专注APT攻击与防御
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注：请多喝点热水或者凉白开，可预防**肾结石**，**通风**等。
痛风可伴发肥胖症、高血压病、糖尿病、脂代谢紊乱等多种代谢性疾病。

攻击机： 192.168.1.5 Debian
靶机： 192.168.1.2 Windows 7
192.168.1.115 Windows 2003
192.168.1.119 Windows 2003

第一季主要介绍scanner下的五个模块，辅助发现内网存活主机，分别为：

- auxiliary/scanner/discovery/arp_sweep
- auxiliary/scanner/discovery/udp_sweep
- auxiliary/scanner/ftp/ftp_version
- auxiliary/scanner/http/http_version
- auxiliary/scanner/smb/smb_version

第二季主要介绍scanner下的五个模块，辅助发现内网存活主机，分别为：

- auxiliary/scanner/ssh/ssh_version
- auxiliary/scanner/telnet/telnet_version
- auxiliary/scanner/discovery/udp_probe
- auxiliary/scanner/dns/dns_amp
- auxiliary/scanner/mysql/mysql_version

第三季主要介绍scanner下的五个模块，辅助发现内网存活主机，分别为：

- auxiliary/scanner/netbios/nbname
- auxiliary/scanner/http/title
- auxiliary/scanner/db2/db2_version
- auxiliary/scanner/portscan/ack
- auxiliary/scanner/portscan/tcp

第四季主要介绍scanner下的五个模块，辅助发现内网存活主机，分别为：

- auxiliary/scanner/portscan/syn
- auxiliary/scanner/portscan/ftpbounce
- auxiliary/scanner/portscan/xmas
- auxiliary/scanner/rdp/rdp_scanner
- auxiliary/scanner/smtp/smtp_version

- 十六：基于auxiliary/scanner/portscan/syn发现内网存活主机

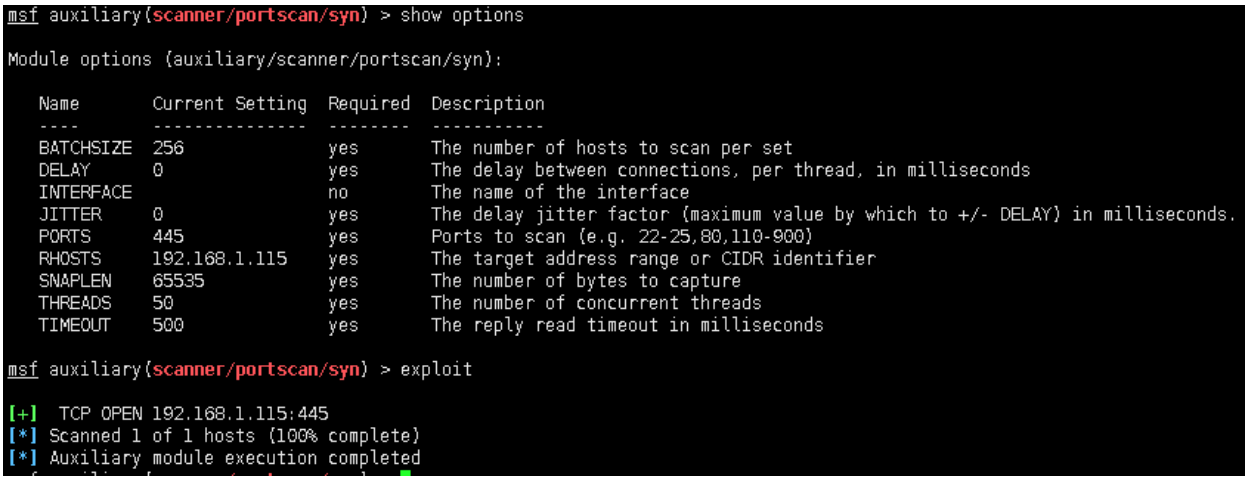
```
msf auxiliary(scanner/portscan/syn) > show options

Module options (auxiliary/scanner/portscan/syn):

   Name        Current Setting  Required  Description
   ----        ---------------  --------  -----------
   BATCHSIZE   256              yes       The number of hosts to scan per set
   DELAY       0                yes       The delay between connections, per thread, in milliseconds
   INTERFACE                    no        The name of the interface
   JITTER      0                yes       The delay jitter factor (maximum value by which to +/- DELAY) in milliseconds.
   PORTS       445              yes       Ports to scan (e.g. 22-25,80,110-900)
   RHOSTS      192.168.1.115    yes       The target address range or CIDR identifier
   SNAPLEN     65535            yes       The number of bytes to capture
   THREADS     50               yes       The number of concurrent threads
   TIMEOUT     500              yes       The reply read timeout in milliseconds

msf auxiliary(scanner/portscan/syn) > exploit

[+] TCP OPEN 192.168.1.115:445
[*] Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
```



