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How to debug Visual Studio 2005/2008 programs online through TCP/IP

Appli	es to:		
	Platform	OS version	WinPAC/ViewPAC utility version
	WP-8x3x	All versions	All versions
	WP-8x4x	V1.3.0.4 or later	All versions
	VP-25W1	All versions	All versions
	VP-23W1	All versions	All versions
	WP-5000	All versions	All versions
	VP-4131	All versions	All versions

To debug WinPAC programs in Visual Studio 2005/2008 online, perform the following steps:

Tips & Warnings

You must install the WinPAC SDK before you can develop any Visual Studio 2005/2008 programs. The WinPAC SDK is a Software Development Kit (SDK) that contains C header files, C libraries and other documents. Below is the step-by-step procedure for installing the WinPAC SDKs.

Step 1: Insert the CD into your CD-ROM drive

Step 2: Execute the "PAC270_SDK_YYYYMMDD.msi" which is located in CD:\Napdos\wp-8x4x_ce50\SDK\

Step 3: Follow the prompts until the installation is complete

Step 1: Make sure the following files are listed together with the matching version numbers.

Path	File
C:\Program Files\Common Files\Microsoft Shared\CoreCon\1.0\Bin	 ActiveSyncBootstrap.dll ConMan2.dll ConManPS.dll DesktopDMA.dll eDbgTL.dll TcpConnectionC.dll
C:\Program Files\Common Files\Microsoft Shared\CoreCon\1.0\Bin\1033	conmanui.dll
C:\Program Files\Common Files\Microsoft Shared\CoreCon\1.0\Target\wce400\armv4i	 DeviceDMA.dll eDbgTL.dll TcpConnectionA.dll clientshutdown.exe CMAccept.exe ConmanClient2.exe
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Step 2: If the version number matches correctly and all the files are there, copy the following files to the WinPAC side:

Clientshutdown.exe, ConmanClient2.exe, CMaccept.exe, eDbgTL.dll, TcpConnectionA.dll

Step 3: Click the "Project-> [Project Name] Properties..." menu option.



Step 4: On the "Devices*" tab, deselect "Deploy the latest version of the .NET compact Framework (including Service Packs)" check box.

Application	Configuration: N/A V Platform: N/A V
Build	
Build Events	<pre>>ployment Options <u>T</u>arget device:</pre>
Debug	PAC50-ARMV4: ARMV4I_Release
Resources	<u>O</u> utput file folder: %CSIDL_PROGRAM_FILFS%/create_database
Reference Paths	Deploy the latest version of the .NET Compact Framework (including Service Packs)
Signing	thenticode Signing
Devices*	Sign the project output with this certificate
Devides	Select <u>C</u> er

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Step 5: Click the "Device Options" icon on the toolbar.



Step 6: Select the "PAC 270" from the "Show devices platform" list, and then click the "Properties..." button. In the properties dialog window, click the configure button and then enter the IP address of the target device in the "use specific IP address" field in the "Configure TCP/IP Transport" dialog. Click "OK" on all open dialogs.

Options 2
Documents Find and Replace Fonts and Colors Help Devices: PAC50-ARMY4: ARMY4I Release Properties Save As
Default output location on device: Program Files Folder Transport: TCP Connect Transport Bootstrapper: ActiveSyne Startup Provider Det Det Det Det Det Det Det Det OK Cancel
Configure Territ Transport Use fixed port number: 5655 Device IP address Obtain an IP address automatically using ActiveSync Use specific IP address: 10.0.9.43 CREDAS Co. Ltd. Tachnical document
OK Cancel ICP DAS Co., Ltd. Technical document

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Step 7: Execute both the "CommanClient2.exe" and the "CMAccept.exe" applications on the WinPAC.

File Edit	<u>V</u> iew <u>G</u> o		1		2					▶? ×
Address S	ystem_Disk\IC	PDAS\System								~
TcpConne	eDbgTt	ConmanCli	sonMan2	CMAccept	lientshut	AutoInit	TT AutoLoader	(WinpacSDK	Sleep	
WinconSDK	WINPAC	PAC8172	PAC8050	PAC8024	8 017H		17000CE	Wincon		
olece400d	OLECE400	mfcce400d	MFCCE400							
-										

Step 8: Click the "Connect to Device" icon on the toolbar.



Step 9: Wait for the connection to be established.

Connecting Connecting To PAC50-ARMV4: ARMV4I_Release' Cancel	Connecting To PAC50-ARMV4: ARMV4I_Release' Connection succeeded. Close
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Step 10: Select "PAC 270" from the "Platform" list and then click the "Connect" button.

Connect to Device	? 🛛
To connect to a physical device or launch an emulator image, select a	<u>C</u> onnect
Platform:	Cancel
PAC270	
Devices.	
PAC50-ARMV4: ARMV4I_Release	

Step 11: After the Connection is established, you can debug the program online.

FAQ:

▲ If the connection fails, as shown below, return to step 6 to perform the following actions.

Connecting	? 🔀
To PAC50-ARMV4: ARMV4I_Release' Connection failed ActiveSync is not installed.	
	Close

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Step 6: Select "Windows CE" from the "Show devices for platform" list, and then click the "Properties..." button. In the properties dialog window, click the configure button and then enter the IP address of the target device in the "use specific IP address" field in the "Configure TCP/IP Transport" dialog. Click "OK" on all open dialogs.



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Revision History

Revision	Date	Description
1.0.1	2013/08/06	NEW: Added support information for WP-5000 and VP-4131.
1.0.0	2010/02/12	Initial release