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：

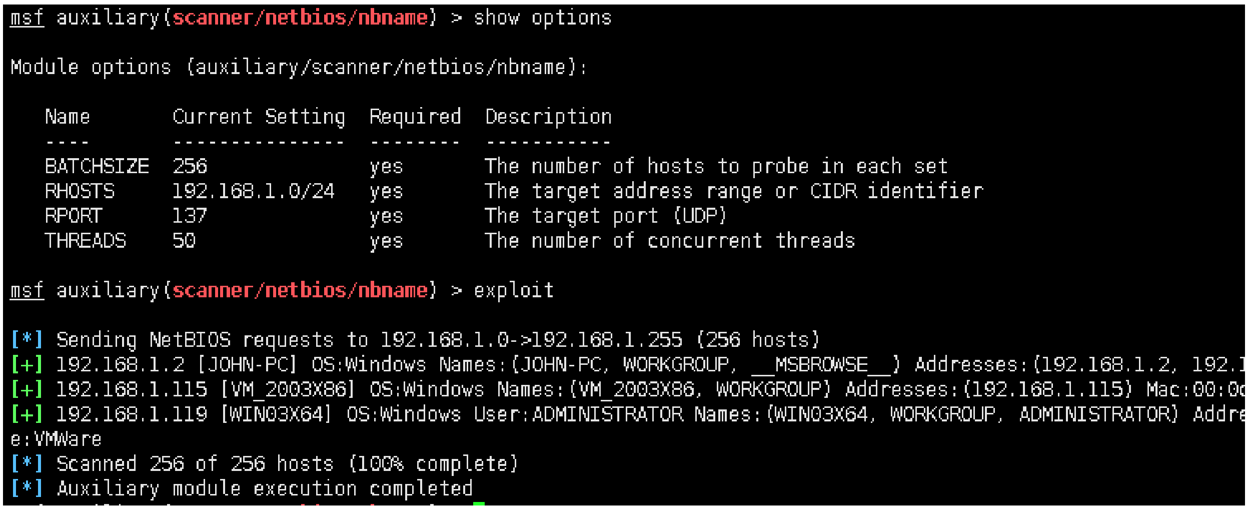
- auxiliary/scanner/ssh/ssh_version
- auxiliary/scanner/telnet/telnet_version
- auxiliary/scanner/discovery/udp_probe
- auxiliary/scanner/dns/dns_amp
- auxiliary/scanner/mysql/mysql_version

