```
Starting Nmap 7.70 ( https://nmap.org ) at 2021-07-13 21:04 CDT
NSE: Loaded 148 scripts for scanning.
NSE: Script Pre-scanning.
Initiating NSE at 21:04
Completed NSE at 21:04, 0.00s elapsed
Initiating NSE at 21:04
Completed NSE at 21:04, 0.00s elapsed
Initiating Ping Scan at 21:04
Scanning 256 hosts [4 ports/host]
Completed Ping Scan at 21:04, 3.99s elapsed (256 total hosts)
Initiating Parallel DNS resolution of 256 hosts. at 21:04
Completed Parallel DNS resolution of 256 hosts. at 21:04, 0.00s elapsed
Nmap scan report for 172.17.1.0 [host down]
Nmap scan report for 172.17.1.2 [host down]
Nmap scan report for 172.17.1.3 [host down]
Nmap scan report for 172.17.1.4 [host down]
Nmap scan report for 172.17.1.5 [host down]
Nmap scan report for 172.17.1.6 [host down]
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Nmap scan report for 172.17.1.21 [host down]
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Nmap scan report for 172.17.1.253 [host down]
Nmap scan report for 172.17.1.254 [host down]
Nmap scan report for 172.17.1.255 [host down]
Initiating SYN Stealth Scan at 21:04
Scanning 2 hosts [1000 ports/host]
Discovered open port 23/tcp on 172.17.1.7
Discovered open port 111/tcp on 172.17.1.7
Discovered open port 22/tcp on 172.17.1.1
Discovered open port 139/tcp on 172.17.1.7
Discovered open port 22/tcp on 172.17.1.7
Discovered open port 80/tcp on 172.17.1.7
Discovered open port 445/tcp on 172.17.1.7
Discovered open port 25/tcp on 172.17.1.7
Discovered open port 21/tcp on 172.17.1.7
Discovered open port 53/tcp on 172.17.1.7
Discovered open port 5900/tcp on 172.17.1.7
Discovered open port 2049/tcp on 172.17.1.7
Discovered open port 8180/tcp on 172.17.1.7
Discovered open port 1099/tcp on 172.17.1.7
Discovered open port 6000/tcp on 172.17.1.7
Discovered open port 1524/tcp on 172.17.1.7
Discovered open port 513/tcp on 172.17.1.7
Discovered open port 8009/tcp on 172.17.1.7
Discovered open port 2121/tcp on 172.17.1.7
Discovered open port 514/tcp on 172.17.1.7
Discovered open port 512/tcp on 172.17.1.7
Discovered open port 5432/tcp on 172.17.1.7
Discovered open port 6667/tcp on 172.17.1.7
Completed SYN Stealth Scan against 172.17.1.7 in 0.11s (1 host left)
Discovered open port 80/tcp on 172.17.1.1
Completed SYN Stealth Scan at 21:04, 4.88s elapsed (2000 total ports)
Initiating Service scan at 21:04
Scanning 24 services on 2 hosts
Completed Service scan at 21:07, 151.13s elapsed (24 services on 2 hosts)
Initiating OS detection (try #1) against 2 hosts
Retrying OS detection (try #2) against 172.17.1.1
Initiating Traceroute at 21:07
Completed Traceroute at 21:07, 0.02s elapsed
Initiating Parallel DNS resolution of 3 hosts. at 21:07
Completed Parallel DNS resolution of 3 hosts. at 21:07, 0.00s elapsed
NSE: Script scanning 2 hosts.
Initiating NSE at 21:07
NSE: [ftp-bounce] PORT response: 500 Illegal PORT command.
Completed NSE at 21:08, 63.48s elapsed
Initiating NSE at 21:08
Completed NSE at 21:08, 1.11s elapsed
Nmap scan report for 172.17.1.1
Host is up (0.00016s latency).
Not shown: 998 filtered ports
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```
PORT   STATE SERVICE VERSION
22/tcp open  ssh     OpenSSH 7.5 (protocol 2.0)
| ssh-hostkey:
|   4096 6f:62:e5:c4:0e:c6:42:2f:90:48:51:5f:fc:f3:b2:86 (RSA)
|_  256 41:23:75:77:77:7f:9c:43:ce:22:88:23:05:a6:c0:66 (ED25519)
80/tcp open  http    nginx
|_http-favicon: Unknown favicon MD5: 5567E9CE23E5549E0FCD7195F3882816
| http-methods:
|_  Supported Methods: GET HEAD POST
|_http-server-header: nginx
|_http-title: 502 Bad Gateway
Warning: OSScan results may be unreliable because we could not find at least 1 ope
OS fingerprint not ideal because: Missing a closed TCP port so results incomplete
No OS matches for host
Uptime guess: 0.001 days (since Tue Jul 13 21:07:24 2021)
Network Distance: 1 hop
TCP Sequence Prediction: Difficulty=254 (Good luck!)
IP ID Sequence Generation: All zeros

TRACEROUTE (using port 22/tcp)
HOP RTT     ADDRESS
1   0.09 ms 172.17.1.1

Nmap scan report for 172.17.1.7
Host is up (0.00023s latency).
