



How to Link the UniKey Library to Your Applications

SecuTech Solution Inc.

February 2006



Background

Programming with C/C++, you might need to link the UniKey lib to your application. Unikey provides two general methods that you can use in calling the UniKey APIs, i.e. static link and dynamic link.

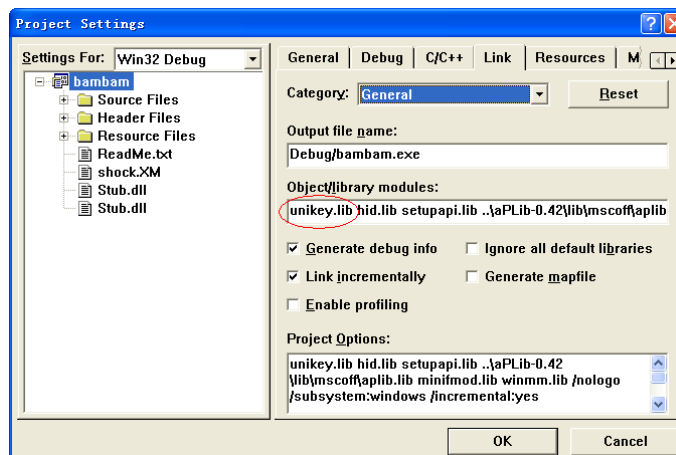
Most of interpreted (semi-compiled) programming languages use dynamic link.

Dynamic Link

Dynamic Link is a common way that links the dll files (dynamic linked library) with your applications. Most interpreted programming languages (Visual Basic, FoxPro, Access, Labview...) use dynamic link.

You can find the necessary files needed in UniKey SDK, located in [\\Lib\Shared](#). There are 3 files in the folder.

- UniKey.dll the dynamic linked library
- UniKey.lib the symbolic library for UniKey.dll
- UniKey.h the function declaration file



You can modify the file UniKey.h to meet the requirements of any specific programming language.

There are two ways to link the UniKey dll file to your application.

The first one is to link the corresponding lib file to your project, and declare the



external API prototype in your source code. The API prototype declaration is in UniKey.h. In order to make UniKey work, you have to put the UniKey.dll along with your application or in the system path.

The second way is to load the UniKey library in your source code. It is valid for C++, VB and FoxPro. The steps are:

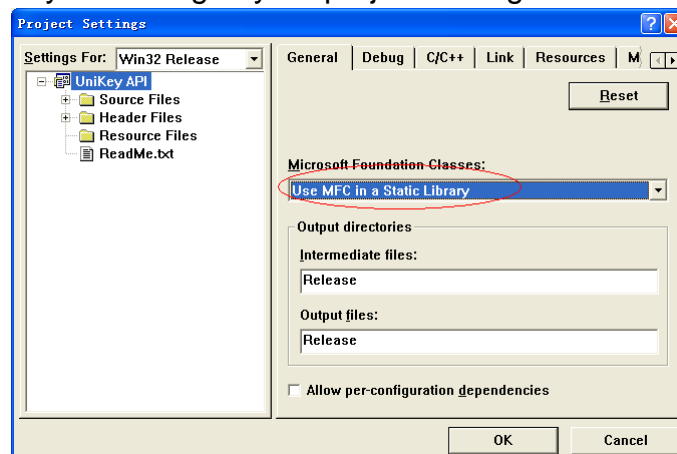
- Load UniKey Library, such as `loadLibrary("Unikey.dll")` in VC++
- Declare the UniKey API, such as `GetProcAddress(hMod,"UniKey")` in VC++

You can refer to the samples in SDK.

Static Link

You can also link the UniKey library to your application and forget the UniKey.dll that you have to put along with applications.

The UniKey static library is built especially for VC++, and you need to link the corresponding library according to your project settings.





Cookbook



Before linking the UniKey static library, please check your project setting. If your project is using MFC in the static library, you should link the UniKey.lib in SDK [\\Lib\Static\Static](#), otherwise you should link the UniKey.lib in [\\Lib\Static\Shared](#).

Meanwhile, in some cases, you need also link HID.lib and Setupapi.lib to your project.

You can find the function declaration in the same path with UniKey.lib.

About SecuTech Solution Inc.

SecuTech Solution Inc, based in Canada, specializing in software license management business systems, is a target market oriented organization with strong technical support and is internationally focused in providing cutting-edge technological solutions in the fields of the protection of intellectual property.

SecuTech Solution Inc.

Sales@eSecuTech.com

www.eSecuTech.com