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

- 十一：基于auxiliary/scanner/netbios/nbname发现内网存活主机

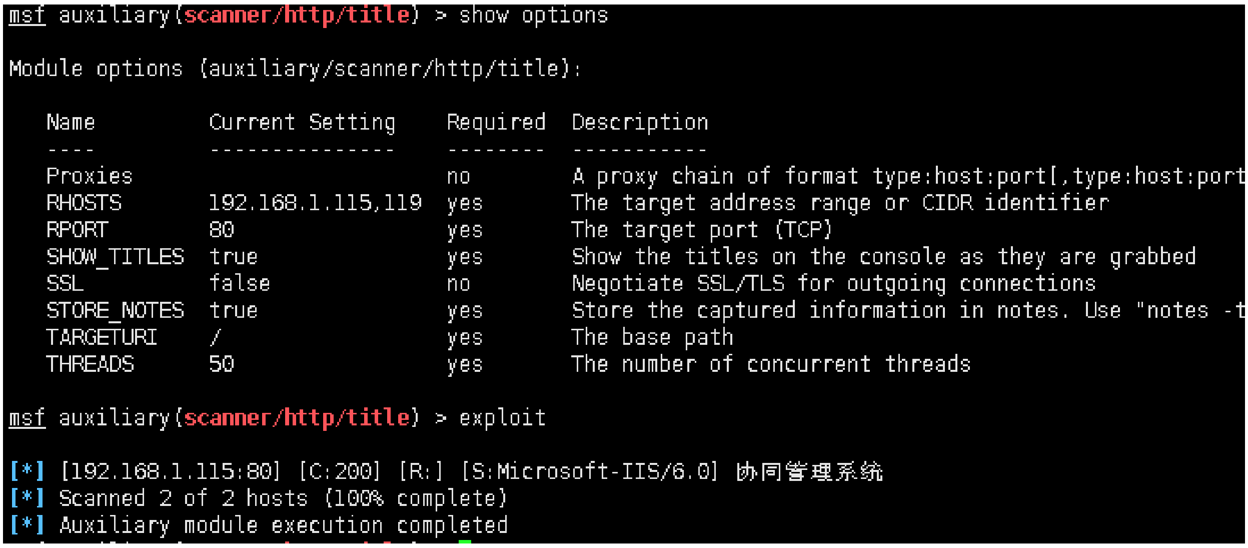
```
msf auxiliary(scanner/netbios/nbname) > show options

Module options (auxiliary/scanner/netbios/nbname):

 Name Current Setting Required Description
 ---- --------------- -------- -----------
 BATCHSIZE 256 yes The number of hosts to probe in each set
 RHOSTS 192.168.1.0/24 yes The target address range or CIDR identifier
 RPORT 137 yes The target port (UDP)
 THREADS 50 yes The number of concurrent threads

msf auxiliary(scanner/netbios/nbname) > exploit

[*] Sending NetBIOS requests to 192.168.1.0->192.168.1.255 (256 hosts)
[+] 192.168.1.2 [JOHN-PC] OS:Windows Names:(JOHN-PC, WORKGROUP, __MSBROWSE__) Addresses:(192.168.1.2, 192.168.163.1, 192.168.32.1) Mac:4c:cc:6a:e3:51:27
[+] 192.168.1.115 [VM_2003X86] OS:Windows Names:(VM_2003X86, WORKGROUP) Addresses:(192.168.1.115) Mac:00:0c:29:af:ce:cc Virtual Machine:VMWare
[+] 192.168.1.119 [WIN03X64] OS:Windows User:ADMINISTRATOR Names:(WIN03X64, WORKGROUP, ADMINISTRATOR) Addresses:(192.168.1.119) Mac:00:0c:29:85:d6:7d Virtual Machine:VMWare
[*] Scanned 256 of 256 hosts (100% complete)
[*] Auxiliary module execution completed
```



```
msf auxiliary(scanner/netbios/nbname) > show options

Module options (auxiliary/scanner/netbios/nbname):

   Name       Current Setting  Required  Description
   ----       ---------------  --------  -----------
   BATCHSIZE  256              yes       The number of hosts to probe in each set
   RHOSTS     192.168.1.0/24   yes       The target address range or CIDR identifier
   RPORT      137              yes       The target port (UDP)
   THREADS    50               yes       The number of concurrent threads

msf auxiliary(scanner/netbios/nbname) > exploit

[*] Sending NetBIOS requests to 192.168.1.0->192.168.1.255 (256 hosts)
[+] 192.168.1.2 [JOHN-PC] OS:Windows Names:(JOHN-PC, WORKGROUP, __MSBROWSE__) Addresses:(192.168.1.2, 192.1
[+] 192.168.1.115 [VM_2003X86] OS:Windows Names:(VM_2003X86, WORKGROUP) Addresses:(192.168.1.115) Mac:00:0c
[+] 192.168.1.119 [WIN03X64] OS:Windows User:ADMINISTRATOR Names:(WIN03X64, WORKGROUP, ADMINISTRATOR) Addre
e:VMWare
[*] Scanned 256 of 256 hosts (100% complete)
[*] Auxiliary module execution completed
```

