Layout of Processes and Threads

Process

Process Code

Global Memory
shared by threads, user serialized

Thread Stack, Thread Local Storage

Thread Stack, Thread Local Storage

Heap Allocations

Default Process Heap
serialized by Windows,
used by Win32 functions

Other Heaps
can be
serialized by
Windows

Main (UI) Thread

Worker Thread

process handle

module handle

DLL Code

heap handle

heap handle

thread handle

thread handle

send or post
messages
only

window

window

window handle

window handle