# Microsoft Dynamics CRM SDK

Metadata Diagram Generator Readme

This folder contains sample code that demonstrates how to programmatically generate a Microsoft Visio diagram of the metadata using the Metadata service. This sample contains a console application that creates a Visio diagram.

# Installation

## Prerequisites

1. You must have access to either Microsoft Dynamics CRM Online or Microsoft Dynamics CRM 2015. This application is set up like most other SDK samples and will prompt you for server and logon information. For more information about the prompts, see the SDK topic Quick Start: A Simple Program.
2. You must have Visual Studio 2012 or 2013. Other versions will work but for best results Visual Studio 2013 Ultimate, Premium or Professional are recommended.
3. You must have Microsoft Office Visio 2010 or later.

## Installation Procedure

1. **Open** the provided project file, **MetadataDiagram.csproj**.
2. In Microsoft Visual Studio, build the solution by clicking **Build**, and then **Build** **Solution**.
3. If you run the program now, all entities will be drawn. Drawing all entities might take a long time to complete. To request specific entities to be drawn, right click on the **MetadataDiagramConsole** in the Solution Explorer and select **Properties**. Click on the **Debug** section of the properties dialog. Enter: “opportunity account” into the **Command Line Arguments** textbox to have the application draw only the opportunity and account entities.
4. To run the program, click Debug, and then click Start.

The executable is in the bin\Debug folder of the project. You can execute the program from a Command window. Specify any number of Microsoft CRM entity names (all in lowercase) as arguments. If no arguments are present, all entities are drawn.

The Visio file generated by this application will be in the same folder from which the executable was launched.

# Copyright

This document is provided "as-is". Information and views expressed in this document, including URL and other Internet Web site references, may change without notice. You bear the risk of using it.

Some examples depicted herein are provided for illustration only and are fictitious. No real association or connection is intended or should be inferred.

This document does not provide you with any legal rights to any intellectual property in any Microsoft product. You may copy and use this document for your internal, reference purposes.

© 2014 Microsoft Corporation. All rights reserved.

Microsoft, Active Directory, ActiveX, BizTalk, Excel, Great Plains, Internet Explorer, JScript, Microsoft Dynamics, MSN, Outlook, PivotTable, PivotChart, Visual Basic, Visual Studio, Windows, Windows Live, Windows Server, and Windows Vista are trademarks of the Microsoft group of companies.

All other trademarks are property of their respective owners.