- 十二：基于auxiliary/scanner/http/title发现内网存活主机

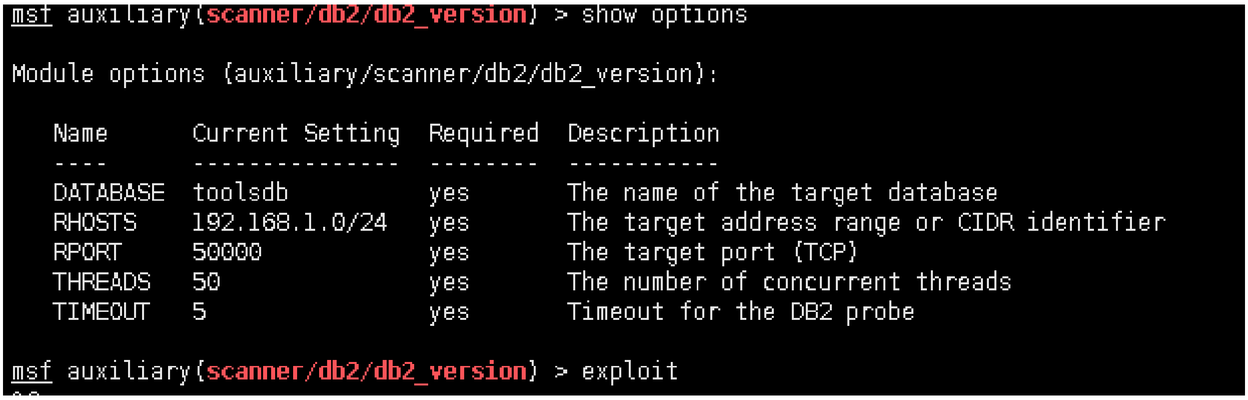
```
msf auxiliary(scanner/http/title) > show options

Module options (auxiliary/scanner/http/title):

 Name Current Setting Required Description
 ---- --------------- -------- -----------
 Proxies no A proxy chain of format type:host:port[,type:host:port][...]
 RHOSTS 192.168.1.115,119 yes The target address range or CIDR identifier
 RPORT 80 yes The target port (TCP)
 SHOW_TITLES true yes Show the titles on the console as they are grabbed
 SSL false no Negotiate SSL/TLS for outgoing connections
 STORE_NOTES true yes Store the captured information in notes. Use "notes -t http.title" to view
 TARGETURI / yes The base path
 THREADS 50 yes The number of concurrent threads

msf auxiliary(scanner/http/title) > exploit

[*] [192.168.1.115:80] [C:200] [R:] [S:Microsoft-IIS/6.0] 协同管理系统
[*] Scanned 2 of 2 hosts (100% complete)
[*] Auxiliary module execution completed
```



```
msf auxiliary(scanner/http/title) > show options

Module options (auxiliary/scanner/http/title):

   Name         Current Setting    Required  Description
   ----         ---------------    --------  -----------
   Proxies                         no        A proxy chain of format type:host:port[,type:host:port
   RHOSTS       192.168.1.115,119  yes       The target address range or CIDR identifier
   RPORT        80                 yes       The target port (TCP)
   SHOW_TITLES  true               yes       Show the titles on the console as they are grabbed
   SSL          false              no        Negotiate SSL/TLS for outgoing connections
   STORE_NOTES  true               yes       Store the captured information in notes. Use "notes -t
   TARGETURI    /                  yes       The base path
   THREADS      50                 yes       The number of concurrent threads

msf auxiliary(scanner/http/title) > exploit

[*] [192.168.1.115:80] [C:200] [R:] [S:Microsoft-IIS/6.0] 协同管理系统
[*] Scanned 2 of 2 hosts (100% complete)
[*] Auxiliary module execution completed
```

