

## Advantech AE Technical Share Document

Date	2018/09/27	SR#	1-3543602411
Category	■FAQ □SOP	Related OS	N/A
Abstract	How to use ADSDIO dll file in 64 bit OS environment		
Keyword	ADAM/APAX .Net Library, C++, ADSDIO, DLL, 64 bit, OS, Visual Studio		
Related Product	All ADAM/APAX Series		

### ■ Problem Description:

This document describes how to apply AdamApax.NET Class Library ADSDIO.DLL using Microsoft Visual Studio in 64 bit OS. When user wants to use Advantech sample codes in 64 bit OS, user needs to change the configuration manager before compiling the codes.



### ■ Answer:

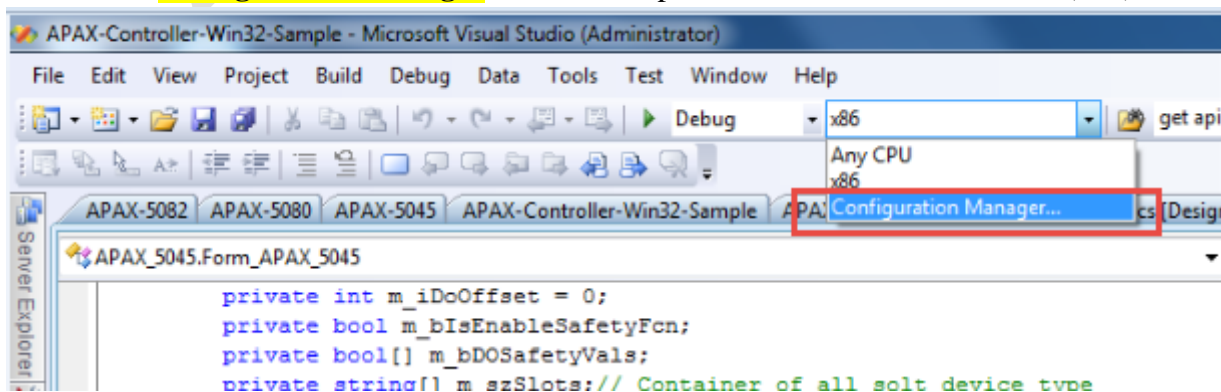
Generally speaking, AdamApax.NET Class Library sample code would search “ADSDIO.dll” in the folder which related the OS where visual studio has been installed.

If the APAX-5580's OS is **64 bit**, Visual Studio would search all of system folder related to 64 bit OS, like the driver folder **System32**.

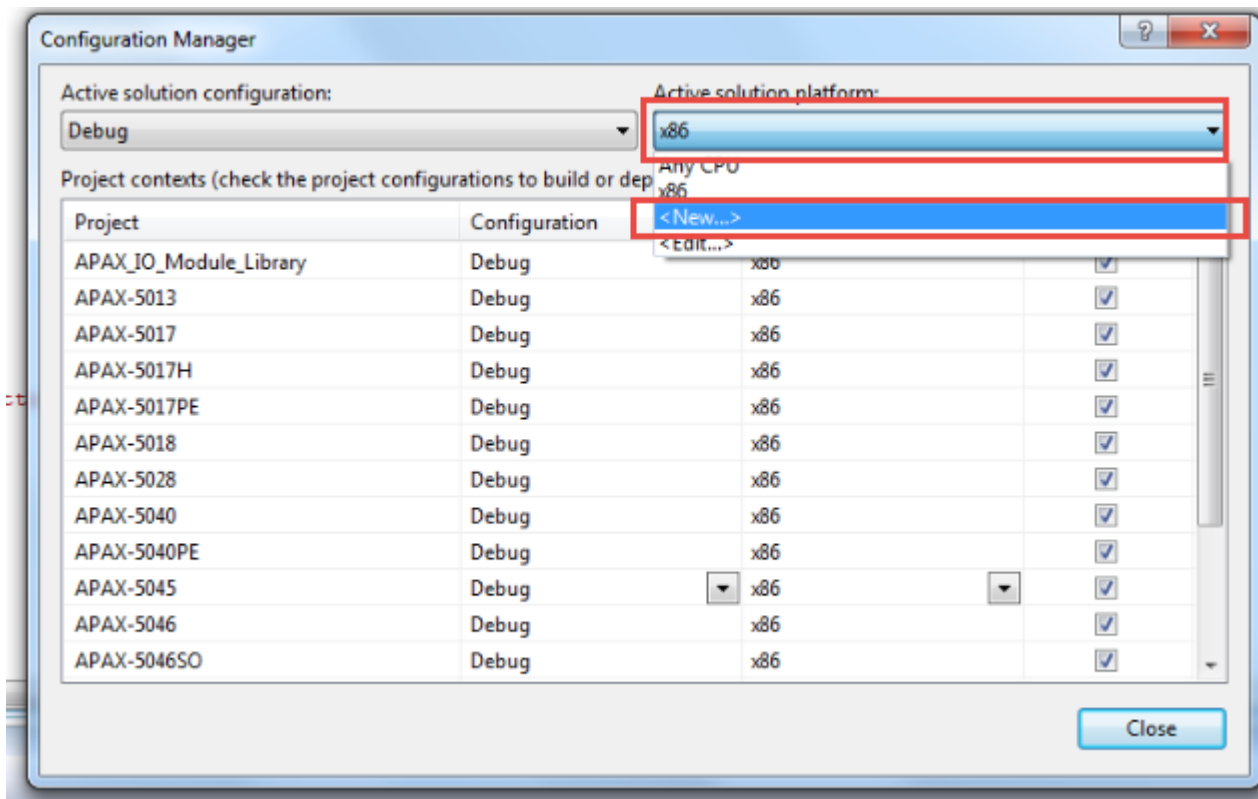
However, current ADSDIO.dll in AdamApax.NET Class Library is **32 bit**. After installation In 64 bit OS, ADSDIO.dll would be put in **SysWOW64** directory instead of System32. The sample code of Visual Studio **64 bit** does not search **SysWOW64** folder because it is not 64-related system folder. That's why sample code in **64 bit** OS could not find ADSDIO.dll by default.