- 十七：基于auxiliary/scanner/portscan/ftpbounce发现内网存活主机

```
msf auxiliary(scanner/portscan/ftpbounce) > show options

Module options (auxiliary/scanner/portscan/ftpbounce):

 Name Current Setting Required Description
 ---- --------------- -------- -----------
 BOUNCEHOST 192.168.1.119 yes FTP relay host
 BOUNCEPORT 21 yes FTP relay port
 DELAY 0 yes The delay between connections, per thread, in milliseconds
 FTPPASS mozilla@example.com no The password for the specified username
 FTPUSER anonymous no The username to authenticate as
 JITTER 0 yes The delay jitter factor (maximum value by which to +/- DELAY) in milliseconds.
 PORTS 22-25 yes Ports to scan (e.g. 22-25,80,110-900)
 RHOSTS 192.168.1.119 yes The target address range or CIDR identifier
 THREADS 50 yes The number of concurrent threads

msf auxiliary(scanner/portscan/ftpbounce) > exploit

[+] 192.168.1.119:21 - TCP OPEN 192.168.1.119:22
[+] 192.168.1.119:21 - TCP OPEN 192.168.1.119:23
[+] 192.168.1.119:21 - TCP OPEN 192.168.1.119:24
[+] 192.168.1.119:21 - TCP OPEN 192.168.1.119:25
[*] 192.168.1.119:21 - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
```

```
msf auxiliary(scanner/portscan/ftpbounce) > show options

Module options (auxiliary/scanner/portscan/ftpbounce):

   Name        Current Setting      Required  Description
   ----        ---------------      --------  -----------
   BOUNCEHOST  192.168.1.119        yes       FTP relay host
   BOUNCEPORT  21                   yes       FTP relay port
   DELAY       0                    yes       The delay between connections, per thread, in milliseconds
   FTPPASS     mozilla@example.com  no        The password for the specified username
   FTPUSER     anonymous            no        The username to authenticate as
   JITTER      0                    yes       The delay jitter factor (maximum value by which to +/- DELAY) in milliseconds.
   PORTS       22-25                yes       Ports to scan (e.g. 22-25,80,110-900)
   RHOSTS      192.168.1.119        yes       The target address range or CIDR identifier
   THREADS     50                   yes       The number of concurrent threads

msf auxiliary(scanner/portscan/ftpbounce) > exploit

[+] 192.168.1.119:21 -  TCP OPEN 192.168.1.119:22
[+] 192.168.1.119:21 -  TCP OPEN 192.168.1.119:23
[+] 192.168.1.119:21 -  TCP OPEN 192.168.1.119:24
[+] 192.168.1.119:21 -  TCP OPEN 192.168.1.119:25
[*] 192.168.1.119:21 - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
```

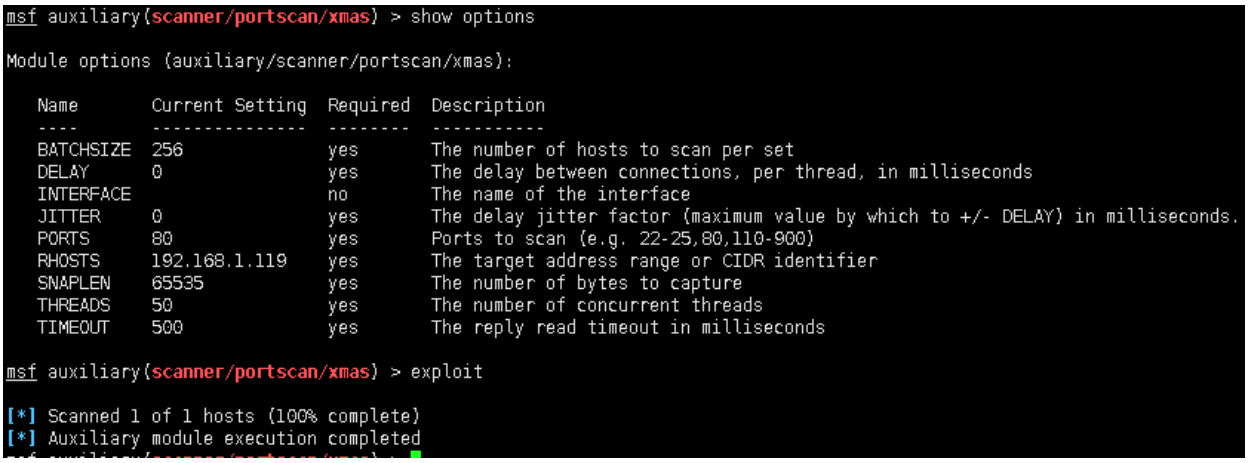
- 十八：基于auxiliary/scanner/portscan/xmas发现内网存活主机

```
msf auxiliary(scanner/portscan/xmas) > show options

Module options (auxiliary/scanner/portscan/xmas):

 Name Current Setting Required Description
 ---- --------------- -------- -----------
 BATCHSIZE 256 yes The number of hosts to scan per set
 DELAY 0 yes The delay between connections, per thread, in milliseconds
 INTERFACE no The name of the interface
 JITTER 0 yes The delay jitter factor (maximum value by which to +/- DELAY) in milliseconds.
 PORTS 80 yes Ports to scan (e.g. 22-25,80,110-900)
 RHOSTS 192.168.1.119 yes The target address range or CIDR identifier
 SNAPLEN 65535 yes The number of bytes to capture
 THREADS 50 yes The number of concurrent threads
 TIMEOUT 500 yes The reply read timeout in milliseconds

msf auxiliary(scanner/portscan/xmas) > exploit
```



