Advanced Function Obfuscation

Implementing Your Own Custom win32 API functions

No Obfuscation

VirtualAlloc()

Function Obfuscation

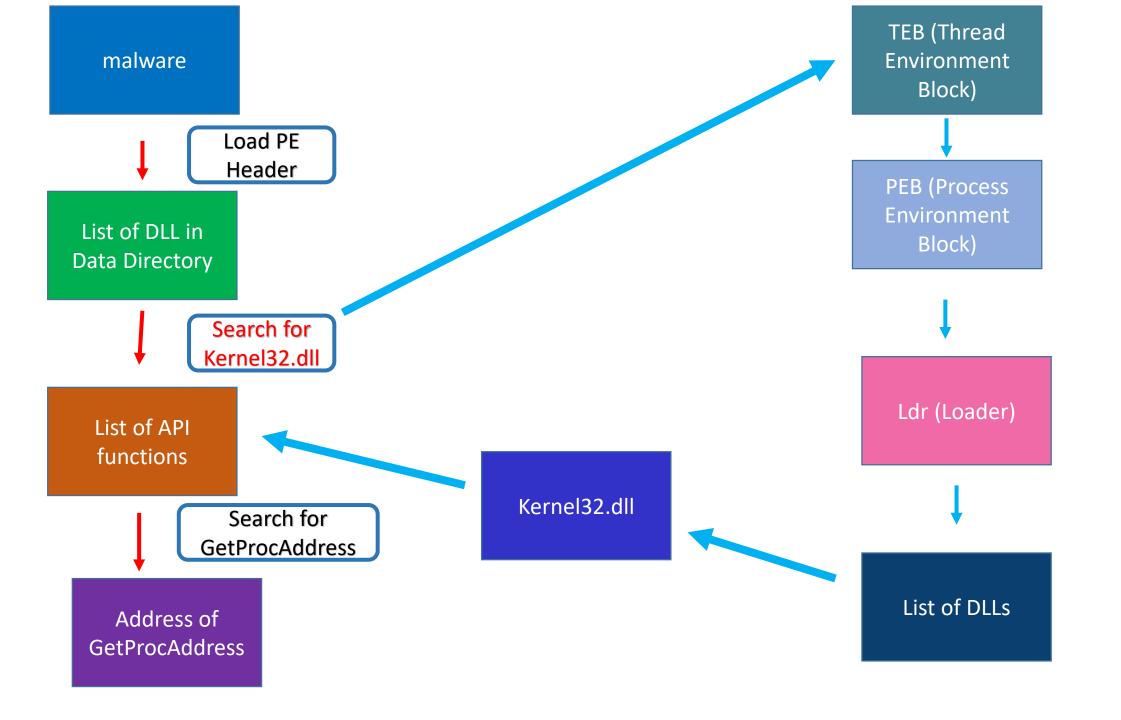
pVirtualAlloc = GetProcAddress(GetModuleHandle("Kernel32.dll"), "VirtualAlloc")

Function Obfuscation + String
Parameter Encryption

pVirtualAlloc = GetProcAddress(GetModuleHandle("Kernel32.dll"), strVirtualAlloc)

Custom API Function Obfuscation + String Parameter Encryption

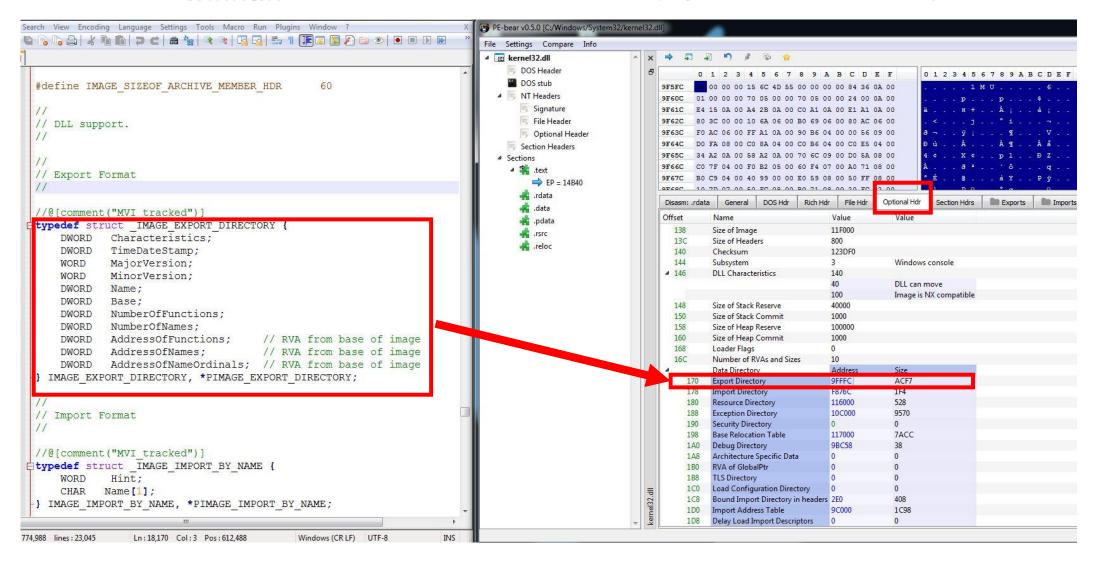
pVirtualAlloc = myGetProcAddress(myGetModuleHandle("Kernel32.dll"), strVirtualAlloc)