- 十三：基于auxiliary/scanner/db2/db2_version发现db2服务

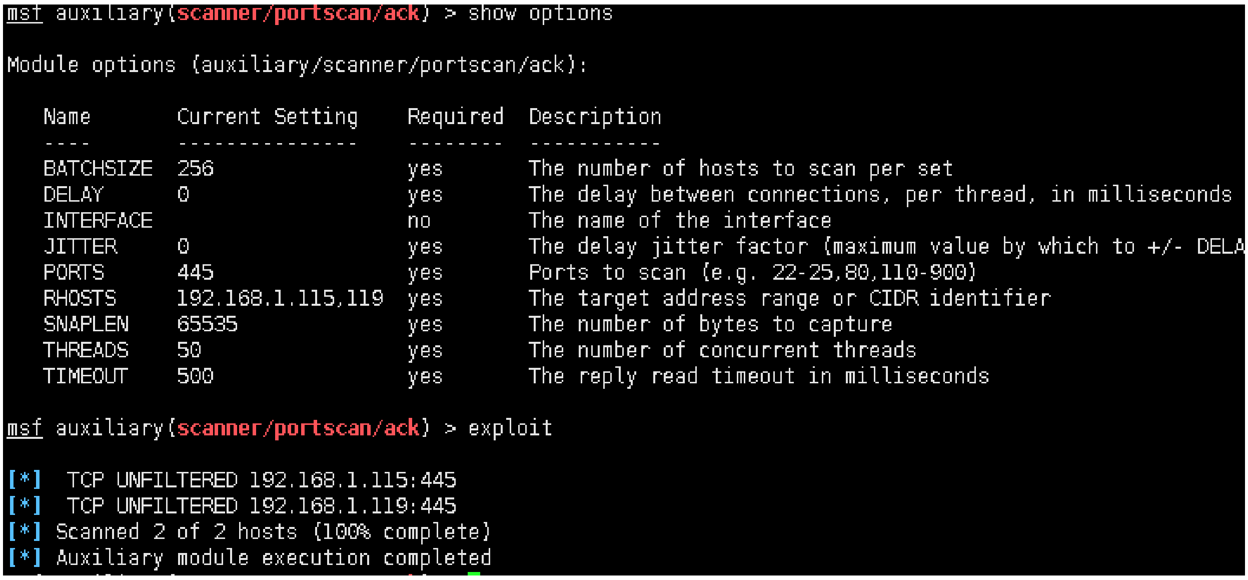
```
msf auxiliary(scanner/http/title) > use auxiliary/scanner/db2/db2_version
msf auxiliary(scanner/db2/db2_version) > show options

Module options (auxiliary/scanner/db2/db2_version):

 Name Current Setting Required Description
 ---- --------------- -------- -----------
 DATABASE toolsdb yes The name of the target database
 RHOSTS 192.168.1.0/24 yes The target address range or CIDR identifier
 RPORT 50000 yes The target port (TCP)
 THREADS 50 yes The number of concurrent threads
 TIMEOUT 5 yes Timeout for the DB2 probe

msf auxiliary(scanner/db2/db2_version) > exploit
```



```
msf auxiliary(scanner/db2/db2_version) > show options

Module options (auxiliary/scanner/db2/db2_version):

   Name      Current Setting  Required  Description
   ----      ---------------  --------  -----------
   DATABASE  toolsdb          yes       The name of the target database
   RHOSTS    192.168.1.0/24   yes       The target address range or CIDR identifier
   RPORT     50000            yes       The target port (TCP)
   THREADS   50               yes       The number of concurrent threads
   TIMEOUT   5                yes       Timeout for the DB2 probe

msf auxiliary(scanner/db2/db2_version) > exploit
```

- 十四：基于auxiliary/scanner/portscan/ack发现内网存活主机

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

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

 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 192.168.1.115,119 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/ack) > exploit

