# Microsoft Dynamics CRM 2011 SDK

## Plug-in Registration Tool Readme

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## Overview

The Plug-in Registration sample tool (version 5.0) provides a graphical user interface to register Microsoft Dynamics CRM plug-ins and custom workflow activities. The tool supports the following feature set on the indicated Microsoft Dynamics CRM deployments.

Microsoft Dynamics CRM 2011

• Register plug-ins and custom workflow activities

Microsoft Dynamics CRM Online

• Register plug-ins

In addition to these features, the tool provides an easy and interactive method to configure [Windows Azure AppFabric](http://www.microsoft.com/windowsazure/appfabric/) ACS for integration with Microsoft Dynamics CRM. Afterwards, you can register a standard plug-in provided with Microsoft Dynamics CRM to post the current platform operation to the AppFabric Service Bus.

The source code to the program is provided to demonstrate how to use the registration classes provided in the Microsoft Dynamics CRM 2011 SDK.

## Contents of the Folders

The PluginRegistration folder contains the complete source code and Microsoft Visual Studio 2010 project files for the sample program. The images folder contains bitmap files for the icons used in the program.

## Installation Instructions

1. Download and install [Windows Identity Foundation](http://msdn.microsoft.com/en-us/security/aa570351.aspx).
2. In Windows Explorer, double-click the PluginRegistrationTool.sln file to open the solution in Visual Studio 2010.
3. Compile the project by clicking **Build Solution** in the **Build** menu.

## Add the Tool to Visual Studio

You can register the Plug-in Registration Tool as an external tool for Visual Studio 2010.

1. Open Visual Studio 2010.
2. Click Tools, click External Tools, and then click Add. If you have not yet added any tools, click [New Tool 1].
3. In the Title field, type CRM Plug-in Registration Tool.
4. In the Command field, click the ellipsis (…) button and navigate to the PluginRegistration.exe file that you built in the previous task. Click Open.
5. Click OK to close the External Tools dialog box.

## Important Notes

* The sample files are not intended to be used in a production environment without prior testing. You should deploy an application that makes use of this sample code to a test environment and examine it for interaction or interference with other parts of the system.
* Before you deploy applications that make use of this sample code to a production environment, make sure that you consider the existing customizations you may have implemented in Microsoft Dynamics CRM 2011.
* There is no longer any support in the tool for command line parameters.
* The tool supports registering plug-ins or custom workflow activities for custom entities.
* A plug-in assembly named Microsoft.Crm.Extensibility.V3CalloutProxyPlugin.dll may be shown in the list view. However, v3.0 callouts are not supported in Microsoft Dynamics CRM 2011 or Microsoft Dynamics CRM Online.
* This release of the tool supports registering plug-ins compiled with the Microsoft Dynamics CRM 2011 SDK assemblies. To register plug-ins compiled using the 4.0 SDK assemblies, use the Plug-in Registration Tool included in the 4.0 SDK.

## Known Problems

• The Plug-in Registration tool requires read access to the Microsoft.Crm.Sdk.Proxy.dll and Microsoft.Xrm.Sdk.dll assemblies in order to run. These assemblies must exist either in the same folder as the tool’s executable or in the GAC (Global Assembly Cache). These assemblies are installed by default in the GAC of a Microsoft Dynamics CRM server and are also provided in the Bin folder of the SDK download. If the assembly is not found by the tool, you will receive the error “Unable to load the specified Plug-in Assembly” when you try to register an assembly.

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