

SDK for Migration

Written by Sean Hsu

Last Modified Date: Aug. 2016

PAC SDK Comparison

The PACSDK is a software development kits that contain the header files, libraries, documentation and tools required to develop applications for XPAC, WinPAC and ViewPAC series devices.

The SDK library files, PACSDK.dll, PACSDK_PWM.dll, PACSDK.lib, and PACSDK_PWM.lib, are used to develop VC programs for WinPAC/ViewPAC (WinCE5.0) series devices. However, for WinPAC/ViewPAC devices operating under the WEC7.0 of platform, the two types of library files that have been built using different compilers are not interchangeable, even where the name of the C SDK library file is the same. The .NET Framework library used for both of the platforms is the PACNET.dll file, which can be shared for all platforms.

Items	PACSDK (Win CE5.0)	PACSDK (WEC 7.0)
Library file for developing VC program		
Header files for development	PACSDK.h PACSDK_PWM.h	PACSDK.h PACSDK_PWM.h
Library files for development	PACSDK.lib PACSDK_PWM.lib	PACSDK.lib PACSDK_PWM.lib
Native DLL files for target device	PACSDK.dll PACSDK_PWM.dll	PACSDK.dll PACSDK_PWM.dll
Supported Platforms	WP-8000 (CE5) WP-5000 (CE5) VP-25Wx (CE5)	WP-9000-CE7 WP-8x2x-CE7 VP-x231-CE7 WP-523x-CE7
Library file for developing C#/VB.net program		
.NET CF DLL files for target device	PACNET.dll	
Supported Platforms	All platforms	

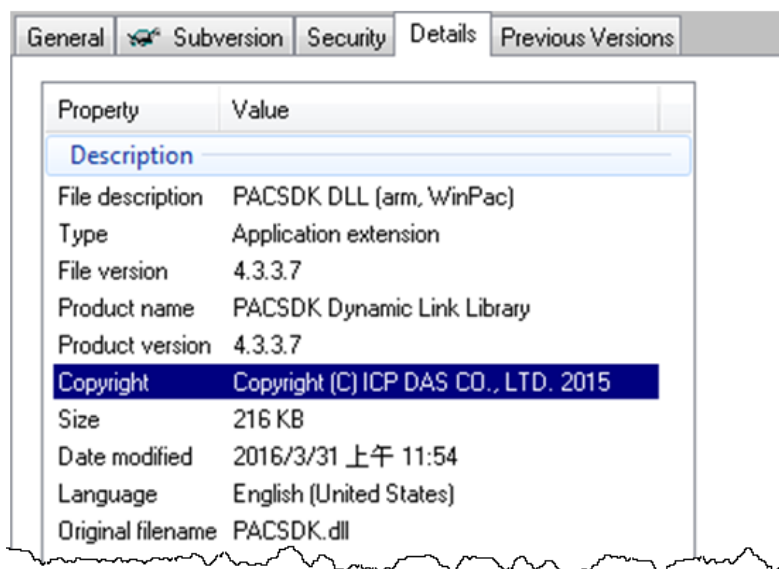
The number and name for each PACSDK.dll and PACNET.dll function are the same. The benefits of the implementing a unified SDK is that the programs for each platform can be easily migrated.

Identifying the PACSDK.dll version

On the Windows base PC, open an "Explorer" window and navigate to the folder contains the PACSDK.dll file, Right-click the name of the PACSDK.dll file, and then select "Properties" from the menu. Click the "Details" tab. You can determine which platform the PACSDK.dll file applies to by checking the information in the "File description" filed.

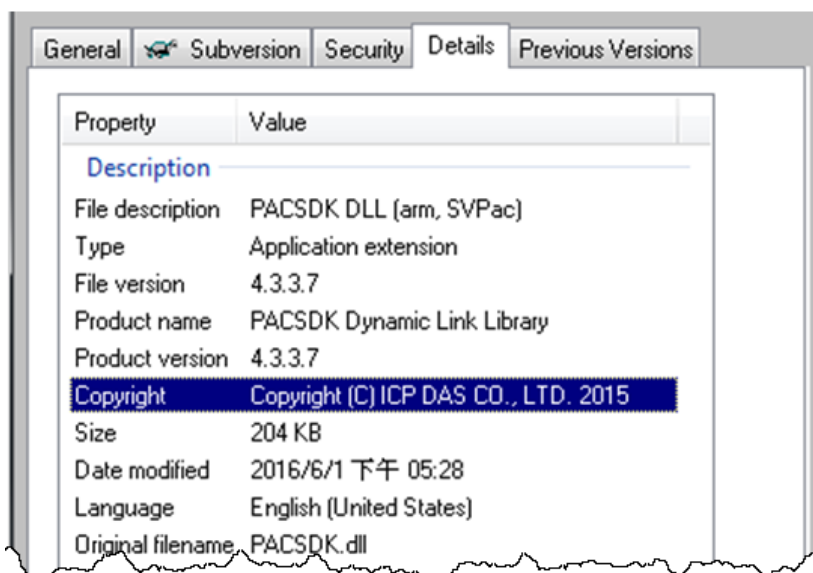
PACSDK DLL(**arm**, **WinPAC**)

