1.61 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)

Nmap scan report for 192.168.1.62
Host is up (0.00028s latency).
All 1000 scanned ports on 192.168.1.62 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)

Nmap scan report for 192.168.1.63
Host is up (0.00041s latency).
All 1000 scanned ports on 192.168.1.63 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)

Nmap scan report for 192.168.1.64
Host is up (0.00037s latency).
All 1000 scanned ports on 192.168.1.64 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)

Nmap scan report for 192.168.1.65
Host is up (0.00052s latency).
All 1000 scanned ports on 192.168.1.65 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)

Nmap scan report for 192.168.1.66
Host is up (0.00041s latency).
All 1000 scanned ports on 192.168.1.66 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)

Nmap scan report for 192.168.1.67
Host is up (0.00038s latency).
All 1000 scanned ports on 192.168.1.67 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)

Nmap scan report for 192.168.1.68
Host is up (0.00031s latency).
All 1000 scanned ports on 192.168.1.68 are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)

[Ctrl+C]
```

```
(kali@kali)-[~]
└─$ sudo nmap -sS 129.88.68.81
Starting Nmap 7.94SVN ( https://nmap.org ) at 2025-08-04 21:07 IST
Nmap scan report for lig-groix-mesures-81.imag.fr (129.88.68.81)
Host is up (0.20s latency).
Not shown: 997 filtered tcp ports (no-response), 1 filtered tcp ports (admin-prohibited)
PORT      STATE SERVICE
80/tcp    open  http
443/tcp   open  https

