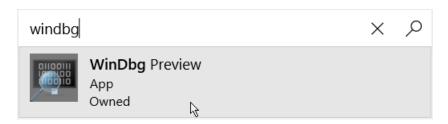# Prerequisites

This lab lists the prerequisites for the Effective Debugging workshop.

Install Visual Studio

Go to https://visualstudio.microsoft.com/downloads/ and install Visual Studio (any edition)

Install WinDBG

With Windows 10, go to Windows Store and search for "Windbg"

And install it (pin to task bar for easier access)

For earlier versions of Windows, follow these instructions (https://docs.microsoft.com/en-us/windows-hardware/drivers/debugger/debugger-download-tools) to install the non-Store version of WinDBG.

Download sosex extension

Download the x64 version of sosex from http://www.stevestechspot.com/downloads/sosex_64.zip

Download SysInternals suite

The following tools from SysInternals are used during the workshop

- Process Explorer
- VMMap
- procdump

Download https://download.sysinternals.com/files/SysinternalsSuite.zip

Miscellaneous

- Download LeakShell from https://codenasarre.wordpress.com/2017/02/21/tool-update-leakshell-1-4-2/
- Download the last version of Perfview from https://github.com/microsoft/perfview/releases