 [*] TCP UNFILTERED 192.168.1.115:445
 [*] TCP UNFILTERED 192.168.1.119:445
 [*] Scanned 2 of 2 hosts (100% complete)
 [*] Auxiliary module execution completed
```

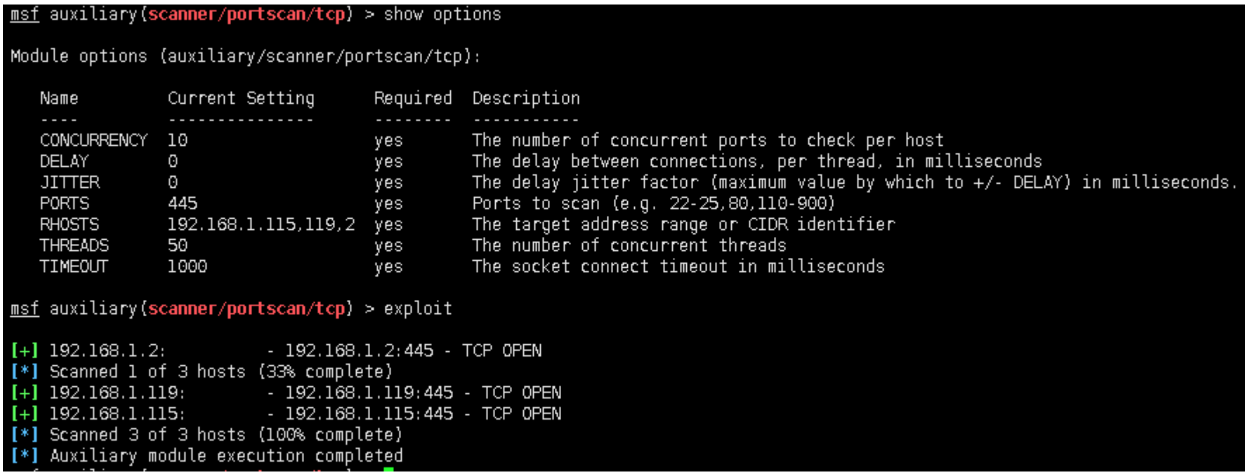


```
msf auxiliary(scanner/portscan/ack) > show options

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

   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 +/- DELA
   PORTS      445                yes       Ports to scan (e.g. 22-25,80,110-900)
   RHOSTS     192.168.1.115,119  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/ack) > exploit

[*]  TCP UNFILTERED 192.168.1.115:445
[*]  TCP UNFILTERED 192.168.1.119:445
[*] Scanned 2 of 2 hosts (100% complete)
[*] Auxiliary module execution completed
```

- 十五：基于auxiliary/scanner/portscan/tcp发现内网存活主机

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

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

 Name Current Setting Required Description
 ---- --------------- -------- -----------
 CONCURRENCY 10 yes The number of concurrent ports to check per host
 DELAY 0 yes The delay between connections, per thread, in milliseconds
 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 192.168.1.115,119,2 yes The target address range or CIDR identifier
 THREADS 50 yes The number of concurrent threads
 TIMEOUT 1000 yes The socket connect timeout in milliseconds
```

```

msf auxiliary(scanner/portscan/tcp) > exploit

[+] 192.168.1.2: - 192.168.1.2:445 - TCP OPEN
[*] Scanned 1 of 3 hosts (33% complete)
[+] 192.168.1.119: - 192.168.1.119:445 - TCP OPEN
[+] 192.168.1.115: - 192.168.1.115:445 - TCP OPEN
[*] Scanned 3 of 3 hosts (100% complete)
[*] Auxiliary module execution completed
```



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

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

   Name         Current Setting     Required  Description
   ----         ---------------     --------  -----------
   CONCURRENCY  10                  yes       The number of concurrent ports to check per host
   DELAY        0                   yes       The delay between connections, per thread, in milliseconds
   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       192.168.1.115,119,2 yes       The target address range or CIDR identifier
   THREADS      50                  yes       The number of concurrent threads
   TIMEOUT      1000                yes       The socket connect timeout in milliseconds

msf auxiliary(scanner/portscan/tcp) > exploit

[+] 192.168.1.2:          - 192.168.1.2:445 - TCP OPEN
[*] Scanned 1 of 3 hosts (33% complete)
[+] 192.168.1.119:        - 192.168.1.119:445 - TCP OPEN
[+] 192.168.1.115:        - 192.168.1.115:445 - TCP OPEN
[*] Scanned 3 of 3 hosts (100% complete)
[*] Auxiliary module execution completed
```

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