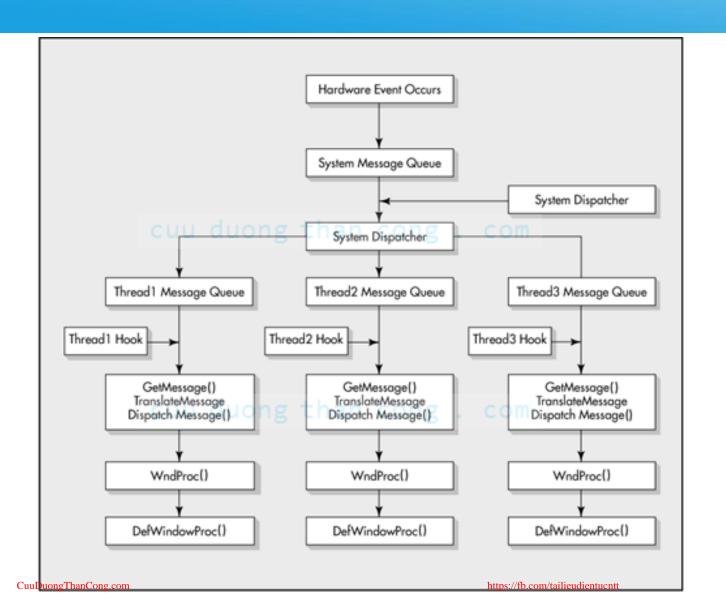


Windows programming

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What is hook?



Definition

- Monitor events
- Before it happens Do something
- Allow the event to happen or not
- After it happens Do something

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Two types of hook

- Thread hook: monitor all message in a thread or an application

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Objectives

- Keyboard: Vietnamese typing, log, macro (games), remote control (recording)...
- Mouse: Click'n See
- CBT Computer based training

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Message

- WH_KEYBOARD: WM_KEYDOWN, WM_KEYUP
- WH_MOUSE
- WH_GETMESSAGE: Common message
- WH_CBT: create, acive, destroy, maximize, minimize, move, size... of window
- WH_JOURNALPLAYBACK: System message queue
- WH_JOURNALRECORD: Global hook

HookProc

- LRESULT CALLBACK HookProc(
 int nCode,
 WPARAM wParam,
 LPARAM (Param); ng than cong . com
- SetWindowsHookEx
- UnhookWindowsHookEx

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Hook chain

Last hook function will be activated first!

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