SDK for Migration

(WINCE-based x86 platform)

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Comparison of PACSDK versions

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 XPAC series devices. The .NET Framework library used for both of the platforms is the PACNET.dll file, which can be shared for all platforms.

Comparison of the PACSDK Library versions

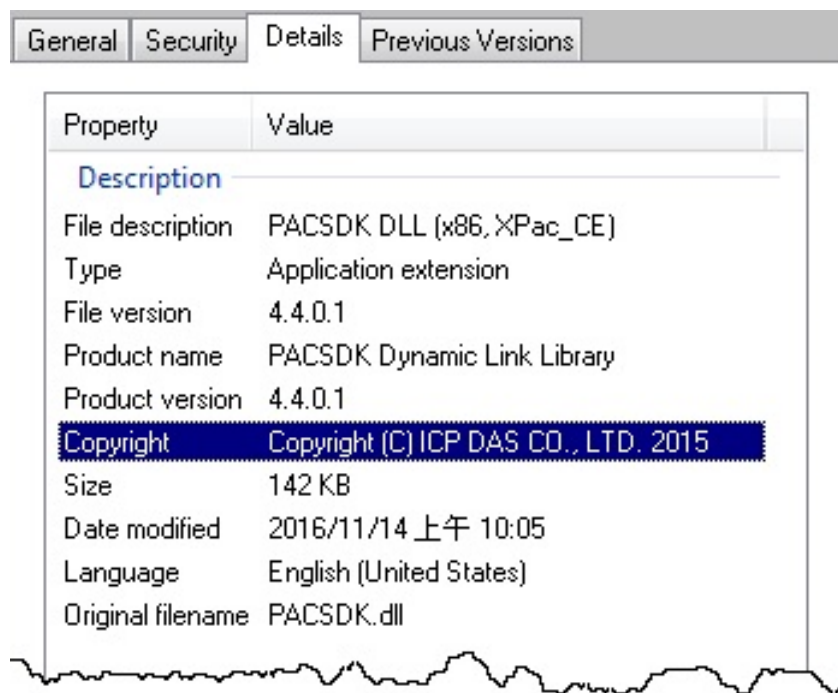| Items	PACSDK (XP-8X4x-Atom-CE6)	PACSDK (XP-8X3x-CE6)
Library file for developing VC program		
Header files used for development	PACSDK.h PACSDK_PWM.h	PACSDK.h PACSDK_PWM.h
Library files used for development	PACSDK.lib PACSDK_PWM.lib	PACSDK.lib PACSDK_PWM.lib
Native DLL files for the target device	PACSDK.dll PACSDK_PWM.dll	PACSDK.dll PACSDK_PWM.dll
Supported Platforms	XP-8X4X-CE6 XP-8X4X-Atom-CE6	XP-8X4X-CE6 XP-8X4X-Atom-CE6 XP-8X3X-CE6
Library file for developing C#/VB.net program		
.NET CF DLL files for the target device	PACNET.dll	
Supported Platforms	All platforms	

The number and name for each PACSDK.dll and PACNET.dl 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 containing 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" item.

PACSDK DLL (x86,XPac_CE)

Applied to XP-8X4X-CE6,XP-8X4X-Atom-CE6 and XP-8X3X-CE6 devices, The SDK version **4.4.0.1 or later** to support XP-8X3X-CE6.

Property	Value
Description	
File description	PACSDK DLL (x86, XPac_CE)
Type	Application extension
File version	4.4.0.1
Product name	PACSDK Dynamic Link Library
Product version	4.4.0.1
Copyright	Copyright (C) ICP DAS CO., LTD. 2015
Size	142 KB
Date modified	2016/11/14 上午 10:05
Language	English (United States)
Original filename	PACSDK.dll

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

No matter whether the device being used is a XPCA(XP-8X4X-CE6/XP-8X4X-Atom-CE6/XP-8X3X-CE6), the three dll files will be placed in the \\system_disk\\icpdas\\system folder on the PAC.

Downloading the latest version of dll file

XP-8X4X-CE6/XP-8X4X-Atom-CE6/XP-8X3X-CE6

- **PACSDK.dll/PACSDK_PWM.dll**

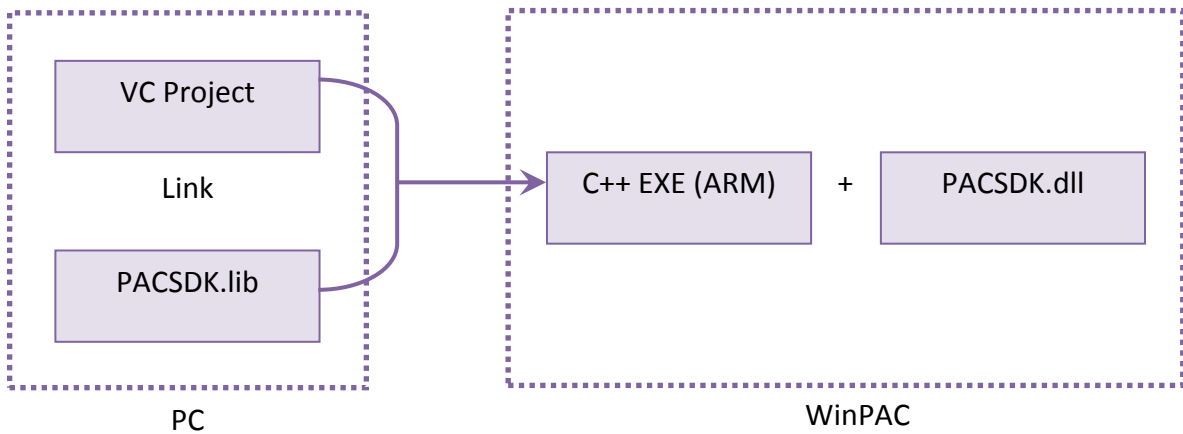   The latest version of the dll file can be downloaded from:
    http://ftp.icpdas.com/pub/cd/xp-8x3x-ce6/sdk/xpacsdk/pacsdk/

- **PACNET.dll**

    The latest version of the dll file can be downloaded from:
    http://ftp.icpdas.com/pub/cd/xp-8x3x-ce6/sdk/xpacnet/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.

```
PC                                    WinPAC
┌─────────────────┐      ┌──────────────────────────────────────┐
│  VC Project     │      │  C++ EXE (ARM)   +   PACSDK.dll       │
│                 │─────▶│                                       │
│  Link           │      │                                       │
│  PACSDK.lib     │      │                                       │
└─────────────────┘      └──────────────────────────────────────┘
```

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.

```
PC                                    XPAC
┌─────────────────┐      ┌──────────────────────────────────────────────────┐
│  C#/VB.net      │      │  .net EXE  +  PACNET.dll  +  PACSDK.dll           │
│  Project        │─────▶│                                                   │
│  Refer to       │      │                                                   │
│  PACNET.dll     │      │                                                   │
└─────────────────┘      └──────────────────────────────────────────────────┘
```