Not shown: 978 closed ports
PORT     STATE SERVICE      VERSION
21/tcp   open  ftp          vsftpd 2.3.4
|_ftp-anon: Anonymous FTP login allowed (FTP code 230)
| ftp-syst:
|   STAT:
| FTP server status:
|      Connected to 192.168.1.29
|      Logged in as ftp
|      TYPE: ASCII
|      No session bandwidth limit
|      Session timeout in seconds is 300
|      Control connection is plain text
|      Data connections will be plain text
|      vsFTPd 2.3.4 - secure, fast, stable
|_End of status
22/tcp   open  ssh          OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
| ssh-hostkey:
|   1024 60:0f:cf:e1:c0:5f:6a:74:d6:90:24:fa:c4:d5:6c:cd (DSA)
|_  2048 56:56:24:0f:21:1d:de:a7:2b:ae:61:b1:24:3d:e8:f3 (RSA)
23/tcp   open  telnet       Linux telnetd
25/tcp   open  smtp         Postfix smtpd
|_smtp-commands: metasploitable.localdomain, PIPELINING, SIZE 10240000, VRFY, ETRN
53/tcp   open  domain       ISC BIND 9.4.2
| dns-nsid:
|_  bind.version: 9.4.2
80/tcp   open  http         Apache httpd 2.2.8 ((Ubuntu) DAV/2)
```

```
| http-methods: 
|_  Supported Methods: GET HEAD POST OPTIONS
|_http-server-header: Apache/2.2.8 (Ubuntu) DAV/2
|_http-title: Metasploitable2 - Linux
111/tcp  open  rpcbind?
139/tcp  open  netbios-ssn  Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp  open  netbios-ssn  Samba smbd 3.0.20-Debian (workgroup: WORKGROUP)
512/tcp  open  exec         netkit-rsh rexecd
513/tcp  open  login?
514/tcp  open  shell        Netkit rshd
1099/tcp open  rmiregistry?
1524/tcp open  bindshell    Metasploitable root shell
2049/tcp open  nfs          2-4 (RPC #100003)
2121/tcp open  ftp          ProFTPD 1.3.1
5432/tcp open  postgresql   PostgreSQL DB 8.3.0 - 8.3.7
|_ssl-date: 2021-07-14T03:49:45+00:00; +1h41m15s from scanner time.
5900/tcp open  vnc          VNC (protocol 3.3)
6000/tcp open  X11          (access denied)
6667/tcp open  irc          UnrealIRCd
8009/tcp open  ajp13        Apache Jserv (Protocol v1.3)
|_ajp-methods: Failed to get a valid response for the OPTION request
8180/tcp open  http         Apache Tomcat/Coyote JSP engine 1.1
|_http-favicon: Apache Tomcat
| http-methods: 
|_  Supported Methods: GET HEAD POST OPTIONS
|_http-title: Apache Tomcat/5.5
Device type: general purpose
Running: Linux 2.6.X
OS CPE: cpe:/o:linux:linux_kernel:2.6
OS details: Linux 2.6.15 - 2.6.26 (likely embedded), Linux 2.6.20 - 2.6.24 (Ubuntu
Uptime guess: 105.938 days (since Mon Mar 29 22:38:24 2021)
Network Distance: 2 hops
TCP Sequence Prediction: Difficulty=202 (Good luck!)
IP ID Sequence Generation: All zeros
Service Info: Hosts:  metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Uni

Host script results:
|_clock-skew: mean: 3h41m15s, deviation: 2h49m43s, median: 1h41m14s
| nbstat: NetBIOS name: METASPLOITABLE, NetBIOS user: <unknown>, NetBIOS MAC: <unk
| Names:
|   METASPLOITABLE<00>   Flags: <unique><active>
|   METASPLOITABLE<03>   Flags: <unique><active>
|   METASPLOITABLE<20>   Flags: <unique><active>
|   \x01\x02__MSBROWSE__\x02<01>  Flags: <group><active>
|   WORKGROUP<00>        Flags: <group><active>
|   WORKGROUP<1d>        Flags: <unique><active>
|_  WORKGROUP<1e>        Flags: <group><active>
| smb-os-discovery: 
|   OS: Unix (Samba 3.0.20-Debian)
|   NetBIOS computer name: 
|   Workgroup: WORKGROUP\x00
|_  System time: 2021-07-13T23:48:43-04:00
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|_smb2-time: Protocol negotiation failed (SMB2)

TRACEROUTE (using port 135/tcp)
HOP RTT     ADDRESS
1   0.19 ms 192.168.1.1
2   0.29 ms 172.17.1.7

NSE: Script Post-scanning.
Initiating NSE at 21:08
Completed NSE at 21:08, 0.00s elapsed
Initiating NSE at 21:08
Completed NSE at 21:08, 0.00s elapsed
Read data files from: /usr/bin/../share/nmap
OS and Service detection performed. Please report any incorrect results at https:/
Nmap done: 256 IP addresses (2 hosts up) scanned in 229.75 seconds
           Raw packets sent: 5159 (219.386KB) | Rcvd: 1062 (44.174KB)
```