# Microsoft Dynamics CRM SDK

## Code Generation Tool Readme

## Overview

The code generation tool is used to create strongly typed classes for each entity in your installation of Microsoft Dynamics CRM. For more information about using these types, see the Microsoft Dynamics CRM SDK CHM (help file).

Please read the Microsoft\_Dynamics\_CRM\_2011\_SDK\_Readme.htm file for a list of known issues for this tool.

## Usage Instructions

Run this utility from the SDK\Bin folder. If you run the utility from another location, the Microsoft.Xrm.Sdk.dll assembly, located in the SDK\Bin folder, must exist in the same folder as the utility program. Run the utility from a command prompt as shown here:

CrmSvcUtil.exe /url:http://<servername>/<organizationname>/XRMServices/2011/Organization.svc /out:<outputfilename>.cs /username:<username> /password:<password> /domain:<domainname> /namespace:<outputnamespace>

The utility will use default credentials for the server specified by the URL if they have been stored on your computer.

## Examples

The following are sample uses of the tool from the command line for each deployment type. Note that you

### Claims Authentication – Active Directory

CrmSvcUtil.exe /url:https://smclaimstwo:555/MyOrg/xrmServices/2011/Organization.svc /out:GeneratedCode.cs /domain:smclaimstwodom /username:administrator /password:p@ssword!

### CRM Online

CrmSvcUtil.exe /disco:http://dev.crm.crmlivetoday.com/MSCRMServices/2007/Passport/CrmDiscoveryService.asmx /partner:crm.crmlivetoday.com /env:PROD /org:myorg /out:Code.cs /url:http://myorg.crm.crmlivetoday.com/XRMServices/2011/Organization.svc "/username:crmuser@hotmail.com" "/password: p@ssword!" /domain:bogus

### Claims Authentication - IFD

CrmSvcUtil.exe /url:https://myorg.crm.smclaimsone.com:555/XRMServices/2011/Organization.svc /out:GeneratedCode.cs /org:myorg /domain:smclaimsonedom /username:administrator /password: p@ssword!

## Command-Line Parameters

The following table lists the possible parameters and a brief description of their use.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | **Shortc**ut | Description | Required |
| deviceid | di | Device ID used when connecting to the online server for authentication. | False |
| devicepassword | dp | Device password used when connecting to the online server for authentication. | False |
| domain | d | Domain to authenticate against when connecting to the server. Even though pn\_crm\_online does not use this, you must supply a value. | False |
| help | ? | Show usage information. | False |
| language | l | The language to generate the code in. This can be either 'CS' or 'VB'. Default value is 'CS'. | False |
| namespace | n | The namespace for the generated code. Default namespace is the global namespace. | False |
| out | o | The filename for the generated code. | True |
| password | p | Password to use when connecting to the server for authentication. | False |
| servicecontextname |  | The name for the generated service context. If supplied, the name will be used for the service context. If no name is supplied, no service context will be generated. | False |
| url |  | The URL for the Organization service. | True |
| username | u | The username to use when connecting to the server for authentication. | False |

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