typedef struct \_PEB {

BOOLEAN InheritedAddressSpace;

BOOLEAN ReadImageFileExecOptions;

BOOLEAN BeingDebugged;

BOOLEAN Spare;

HANDLE Mutant;

PVOID ImageBaseAddress;

PPEB\_LDR\_DATA LoaderData;

PRTL\_USER\_PROCESS\_PARAMETERS ProcessParameters;

PVOID SubSystemData;

PVOID ProcessHeap;

PVOID FastPebLock;

PPEBLOCKROUTINE FastPebLockRoutine;

PPEBLOCKROUTINE FastPebUnlockRoutine;

ULONG EnvironmentUpdateCount;

PVOID KernelCallbackTable;

PVOID EventLogSection;

PVOID EventLog;

PPEB\_FREE\_BLOCK FreeList;

ULONG TlsExpansionCounter;

PVOID TlsBitmap;

ULONG TlsBitmapBits[0x2];

PVOID ReadOnlySharedMemoryBase;

PVOID ReadOnlySharedMemoryHeap;

PPVOID ReadOnlyStaticServerData;

PVOID AnsiCodePageData;

PVOID OemCodePageData;

PVOID UnicodeCaseTableData;

ULONG NumberOfProcessors;

ULONG NtGlobalFlag;

BYTE Spare2[0x4];

LARGE\_INTEGER CriticalSectionTimeout;

ULONG HeapSegmentReserve;

ULONG HeapSegmentCommit;

ULONG HeapDeCommitTotalFreeThreshold;

ULONG HeapDeCommitFreeBlockThreshold;

ULONG NumberOfHeaps;

ULONG MaximumNumberOfHeaps;

PPVOID \*ProcessHeaps;

PVOID GdiSharedHandleTable;

PVOID ProcessStarterHelper;

PVOID GdiDCAttributeList;

PVOID LoaderLock;

ULONG OSMajorVersion;

ULONG OSMinorVersion;

ULONG OSBuildNumber;

ULONG OSPlatformId;

ULONG ImageSubSystem;

ULONG ImageSubSystemMajorVersion;

ULONG ImageSubSystemMinorVersion;

ULONG GdiHandleBuffer[0x22];

ULONG PostProcessInitRoutine;

ULONG TlsExpansionBitmap;

BYTE TlsExpansionBitmapBits[0x80];

ULONG SessionId;

} PEB, \*PPEB;

typedef struct \_TIB {

NT\_TIB Tib;

PVOID EnvironmentPointer;

CLIENT\_ID Cid;

PVOID ActiveRpcInfo;

PVOID ThreadLocalStoragePointer;

PPEB Peb;

ULONG LastErrorValue;

ULONG CountOfOwnedCriticalSections;

PVOID CsrClientThread;

PVOID Win32ThreadInfo;

ULONG Win32ClientInfo[0x1F];

PVOID WOW32Reserved;

ULONG CurrentLocale;

ULONG FpSoftwareStatusRegister;

PVOID SystemReserved1[0x36];

PVOID Spare1;

ULONG ExceptionCode;

ULONG SpareBytes1[0x28];

PVOID SystemReserved2[0xA];

ULONG GdiRgn;

ULONG GdiPen;

ULONG GdiBrush;

CLIENT\_ID RealClientId;

PVOID GdiCachedProcessHandle;

ULONG GdiClientPID;

ULONG GdiClientTID;

PVOID GdiThreadLocaleInfo;

PVOID UserReserved[5];

PVOID GlDispatchTable[0x118];

ULONG GlReserved1[0x1A];

PVOID GlReserved2;

PVOID GlSectionInfo;

PVOID GlSection;

PVOID GlTable;

PVOID GlCurrentRC;

PVOID GlContext;

NTSTATUS LastStatusValue;

UNICODE\_STRING StaticUnicodeString;

WCHAR StaticUnicodeBuffer[0x105];

PVOID DeallocationStack;

PVOID TlsSlots[0x40];

LIST\_ENTRY TlsLinks;

PVOID Vdm;

PVOID ReservedForNtRpc;

PVOID DbgSsReserved[0x2];

ULONG HardErrorDisabled;

PVOID Instrumentation[0x10];

PVOID WinSockData;

ULONG GdiBatchCount;

ULONG Spare2;

ULONG Spare3;

ULONG Spare4;

PVOID ReservedForOle;

ULONG WaitingOnLoaderLock;

PVOID StackCommit;

PVOID StackCommitMax;

PVOID StackReserved;

} TIB, \*PTIB;