	← 64 bit								,		
	0	1	2	3	4	5	6	7			
	Signatur	re 0x5A4D		DOS	Head	er					
	(0x3C) Pointer to PE Header										
	DOS STUB										
0x0000	S:	ignature	0x504500	00	Macl	hine	#NumberO	fSections	1		
0x0008		TimeDat	teStamp		Po		ymbolTabl	e.	COFF Header		
0x0010	# NumberOfSymbolTable (deprecated)				SizeOfOptionalHeader Characteristics						
0x0018	Ма	gic	MajorLinker Version	MinorLinker Version			fCode		lt	•	
0x0020	Si	zeOfInit:	ializedDa	ta	Siz	eOfUnini	tializedD	ata	Standard COFF Fields		
0x0028	A	ddressOfI	EntryPoin	t			fCode		v elus		
0x0030			fData _{VA)}			Image	eBase		 		
0x0038		SectionA	lignment			FileAl:	ignment				
0x0040		erating Version		erating Version		Image sion		Image sion			
0x0048		ıbsystem sion		bsystem sion	,		sionValue				
0x0050		SizeO	fImage			SizeOf	Headers		Windows Specific Fields		
0x0058			CheckSum		Subsystem DllCharacter		teristics				
0x0060		SizeOfSta	ckReserv	e		SizeOfSta	ackCommit				
0x0068		SizeOfHea	apReserve			SizeOfHe	apCommit				
0x0070			rFlags		# :	NumberOf	RvaAndSiz	es			
			tTable			SizeOfExp	ortTable		 		
			tTable			SizeOfImp	portTable			Optional	
			ceTable		s	izeOfReso	ourceTabl	.e		Header	
			onTable		Si	zeOfExce	ptionTab	le			
			ateTable		Siz	eOfCerti	ficateTal	ble			
	В	aseReloca	tionTabl	.e	Size	OfBaseRe:	locationT	able			
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	De	layImport	tDescript	or	SizeO	fDelayIm	oortDescr	iptor			

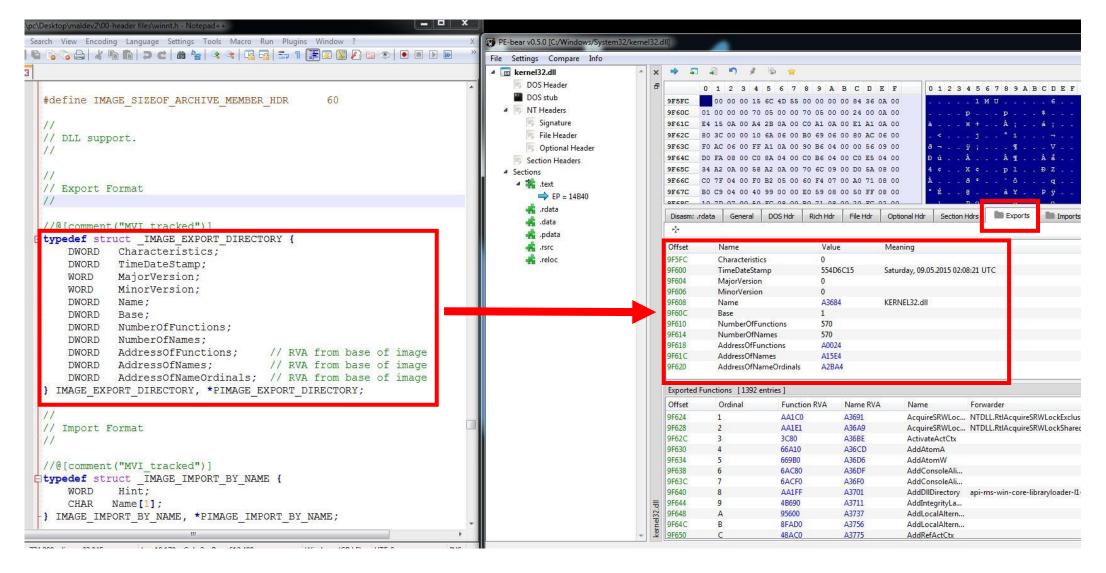
winnt.h

PE Header of Kernel32.dll (Optional Header Tab)



winnt.h

PE Header of Kernel32.dll (Exports Tab)



Thank you