

China's "Winnti" Spyder Module

securitynews.sonicwall.com/xmlpost/chinas-winnti-spyder-module/



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Overview:

SonicWall's Capture Labs Threat Research Team, recently captured and evaluated a new malicious sample termed Spyder, from China's "Winnti" hacking group. This backdoor is written in C++ and designed to run on 64-bit Windows. This module is being used for targeted attacks on information storage systems, collecting information about corrupted devices, executing mischievous payloads, coordinating script execution, and C&C server communication. The module is loaded by the MSDTC system service using a well-known DLL Hijacking method. The function names within the modules export table are related to the exported functions of the apphelp.dll system library.

Static Information & Error Checking Information:

The screenshot shows a file analysis tool window titled "7b2ee37915d9e4325d5372a9524b5". The left pane displays a tree view of file headers and directories. The right pane shows a table of properties for the selected file.

Property	Value
File Name	C:\Users\Administrator\Desktop\Sample Analysis\7b2ee37915d9e432...
File Type	Portable Executable 64
File Info	No match found.
File Size	677.50 KB (693760 bytes)
PE Size	677.50 KB (693760 bytes)
Created	Friday 26 March 2021, 20.03.19
Modified	Friday 26 March 2021, 20.03.09
Accessed	Friday 26 March 2021, 20.03.19
MD5	CF367D94CD104E45306B3DC147E39492
SHA-1	41777D592DD91E7FB2A1561AFF018C452EB32C28

Property	Value
Empty	No additional info available

Dynamic Information:

Dll Main inside x64 debug:

000007FEE73E1780	48:83EC 28	sub rsp,28
000007FEE73E1784	83FA 01	cmp edx,1
000007FEE73E1787	74 05	je test.7FEE73E178E
000007FEE73E1789	83FA 02	cmp edx,2
000007FEE73E178C	75 25	jne test.7FEE73E17B3
000007FEE73E178E	48:890D 2B7F0A00	mov qword ptr ds:[7FEE74896C0],rcx
000007FEE73E1795	FF15 C5A80000	call qword ptr ds:[&DisableThreadLibraryCalls]
000007FEE73E1798	833D 267F0A00 00	cmp dword ptr ds:[7FEE74896C8],0
000007FEE73E17A2	75 0F	jne test.7FEE73E17B3
000007FEE73E17A4	E8 A7FFFFFF	call test.7FEE73E1750
000007FEE73E17A9	C705 157F0A00 01000000	mov dword ptr ds:[7FEE74896C8],1
000007FEE73E17B3	B8 01000000	mov eax,1
000007FEE73E17B8	48:83C4 28	add rsp,28
000007FEE73E17BC	C3	ret
000007FEE73E17BD	CC	int3
000007FEE73E17BE	CC	int3
000007FEE73E17BF	CC	int3
000007FEE73E17C0	48:8D05 25160000	lea rax,qword ptr ds:[7FEE73E2DEC]
000007FEE73E17C7	48:8D0D 6E210000	lea rcx,qword ptr ds:[7FEE73E393C]
000007FEE73E17CE	48:8905 336A0A00	mov qword ptr ds:[7FEE7488208],rax
000007FEE73E17D5	48:8D05 00160000	lea rax,qword ptr ds:[7FEE73E2DDC]
000007FEE73E17DC	48:890D 1D6A0A00	mov qword ptr ds:[7FEE7488200],rcx
000007FEE73E17E3	48:8905 266A0A00	mov qword ptr ds:[7FEE7488210],rax
000007FEE73E17EA	48:8D05 F3150000	lea rax,qword ptr ds:[7FEE73E2DE4]
000007FEE73E17F1	48:890D 306A0A00	mov qword ptr ds:[7FEE7488228],rcx
000007FEE73E17F8	48:8905 196A0A00	mov qword ptr ds:[7FEE7488218],rax
000007FEE73E17FF	48:8D05 7A150000	lea rax,qword ptr ds:[7FEE73E2D80]
000007FEE73E1806	48:8905 136A0A00	mov qword ptr ds:[7FEE7488220],rax
000007FEE73E180D	48:8D05 90200000	lea rax,qword ptr ds:[7FEE73E38A4]
000007FEE73E1814	48:8905 156A0A00	mov qword ptr ds:[7FEE7488230],rax
000007FEE73E181B	48:8D05 76150000	lea rax,qword ptr ds:[7FEE73E2D98]
000007FEE73E1822	48:8905 0F6A0A00	mov qword ptr ds:[7FEE7488238],rax
000007FEE73E1829	48:8D05 80140000	lea rax,qword ptr ds:[7FEE73E2CE0]
000007FEE73E1830	48:8905 096A0A00	mov qword ptr ds:[7FEE7488240],rax
000007FEE73E1837	48:8D05 22140000	lea rax,qword ptr ds:[7FEE73E2C60]
000007FEE73E183E	48:8905 036A0A00	mov qword ptr ds:[7FEE7488248],rax
000007FEE73E1845	C3	ret
000007FEE73E1846	CC	int3
000007FEE73E1847	CC	int3

Encrypted PE File in memory:

Supported Systems:

- Windows 10
- Windows 8.1
- Windows 8.0
- Windows 7
- Windows Vista

SonicWall, (GAV) Gateway Anti-Virus, provides protection against this threat:

GAV: Spyder.DN (Trojan)

Appendix:

Sample SHA-1 Hash: 41777d592dd91e7fb2a1561aff018c452eb32c28