

Operációs rendszerek BSc

3. gyak

2021.02.24.

Készítette:

Varga-Molnár Bertalan

PY7QFH

Programtervező informatikus

1. Dependency Walker működésének bemutatása:

a. *py7qfh.exe* API hívásainak bemutatása:

Module	File Time Stamp	Link Time Stamp	File Size	Attrs	Link Checksum	Real Checksum	CPU	Subsystem	Symbols	Preferred Base	Actual Base	Virtual Size	Load Order	File Ver	Product Ver	Image Ver	Linker
KERNEL32.DLL	2020/12/23 18:39	2020/12/29 15:57	764 976	A	0x0008C9C	0x0008C9C	x64	Console	CV,Unknown	0x0000001800000000	Unknown	0x00080000	Not Loaded	10.0.19041.662	10.0.19041.662	10.0	14.20
KERNELBASE.DLL	2020/12/23 18:40	2020/08/07 3:46	2 862 384	A	0x0012C4F7	0x0012C4F7	x64	Console	CV,Unknown	0x0000001800000000	Unknown	0x0012C000	Not Loaded	10.0.19041.662	10.0.19041.662	10.0	14.20
MSVCRT.DLL	2020/12/07 0:25	2015/11/20 23:31	637 360	A	0x0009E85D	0x0009E85D	x64	GUI	CV,Unknown	0x0000001101000000	Unknown	0x0009E000	Not Loaded	7.0.19041.546	10.0.19041.546	10.0	14.20
NTDLL.DLL	2020/12/23 18:40	1991/02/18 11:01	2 655 272	A	0x001F0060	0x001F0060	x64	Console	CV,Unknown	0x0000000180000000	Unknown	0x001F0000	Not Loaded	10.0.19041.662	10.0.19041.662	10.0	14.20
BCRYPTPRIMITIVES.DLL	2020/12/23 18:40	2046/05/24 0:27	523 200	A	0x0007FF5D	0x0007FF5D	x64	Console	CV,Unknown	0x0000000180000000	Unknown	0x00080000	Not Loaded	10.0.19041.662	10.0.19041.662	10.0	14.20
CRYPTBASE.DLL	2020/12/07 0:25	1991/10/01 16:54	34 152	A	0x00014416	0x00014416	x64	Console	CV,Unknown	0x0000000180000000	Unknown	0x000C0000	Not Loaded	10.0.19041.546	10.0.19041.546	10.0	14.20
DHCPVCSC.DLL	2020/12/07 0:25	1994/12/12 9:15	101 376	A	0x0002666A	0x0002666A	x64	Console	CV,Unknown	0x0000000180000000	Unknown	0x00010000	Not Loaded	10.0.19041.546	10.0.19041.546	10.0	14.20
DHCPVCSC6.DLL	2020/12/07 0:25	2077/01/24 8:52	72 216	A	0x00014E4A	0x00014E4A	x64	Console	CV,Unknown	0x0000000180000000	Unknown	0x00017000	Not Loaded	10.0.19041.546	10.0.19041.546	10.0	14.20
ENGAPI.DLL	2021/01/20 17:53	2004/01/14 14:22	828 448	A	0x000CDEE8	0x000CDEE8	x64	Console	CV,Unknown	0x0000000180000000	Unknown	0x000C8000	Not Loaded	10.0.19041.746	10.0.19041.746	10.0	14.20
PHAPI.DLL	2020/12/07 0:25	2080/05/15 7:41	230 384	A	0x0001ECED	0x0001ECED	x64	Console	CV,Unknown	0x0000000180000000	Unknown	0x00038000	Not Loaded	10.0.19041.546	10.0.19041.546	10.0	14.20
NSI.DLL	2020/12/07 0:25	2080/09/14 11:48	24 792	A	0x000117C5	0x000117C5	x64	Console	CV,Unknown	0x0000000180000000	Unknown	0x00008000	Not Loaded	10.0.19041.610	10.0.19041.610	10.0	14.20
RPCRT4.DLL	2021/01/20 17:53	2100/06/18 16:07	1 222 056	A	0x00114684	0x00114684	x64	Console	CV,Unknown	0x0000000180000000	Unknown	0x00128000	Not Loaded	10.0.19041.746	10.0.19041.746	10.0	14.20

Error: At least one required implicit or forwarded dependency was not found.
Error: At least one module has an unresolved import due to a missing export function in an implicitly dependent module.
Error: Modules with different CPU types were found.
Warning: At least one delay-load dependency module was not found.

For Help, press F1

A képernyőképből kiolvasható, hogy a kernel32.dll-ből milyen API hívások keletkeztek (az API* formátumú dll fájlokat értjük ezek alatt).

b. Kernel32.dll függőségei:

c. NTDLL.dll szerepe, exportált függvények, információk az NT API-tól: