

HowTo

Create a Encryption-Plugin for Cryptool 2.0 using Visual Studio 2008

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1 Create a new project in VS2008 for your plugin

Open Visual Studio 2008 and create a new project:

Select „.NET-Framework 3.5,, as the target framework (the Visual Studio Express edition don't provide this selection because it automatically chooses the actual target framework), and „Class Library,, as default template to create a DLL file. Give the project a unique and significant name (here: „Caesar,,), and choose a location where to save (the Express edition will ask later for a save location when you close your project or your environment). Finally confirm by pressing the „OK,, button.

2 Select the interface, your plugin wants to serve

3 Create the classes for the algorithm and for its settings

3.1 Create the class for the algorithm (MD5)

3.2 Create the class for the settings (MD5Settings)

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7 Define the code of the class MD5 to fit the interface

8 Complete the actual code for the class MD5

9 Sign the created plugin

10 Import the plugin to Cryptool and test it

11 Source code and source template