
PEfile is a library used to parse the Portable Executable format. It is very useful for malware analysis as it allows to extract informationabout the file such as Import Table,

headers information and more. It also has some packer detection mechanisms with PEID signature embedded

Output : ------Parsing Warnings-----

Byte 0x00 makes up 88.7416% of the file's contents. This may indicate truncation / malformation.

Suspicious flags set for section 2. Both IMAGE_SCN_MEM_WRITE and IMAGE_SCN_MEM_EXECUTE are set. This might indicate a packed executable

-----DOS HEADER-----

[IMAGE_DOS_HEADER]

0x0 0x0 e_magic: 0x5A4D

0x2 0x2 e cblp: 0x90

JX6 UX6 e_cric: UXU

0x8 0x8 e_cparhdr: 0x4

oxit oxit c_mmanoc.

0xC 0xC e_maxalloc: 0xFFFF

0xE 0xE e_ss: 0x0

0x10 0x10 e_sp. 0x20

X14 0X14 e_ip. 0X0

241 4 241 4 2 2422

0x1C 0x1C e res:

0x24 0x24 e_oemid: 0x0

0x28 0x28 e_res2:

0x3C 0x3C e Ifanew: 0xC8

-----NT_HEADERS-----

[IMAGE_NT_HEADERS]

0xC8 0x0 Signature: 0x455

-----FILE_HEADER-----

[IMAGE_FILE_HEADER]

0xCC 0x0 Machine: 0x8664

0xCE 0x2 NumberOfSections: 0x3

0xD0 0x4 TimeDateStamp: 0x4BC63C7D [Wed Apr 14 22:06:53 2010 UTC]

0xD4 0x8 PointerToSymbolTable: 0x0

0xD8 0xC NumberOfSymbols: 0x0

0xDC 0x10 SizeOfOptionalHeader: 0xF0

0xDE 0x12 Characteristics: 0x23

Flags: IMAGE_FILE_EXECUTABLE_IMAGE, IMAGE_FILE_LARGE_ADDRESS_AWARE, IMAGE_FILE_RELOCS_STRIPPED

-----OPTIONAL_HEADER-----

[IMAGE_OPTIONAL_HEADER64]

0xE0 0x0 Magic: 0x20B

0xE2 0x2 MajorLinkerVersion: 0x1

0xE3 0x3 MinorLinkerVersion: 0x0

0xE4 0x4 SizeOfCode: 0x3000

0xE8 0x8 SizeOfInitializedData: 0x1000

0xEC 0xC SizeOfUninitializedData: 0x0

0xF0 0x10 AddressOfEntryPoint: 0x4000

0xF4 0x14 BaseOfCode: 0x1000

0x100 0x20 SectionAlignment: 0x1000

0x104 0x24 FileAlignment: 0x200

0x108 0x28 MajorOperatingSystemVersion: 0x4

0x10A 0x2A MinorOperatingSystemVersion: 0x0

0x10C 0x2C MajorImageVersion: 0x0

0x10E 0x2E MinorImageVersion: 0x0

0x110 0x30 MajorSubsystemVersion: 0x4

0x112 0x32 MinorSubsystemVersion: 0x0

0x11C 0x3C SizeOfHeaders: 0x248

0x120 0x40 CheckSum: 0xA0B8

 0x126 0x46 DllCharacteristics: 0x8000

0x128 0x48 SizeOfStackReserve: 0x100000

0x130 0x50 SizeOfStackCommit: 0x1000

0x138 0x58 SizeOfHeapReserve: 0x100000

0x140 0x60 SizeOfHeapCommit: 0x1000

0x148 0x68 LoaderFlags: 0x0

0x14C 0x6C NumberOfRvaAndSizes: 0x10

DIICharacteristics: IMAGE_DLLCHARACTERISTICS_TERMINAL_SERVER_AWARE

-----PE Sections-----

[IMAGE_SECTION_HEADER]

0x1D0 0x0 Name: .text

0x1D8 0x8 Misc_PhysicalAddress: 0x104E

0x1D8 0x8 Misc_VirtualSize: 0x104E

0x1DC 0xC VirtualAddress: 0x1000

0x1E0 0x10 SizeOfRawData: 0x1200

0x1E4 0x14 PointerToRawData: 0x400

0x1E8 0x18 PointerToRelocations: 0x0

0x1EC 0x1C PointerToLinenumbers: 0x0

0x1F0 0x20 NumberOfRelocations: 0x0

0x1F2 0x22 NumberOfLinenumbers: 0x0

0x1F4 0x24 Characteristics: 0x60000020

Flags: IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_MEM_READ

Entropy: 0.168100 (Min=0.0, Max=8.0)

MD5 hash: a4a5deae25708a9e05f50bcad7075c86

SHA-1 hash: e66374a7f405687da2de82ab3fbcad13858fa6b2

SHA-256 hash: 04bf20abd166f5ae804746ecaaef3a31eca367efd50703d95f74efecb7edcd49

SHA-512 hash: 0dac9777168dd78df5610a86835102b6448b3500ec73af3036dfcf4c97860cafd46574f37f00f6548fdb3fc2b9658eafa5c7598f8ad4863889a48353c364

[IMAGE_SECTION_HEADER]