Nmap done: 1 IP address (1 host up) scanned in 14.34 seconds
```

Introduced through
NVD Description
Note: Versions in
Description. See how
A cleartext version
requested verbally to

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*eth0

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Apply a display filter: <Ctrl>F

No.	Time	Source	Destination	Protocol	Length	Info
1088	283.21551510	Dell_e8:53:84	Broadcast	ARP	60	Who has 172.16.3.105? Tell 172.16.4.2
1089	283.215925205	172.16.178.254	224.0.0.22	IGMPv3	60	Membership Report / Join group 224.0.0.251 for any sources
1090	283.216758424	172.16.146.29	224.0.0.22	IGMPv3	60	Membership Report / Join group 224.0.0.251 for any sources
1091	283.226312218	172.16.24.7	224.0.0.22	IGMPv3	60	Membership Report / Join group 239.255.192.18 for any sources
1092	283.241595955	172.16.169.40	224.0.0.22	IGMPv3	60	Membership Report / Join group 239.255.255.250 for any sources
1093	283.242273950	192.168.1.22	224.0.0.22	IGMPv3	60	Membership Report / Join group 224.0.0.251 for any sources
1094	283.243745773	172.16.54.9	224.0.0.22	IGMPv3	60	Membership Report / Join group 224.0.0.251 for any sources
1095	283.253629213	192.168.1.26	224.0.0.251	MDNS	859	Standard query response 0x0000 TXT, cache flush PTR _http._tcp.local PTR HKVISION DS-20C2T20-1 - 761440929._http._tcp.local TXT, ca
1096	283.253953947	fe80::1a0b:c0ff:fe02::f0	ff02::f0	MDNS	970	Standard query response 0x0000 TXT, cache flush PTR _http._tcp.local PTR HKVISION DS-20C2T20-1 - 761440929._http._tcp.local TXT, ca
1097	283.253954195	172.16.0.178	224.0.0.22	IGMPv3	60	Membership Report / Join group 239.255.255.250 for any sources
1098	283.257352419	fe80::b058:8451:022::f0	ff02::1:ff72:54cf	ICMPv6	86	Neighbor Solicitation for fe80::b058:8451:022::f0 from c8:1f:66:43:5b:19
1099	283.260893775	172.16.42.226	224.0.0.22	IGMPv3	60	Membership Report / Join group 239.255.255.250 for any sources
1100	283.260894140	dell_e6:cfc:c8	Broadcast	ARP	60	Who has 172.16.3.147? Tell 172.16.4.1
1101	283.262962942	Dell_e8:53:84	Broadcast	ARP	60	Who has 172.16.5.69? Tell 172.16.5.249
1102	283.266938939	fe80::e019:8206:d9a::f0	ff02::1:ff72:54cf	ICMPv6	86	Neighbor Solicitation for fe80::e019:8206:d9a::f0 from 64:00:6a:27:4d:49
1103	283.268129405	172.16.1.203	224.0.0.251	MDNS	174	Standard query response 0x0000 AAAA, cache flush fe80::b05e:33ff:fe79:2328 AAAA, cache flush fd01::b05e:33ff:fe79:2328 NSEC, cache flush
1104	283.268129758	fe80::b05e:33ff:fe79:2328	ff02::f0	MDNS	184	Standard query response 0x0000 AAAA, cache flush fe80::b05e:33ff:fe79:2328 AAAA, cache flush fd01::b05e:33ff:fe79:2328 NSEC, cache flush
1105	283.277972876	172.16.77.179	224.0.0.22	IGMPv3	60	Membership Report / Join group 224.0.0.252 for any sources
1106	283.279848754	172.16.40.210	224.0.0.251	MDNS	174	Standard query response 0x0000 AAAA, cache flush fd01::260f:90ff:feeb:70cb AAAA, cache flush fe80::260f:90ff:feeb:70cb NSEC, cache flush
1107	283.279848045	fe80::260f:90ff:feeb:70cb	ff02::f0	MDNS	184	Standard query response 0x0000 AAAA, cache flush fd01::260f:90ff:feeb:70cb AAAA, cache flush fe80::260f:90ff:feeb:70cb NSEC, cache flush
1108	283.291440347	192.168.1.180	224.0.0.22	IGMPv3	60	Membership Report / Join group 224.0.0.252 for any sources
1109	283.294289431	fe80::45d:479e:cbde::f0	ff02::1:ff72:54cf	ICMPv6	86	Neighbor Solicitation for fe80::45d:479e:cbde::f0 from d4:be:d9:e6:d3:42
1110	283.300412622	172.16.124.5	224.0.0.22	IGMPv3	60	Membership Report / Join group 224.0.0.252 for any sources
1111	283.300959489	172.16.60.18	224.0.0.22	IGMPv3	60	Membership Report / Join group 239.255.255.250 for any sources
1112	283.315824733	Dell_22:a9:fd	Broadcast	ARP	60	Who has 172.16.3.25? Tell 172.16.2.102
1113	283.315825084	172.16.2.102	224.0.0.22	IGMPv3	60	Membership Report / Join group 239.255.255.250 for any sources
1114	283.321172809	HowlettPacka_e7:90::	Broadcast	ARP	60	Who has 172.16.55.219? Tell 172.16.4.225
1115	283.321173082	60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface eth0, id 0				
1116	283.321173082	Ethernet II, Src: Dell_e6:cfc:c8 (d4:be:d9:e6:cfc:c8), Dst: Broadcast (ff:ff:ff:ff:ff:ff)				
1117	283.321173082	Destination: Broadcast (ff:ff:ff:ff:ff:ff)				
1118	283.321173082	Source: Dell_e6:cfc:c8 (d4:be:d9:e6:cfc:c8)				
1119	283.321173082	Type: ARP (0x0000)				
1120	283.321173082	Adding: 00000000000000000000000000000000				
1121	283.321173082	Address Resolution Protocol (request)				
1122	283.321173082	Hardware type: Ethernet (1)				
1123	283.321173082	Protocol type: IPv4 (0x0000)				
1124	283.321173082	Hardware size: 6				
1125	283.321173082	Protocol size: 4				
1126	283.321173082	Opcode: request (1)				
1127	283.321173082	Sender MAC address: Dell_e6:cfc:c8 (d4:be:d9:e6:cfc:c8)				
1128	283.321173082	Sender IP address: 172.16.4.1				
1129	283.321173082	Target MAC address: 00:00:00:00:00:00 (00:00:00:00:00:00)				
1130	283.321173082	Target IP address: 172.16.3.147				

wireshark_eth0ZAMAB3.pcapng

Packets: 142485 - Displayed: 142485 (100.0%)

Profile: Default

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*eth0

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Apply a display filter: <Ctrl>F

No.	Time	Source	Destination	Protocol	Length	Info
