

## SOLIDWORKS ▾



## PROGRAMMING ▾

## LABS ▾ WEB ▾

## ADMINISTRATION ▾

Search



## Welcome

- [Getting Started](#)
- [Document](#)
- [Application](#)
- [Data Storage](#)
- [Geometry](#)
- [Adornment](#)
- [Import/Export](#)
- [Options](#)
- [Deployment](#)
- [Motion Study](#)
- ▾ [Troubleshooting](#)

▾ [Add-Ins](#)

[Troubleshooting: Issues And Resolutions](#)

### Project templates are not shown in Visual Studio after the installation of SDK

Add-ins which are using shared libraries cannot work together

▸ [Macros](#)

[Troubleshooting: Issues And Resolutions](#)

# Fix missing Visual Studio SOLIDWORKS API SDK project templates

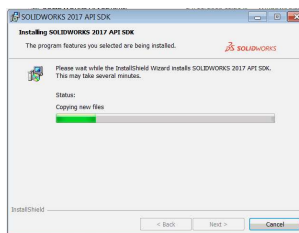
Share


[Edit Article](#)
[See more issues and resolutions](#)

## Notifications

All articles and code at CodeStack are now open-source and hosted on [GitHub](#). If you want to contribute by modifying existing articles and code snippets, submitting new ones, reporting errors and bugs etc. please follow this [blog post](#) for more information. We appreciate any contribution.

## Symptoms



### [SOLIDWORKS API SDK installation process](#)

After installation of SOLIDWORKS API SDK no project templates are shown in Visual Studio New Project dialog for C# and VB.NET

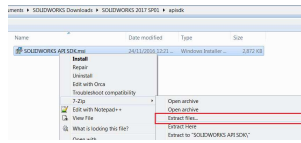
## Cause

System error happened while installing the templates and registering the Wizard assembly in the Global Assembly Cache (GAC). This might be caused by permission issues.

## Resolution

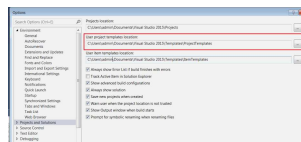
- Locate *SOLIDWORKS API SDK.msi* file. Usually found in *apisdk* folder of installation DVD or SOLIDWORKS download package.

- The MSI package is a zip storage. Extract (unzip) the file using any Archive tools which support zip format (such as WinRar, WinZip or 7-Zip)



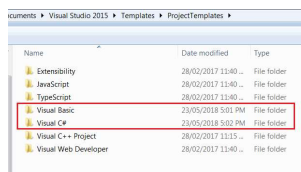
### [Unzipping .msi package](#)

- Find *swvbaddin.zip* for VB.NET template and *swcsharpaddin.zip* for C# template in the files of the unzipped folder.
- Open Visual Studio and select *Tools->Options...* menu command. Navigate to *Projects and Solutions* group.



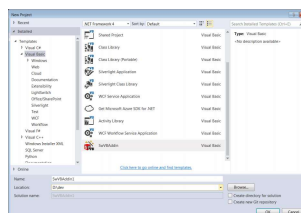
### [Projects and Solutions options in Visual Studio](#)

- Copy the path of the *User project templates location* field value and open this folder in the explorer
- Copy the *swvbaddin.zip* file into the *Visual Basic* folder and *swcsharpaddin.zip* into the *Visual C#* folder. It is not needed to unzip these files.



### [Project templates folder](#)

- Start Visual Studio and create new project. Now C# and VB.NET project templates are available for selection.



### [VB.NET project template for SOLIDWORKS add-in](#)

Microsoft Visual Studio

Error: this template attempted to load component assembly 'SolidWorksToolsWizard, Version=1.0.0.0, Culture=Neutral, PublicKeyToken=ae618dc84513cc5'. For more information on this problem and how to enable this template, please see documentation on Customizing Project Templates.

OK

- Navigate to the folder unzipped from the *SOLIDWORKS API SDK.msi* file and find the *SolidWorksToolsWizard.dll*

nsiswcrnrcs.cxx	23/11/2016 3:55 PM	C556 File	21 KB
nsiswcrnrcs.c	23/11/2016 3:55 PM	C556 File	21 KB
nsiswcrnrcs.cw7	23/11/2016 3:55 PM	C557 File	21 KB
nsiswcrnrcs.cw8	23/11/2016 3:55 PM	C558 File	21 KB
nsiswcrnrcs.cw9	23/11/2016 3:55 PM	C559 File	21 KB
nsiswcrnrcstoolwizard.dll	23/11/2016 3:57 PM	Application extens...	27 KB
ntdistcpp	23/11/2016 3:55 PM	+ C++ Source	1 KB
ntdistcpp1	23/11/2016 3:55 PM	CPPI File	1 KB
ntdistcpp2	23/11/2016 3:55 PM	CPPI File	1 KB
ntdistcpp3	23/11/2016 3:55 PM	CPPI File	1 KB
ntdistcpp4	23/11/2016 3:55 PM	CPPI File	1 KB

- This dll needs to be registered in the Global Assembly Cache (GAC). Navigate to %windir%\assembly% folder in explorer and drag-n-drop the dll file into the folder

**Libraries**

Open a library to view your files and arrange them by folder, date, and other properties.

Assembly Name	Version	Pub. Key Token	Process
SecurityAud.Policies.Snaps	6.1.0.0	11f93856d344e5	MSL
SecurityAud.Policies.Snaps.resources	6.1.0.0	en 11f93856d344e5	MSL
Sentinel.Vuln.Scient	3.0.0.0	1095f7f11a593a	MSL
MSL.esources	3.0.0.0	b77c5c5d393a089	MSL
MSL.esource	3.0.0.0	1095f7f11a593a	MSL
SecurityAud.Policies.Snaps	6.1.0.0	11f93856d344e5	MSL
SecurityAud.Policies.Snaps.resources	6.1.0.0	en 11f93856d344e5	MSL
SecurityAud.Policies.Snaps	6.1.0.0	11f93856d344e5	MSL
SecurityAud.Policies.Snaps.resources	6.1.0.0	en 11f93856d344e5	MSL

Alternatively follow the [How to: Install an Assembly into the Global Assembly Cache](#) article on the guide of registering assembly in GAC.