0x1F8 0x0 Name: .rdata

0x200 0x8 Misc: 0x84

0x200 0x8 Misc_PhysicalAddress: 0x84

0x200 0x8 Misc_VirtualSize: 0x84

0x204 0xC VirtualAddress: 0x3000

0x208 0x10 SizeOfRawData: 0x200

0x20C 0x14 PointerToRawData: 0x1600

0x210 0x18 PointerToRelocations: 0x0

0x214 0x1C PointerToLinenumbers: 0x0

0x218 0x20 NumberOfRelocations: 0x0

0x21A 0x22 NumberOfLinenumbers: 0x0

0x21C 0x24 Characteristics: 0x40000040

Flags: IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ

Entropy: 0.963087 (Min=0.0, Max=8.0)

MD5 hash: 4401b01ed5cab6e12da0b4d759abb811

SHA-1 hash: eaa0ea1391a9acb394adc341e7ccde20ebabe63d

SHA-256 hash: 044a2ed87d2236d5ec62e65a1d9e53ab4d953e30fdaa883268b7534541e557f6

[IMAGE_SECTION_HEADER]

0x220 0x0 Name: .admx

0x228 0x8 Misc_PhysicalAddress: 0x248

0x228 0x8 Misc_VirtualSize: 0x248

0x22C 0xC VirtualAddress: 0x4000

0x230 0x10 SizeOfRawData: 0x400

0x234 0x14 PointerToRawData: 0x1800

0x238 0x18 PointerToRelocations: 0x0

0x23C 0x1C PointerToLinenumbers: 0x0

0x240 0x20 NumberOfRelocations: 0x0

0x242 0x22 NumberOfLinenumbers: 0x0

0x244 0x24 Characteristics: 0xE0000020

Flags: IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_MEM_READ, IMAGE_SCN_MEM_WRITE

Entropy: 4.046846 (Min=0.0, Max=8.0)

MD5 hash: 08b807c33b87733c6f7640579169f388

SHA-1 hash: 50787b30ddcb6f50419216ccb2671c47e6a6b770

 $SHA-256\ hash:\ 5f240f8e2b47a622940bd356c52ac432d4d6def62572ecde2a76c963fb122ab6$

 $SHA-512 \ hash: \ c2d5c2d876cdfe8c28f73e6b936eb9e00f7d507c8d77d1756ea0d6c3a49aa004dff23d372e6c825b0dbddff00239664053eebb41d23a6d1986c942061fe8c9$

-----Directories-----

 $[{\sf IMAGE_DIRECTORY_ENTRY_EXPORT}]$

0x150 0x0 VirtualAddress: 0x0

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[IMAGE_DIRECTORY_ENTRY_IMPORT]
0x158 0x0 VirtualAddress: 0x41D0
0x15C 0x4 Size: 0x6C
[IMAGE_DIRECTORY_ENTRY_RESOURCE]
0x160 0x0 VirtualAddress: 0x0
0x164 0x4 Size: 0x0
[IMAGE_DIRECTORY_ENTRY_EXCEPTION]
0x168 0x0 VirtualAddress: 0x0
0x16C 0x4 Size: 0x0
[IMAGE_DIRECTORY_ENTRY_SECURITY]
0x170 0x0 VirtualAddress: 0x0
              0x0
0x174 0x4 Size:
[IMAGE_DIRECTORY_ENTRY_BASERELOC]
0x178 0x0 VirtualAddress: 0x4240
0x17C 0x4 Size: 0x8
[IMAGE_DIRECTORY_ENTRY_DEBUG]
0x180 0x0 VirtualAddress: 0x0
[IMAGE_DIRECTORY_ENTRY_COPYRIGHT]
0x188 0x0 VirtualAddress: 0x0
0x18C 0x4 Size: 0x0
[IMAGE_DIRECTORY_ENTRY_GLOBALPTR]
0x190 0x0 VirtualAddress: 0x0
[IMAGE_DIRECTORY_ENTRY_TLS]
0x198 0x0 VirtualAddress: 0x0
0x19C 0x4 Size: 0x0
[IMAGE_DIRECTORY_ENTRY_LOAD_CONFIG]
0x1A0 0x0 VirtualAddress: 0x0
[IMAGE_DIRECTORY_ENTRY_BOUND_IMPORT]
0x1A8 0x0 VirtualAddress: 0x0
[IMAGE_DIRECTORY_ENTRY_IAT]
0x1B0 0x0 VirtualAddress: 0x3000
[IMAGE_DIRECTORY_ENTRY_DELAY_IMPORT]
0x1B8 0x0 VirtualAddress:
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0x1BC	0x4	Size:	0x0	
[IMAGE_DIRECTORY_ENTRY_COM_DESCRIPTOR]				
0x1C0	0x0	VirtualAddress:	0x0	
0x1C4	0x4	Size:	0x0	
[IMAGE_DIRECTORY_ENTRY_RESERVED]				
0x1C8	0x0	VirtualAddress:	0x0	
0x1CC	0x4	Size:	0x0	
Imported symbols				
[IMAGE_IMPORT_DESCRIPTOR]				
0x19D0	0x0	OriginalFirstThunk:	0x41F8	
0x19D0	0x0	Characteristics:	0x41F8	
0x19D4	0x4	TimeDateStamp:	0x0	[Thu Jan 1 00:00:00 1970 UTC]
0x19D8	0x8	ForwarderChain:	0xFFFF	FFFF
0x19DC	0xC	Name:	0x4210	
0x19E0	0x10	FirstThunk:	0x3000	
KERNEL32.dll.VirtualAlloc Hint[1112] KERNEL32.dll.ExitProcess Hint[261]				
Base relocations				
[IMAGE_BASE_RELOCATION]				
0x1A40	0x0	VirtualAddress:	0x0	
0x1A44	0x4	SizeOfBlock:	0x8	