The following step is the way to make the 64 bit sample codes search ADSDIO.dll.

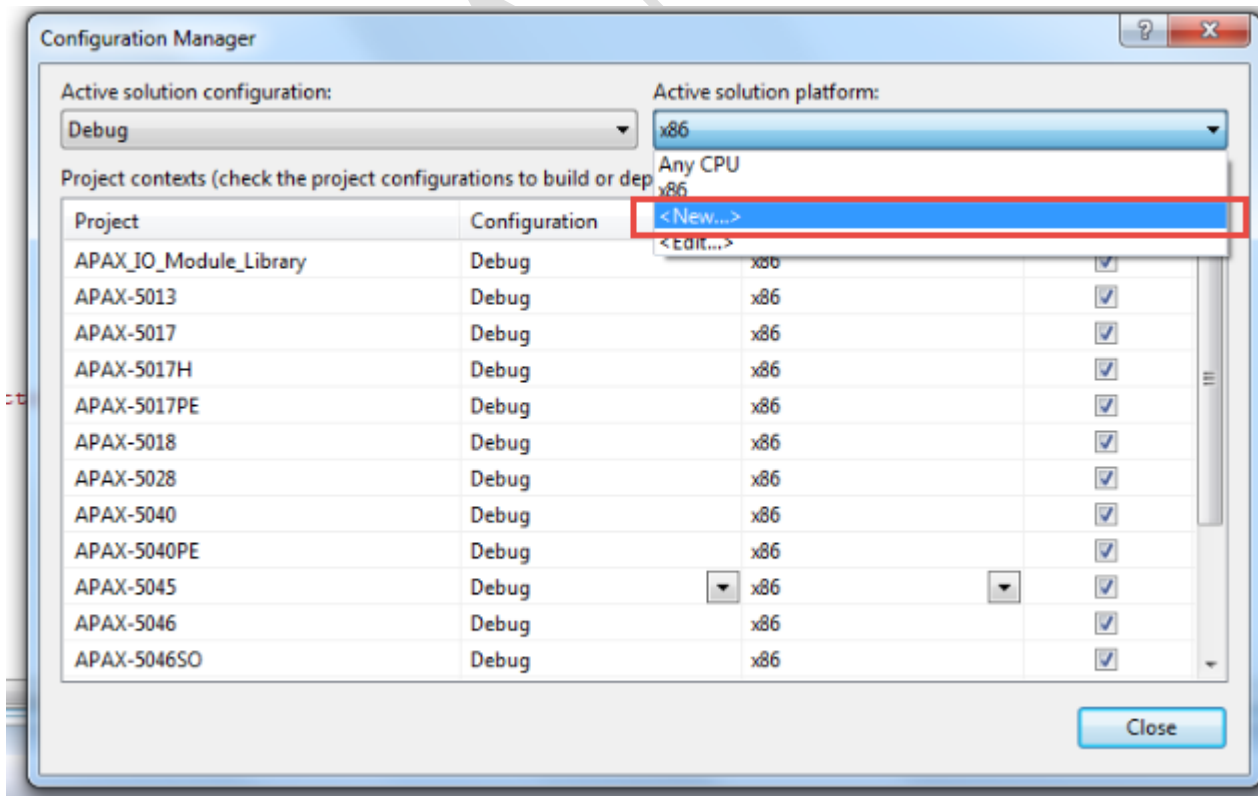
1. Choose **Configuration Manager** to make compile environment become 32bit (x86).



2. Make All debug environment become x86.



If you don't have the x86 option. Please click <New...> to create it.



3. After you revise to x86, it will search all of 32-related system folder to find "ADSDIO.dll".