1088	283.268129405	172.16.1.203	224.0.0.251	MDNS	174	Standard query response 0x0000 AAAA, cache flush fe80::b05e:33ff:fe79:2328 AAAA, cache flush fd01::b05e:33ff:fe79:2328 NSEC, cache flush
1089	283.277972876	172.16.77.179	224.0.0.22	IGMPv3	60	Membership Report / Join group 224.0.0.252 for any sources
1090	283.279848754	172.16.40.210	224.0.0.251	MDNS	174	Standard query response 0x0000 AAAA, cache flush fd01::260f:90ff:feeb:70cb AAAA, cache flush fe80::260f:90ff:feeb:70cb NSEC, cache flush
1091	283.279848045	fe80::260f:90ff:feeb:70cb	ff02::f0	MDNS	184	Standard query response 0x0000 AAAA, cache flush fd01::260f:90ff:feeb:70cb AAAA, cache flush fe80::260f:90ff:feeb:70cb NSEC, cache flush
1092	283.291440347	192.168.1.180	224.0.0.22	IGMPv3	60	Membership Report / Join group 224.0.0.252 for any sources
1093	283.294289431	fe80::45d:479e:cbde::f0	ff02::1:ff72:54cf	ICMPv6	86	Neighbor Solicitation for fe80::45d:479e:cbde::f0 from d4:be:d9:e6:d3:42
1094	283.300412622	172.16.124.5	224.0.0.22	IGMPv3	60	Membership Report / Join group 224.0.0.252 for any sources
1095	283.300959489	172.16.60.18	224.0.0.22	IGMPv3	60	Membership Report / Join group 239.255.255.250 for any sources
1096	283.315824733	Dell_22:a9:fd	Broadcast	ARP	60	Who has 172.16.3.25? Tell 172.16.2.102
1097	283.315825084	172.16.2.102	224.0.0.22	IGMPv3	60	Membership Report / Join group 239.255.255.250 for any sources
1098	283.321172809	HowlettPacka_e7:90::	Broadcast	ARP	60	Who has 172.16.55.219? Tell 172.16.4.225
1099	283.321173082	172.16.4.225	224.0.0.22	IGMPv3	60	Membership Report / Join group 224.0.0.252 for any sources
1100	283.322448067	Dell_de:b4:b3	Broadcast	ARP	60	Who has 172.16.46.3? Tell 172.16.18.95
1101	283.323142117	172.16.46.45	172.16.255.255	BROWSER	225	Become Backup Browser
1102	283.324180005	172.16.18.95	224.0.0.255	UDP	217	225.255.255.255:1900->172.16.18.95:1900
1103	283.330696095	10.10.10.10	Broadcast	ARP	60	Who has 192.168.222.89? Tell 192.168.222.97
1104	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1105	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1106	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1107	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1108	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1109	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1110	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1111	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1112	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1113	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1114	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1115	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1116	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1117	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1118	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1119	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1120	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1121	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1122	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1123	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1124	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1125	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1126	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1127	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1128	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1129	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1130	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1131	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1132	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1133	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1134	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1135	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1136	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1137	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1138	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1139	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1140	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1141	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1142	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1143	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1144	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1145	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1146	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1147	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1148	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1149	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1150	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1151	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1152	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1153	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1154	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1155	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1156	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1157	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1158	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1159	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1160	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1161	283.335531587	fe80::030:770e:107::f0	ff02::c	UDP	1238	49150 - 3702 Length:1176
1162	283.335531587	fe80::0				