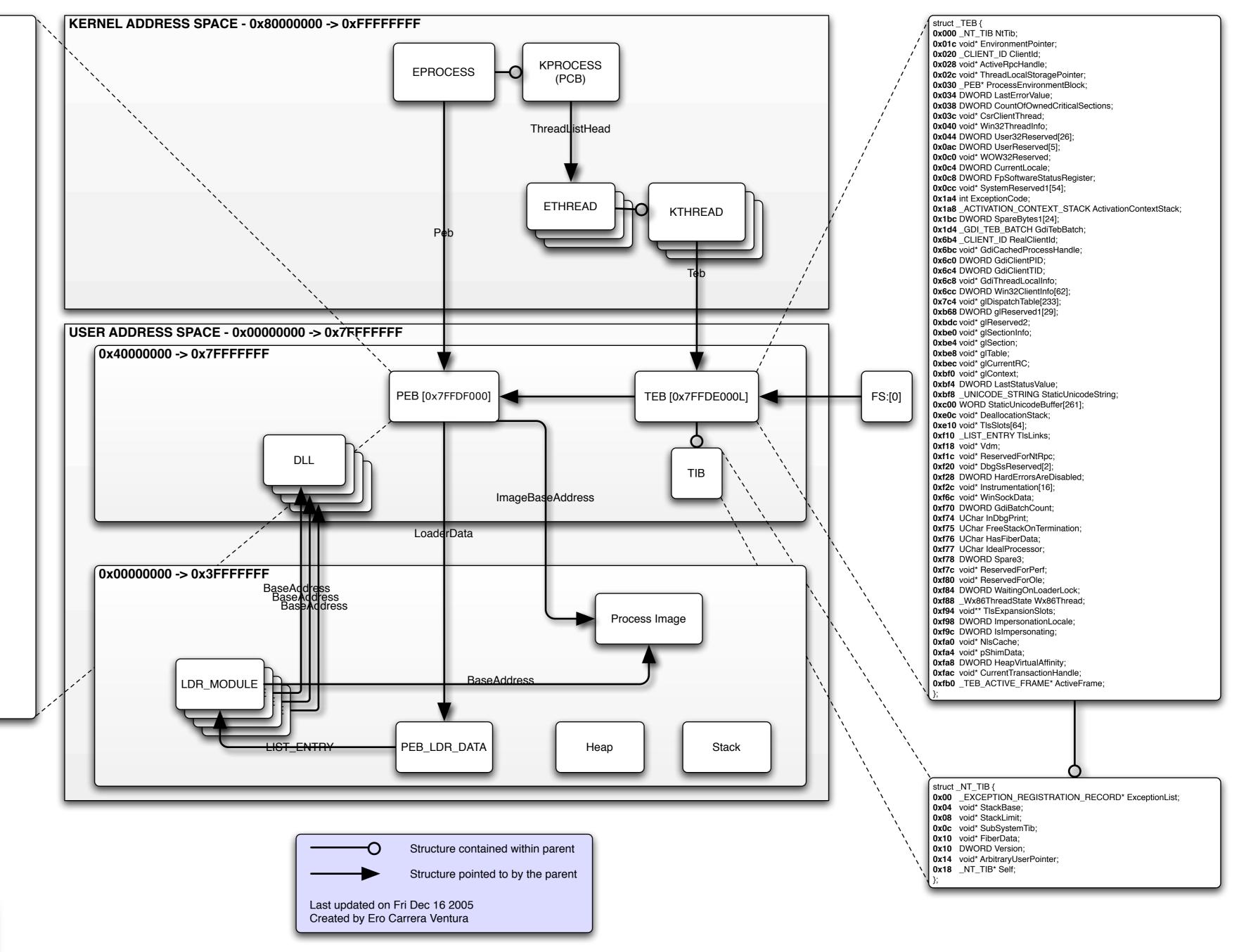
struct \_PEB { 0x000 BYTE InheritedAddressSpace; **0x001** BYTE ReadImageFileExecOptions; 0x002 BYTE BeingDebugged; 0x003 BYTE SpareBool; 0x004 void\* Mutant; 0x008 void\* ImageBaseAddress; 0x00c PEB LDR DATA\* Ldr; 0x010 \_RTL\_USER\_PROCESS\_PARAMETERS\* ProcessParameters; 0x014 void\* SubSystemData; 0x018 void\* ProcessHeap: **0x01c** \_RTL\_CRITICAL\_SECTION\* FastPebLock; 0x020 void\* FastPebLockRoutine; 0x024 void\* FastPebUnlockRoutine; 0x028 DWORD EnvironmentUpdateCount; 0x02c void\* KernelCallbackTable; 0x030 DWORD SystemReserved[1]; 0x034 DWORD ExecuteOptions:2; // bit offset: 34, len=2 **0x034** DWORD SpareBits:30; // bit offset: 34, len=30 0x038 \_PEB\_FREE\_BLOCK\* FreeList; 0x03c DWORD TIsExpansionCounter; 0x040 void\* TIsBitmap; 0x044 DWORD TIsBitmapBits[2]; **0x04c** void\* ReadOnlySharedMemoryBase; 0x050 void\* ReadOnlySharedMemoryHeap; **0x054** void\*\* ReadOnlyStaticServerData; 0x058 void\* AnsiCodePageData; 0x05c void\* OemCodePageData; 0x060 void\* UnicodeCaseTableData; **0x064** DWORD NumberOfProcessors; 0x068 DWORD NtGlobalFlag; **0x070** LARGE\_INTEGER CriticalSectionTimeout; 0x078 DWORD HeapSegmentReserve; 0x07c DWORD HeapSegmentCommit; **0x080** DWORD HeapDeCommitTotalFreeThreshold; 0x084 DWORD HeapDeCommitFreeBlockThreshold; 0x088 DWORD NumberOfHeaps; 0x08c DWORD MaximumNumberOfHeaps; 0x090 void\*\* ProcessHeaps; 0x094 void\* GdiSharedHandleTable; 0x098 void\* ProcessStarterHelper; 0x09c DWORD GdiDCAttributeList: 0x0a0 void\* LoaderLock; 0x0a4 DWORD OSMajorVersion; 0x0a8 DWORD OSMinorVersion: 0x0ac WORD OSBuildNumber; 0x0ae WORD OSCSDVersion; 0x0b0 DWORD OSPlatformId; 0x0b4 DWORD ImageSubsystem; 0x0b8 DWORD ImageSubsystemMajorVersion; **0x0bc** DWORD ImageSubsystemMinorVersion; 0x0c0 DWORD ImageProcessAffinityMask; 0x0c4 DWORD GdiHandleBuffer[34]; 0x14c void (\*PostProcessInitRoutine)(); 0x150 void\* TlsExpansionBitmap; 0x154 DWORD TIsExpansionBitmapBits[32]; 0x1d4 DWORD SessionId; **0x1d8** \_ULARGE\_INTEGER AppCompatFlags; **0x1e0** \_ULARGE\_INTEGER AppCompatFlagsUser; 0x1e8 void\* pShimData; 0x1ec void\* AppCompatInfo; 0x1f0 UNICODE STRING CSDVersion; 0x1f8 void\* ActivationContextData; **0x1fc** void\* ProcessAssemblyStorageMap; 0x200 void\* SystemDefaultActivationContextData; 0x204 void\* SystemAssemblyStorageMap; 0x208 DWORD MinimumStackCommit;





## **Memory Layout for Windows XP**

## References:

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Inside Microsoft® Windows® 2000, Third Edition [Chapter 6: Processes, Threads, and Jobs] http://www.microsoft.com/mspress/books/sampchap/4354.asp