Applied to WP-8000 (CE5), WP-5000 (CE5) and VP-25Wx (CE5) devices



PACSDK DLL(**arm**, **SVPAC**)

Applied to WP-9000-CE7, WP-8x2x-CE7, VP-x231-CE7, and WP-523x-CE7 devices



Location of the PACSDK.dll, PACSDK_PWM.dll, or PACNET.dll files on the PAC

No matter whether the device being used is a WinPAC/ViewPAC(WP-8000 (CE5)/WP-5000 (CE5)/VP-25Wx (CE5)) or WinPAC/ViewPAC(WP-9000-CE7/WP-8x2x-CE7/VP-x231-CE7/WP-523x-CE7), the three dll files will be placed in the \system_disk\icpdas\system folder on the PAC.

Downloading the latest version of dll file

WP-8000 (CE5)/WP-5000 (CE5)/VP-25Wx (CE5)

- PACSDK.dll/PACSDK_PWM.dll

http://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x4x_ce50/sdk/winpacsdk/

- PACNET.dll

http://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x4x_ce50/sdk/winpacnet/

WP-9000-CE7/WP-8x2x-CE7/VP-x231-CE7/WP-523x-CE7

- PACSDK.dll/PACSDK_PWM.dll

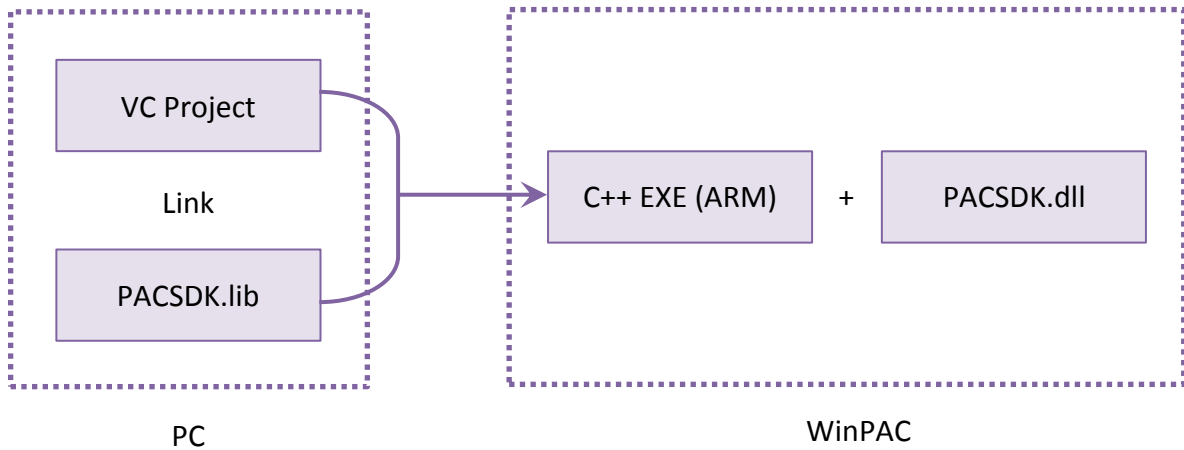
http://ftp.icpdas.com/pub/cd/winpac_am335x/wp-5231/sdk/pacsdk/

- PACNET.dll

http://ftp.icpdas.com/pub/cd/winpac_am335x/wp-5231/sdk/pacnet/

1. Using the pacsdk.dll and packsdk.lib to develop a VC program

While it is being built, the VC project must be linked to PACSDK.lib file, and the final executable file that is uploaded to the PAC series device must work with the PACSDK.dll file.



2. Using the pacnet.dll to develop a C# or VB.net program

While it is being built, the C#/VB.net project must refer to the PACNET.dll file, and the final executable file that is placed uploaded to the PAC series device must work with the PACSDK.dll/PACNET.dll file.