- 十九：基于auxiliary/scanner/rdp/rdp_scanner发现内网存活主机

```
msf auxiliary(scanner/rdp/rdp_scanner) > show options

Module options (auxiliary/scanner/rdp/rdp_scanner):

 Name Current Setting Required Description
 ---- --------------- -------- -----------
 CredSSP true yes Whether or not to request CredSSP
 EarlyUser false yes Whether to support Earlier User Authorization Res
ult PDU
 RHOSTS 192.168.1.2,115,119 yes The target address range or CIDR ident
ifier
  RPORT 3389 yes The target port (TCP)
  THREADS 50 yes The number of concurrent threads
  TLS true yes Wheter or not request TLS security

msf auxiliary(scanner/rdp/rdp_scanner) > exploit

[*] Scanned 1 of 3 hosts (33% complete)
[+] 192.168.1.115:3389 - Identified RDP
[*] Scanned 2 of 3 hosts (66% complete)
[+] 192.168.1.119:3389 - Identified RDP
[*] Scanned 3 of 3 hosts (100% complete)
[*] Auxiliary module execution completed
```

```
msf auxiliary(scanner/rdp/rdp_scanner) > show options

Module options (auxiliary/scanner/rdp/rdp_scanner):

   Name        Current Setting      Required  Description
   ----        ---------------      --------  -----------
   CredSSP     true                 yes       Whether or not to request CredSSP
   EarlyUser   false                yes       Whether to support Earlier User Authorization Result PDU
   RHOSTS      192.168.1.2,115,119  yes       The target address range or CIDR identifier
   RPORT       3389                 yes       The target port (TCP)
   THREADS     50                   yes       The number of concurrent threads
   TLS         true                 yes       Wheter or not request TLS security

msf auxiliary(scanner/rdp/rdp_scanner) > exploit

[*] Scanned 1 of 3 hosts (33% complete)
[+] 192.168.1.115:3389    - Identified RDP
[*] Scanned 2 of 3 hosts (66% complete)
[+] 192.168.1.119:3389    - Identified RDP
[*] Scanned 3 of 3 hosts (100% complete)
[*] Auxiliary module execution completed
```

- 二十：基于auxiliary/scanner/smtp/smtp_version发现内网存活主机

```
msf auxiliary(scanner/smtp/smtp_version) > show options

Module options (auxiliary/scanner/smtp/smtp_version):

 Name Current Setting Required Description
 ---- --------------- -------- -----------
 RHOSTS 192.168.1.5 yes The target address range or CIDR identifier
 RPORT 25 yes The target port (TCP)
 THREADS 50 yes The number of concurrent threads

msf auxiliary(scanner/smtp/smtp_version) > exploit
```

```
msf auxiliary(scanner/smtp/smtp_version) > show options

Module options (auxiliary/scanner/smtp/smtp_version):

   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   RHOSTS   192.168.1.5      yes       The target address range or CIDR identifier
   RPORT    25               yes       The target port (TCP)
   THREADS  50               yes       The number of concurrent threads

msf auxiliary(scanner/smtp/smtp_version) > exploit

[*] Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
```

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