# Microsoft Dynamics CRM SDK

RESTJQueryContactEditor Readme

This folder contains sample code that demonstrates how to perform the most basic data operations using the Dynamics CRM OData endpoint and JScript. The sample has an interactive user interface that allows the user to search for Contacts by name. User can create, update and delete Contacts.

The sample uses the jQuery library for DOM access and manipulation. The sample also uses jQuery’s $.ajax object to make service calls to the OData endpoint. jQuery is a library that helps expedite client-side scripting using JScript and comes standard with a Visual Studio 2010 Web Application. For more information see [www.jquery.com](http://www.jquery.com/).

# Instructions

To view the source code, double-click on the **“RESTJQueryContactEditor.sln”** file in the sample root directory to open in Microsoft Visual Studio 2010.

No compilation is needed to run this example because all the files are HTML and JScript. There are three (4) main files:

1. **RESTJQueryContactEditor.htm** – An HTML file that references all the needed JScript files and displays output to the user.
2. **jquery1.4.1.min.js -** A popular JScript library that includes capabilities to perform asynchronous data operations using the $.ajax object. jQuery1.4.1.js comes standard in a Visual Studio 2010 Web Application.
3. **json2.**js - a public domain library created by Douglas Crockford and distributed from <http://www.JSON.org/json2.js>. This file has been minified and all comments are removed. See the original file to view information about the JSON.stringify and JSON.parse methods this library provides.
4. **RESTJQueryContactEditor.js –** A generic library that can perform Create, Retrieve, Update and Delete operations using jquery1.4.1.min.js. This file was created for this example and includes IntelliSense for Visual Studio.

**NOTE:** In the Visual Studio solution, you’ll see a file “jquery1.4.1vsdoc.js” This file is only needed for Visual Studio IntelliSense and does not need be uploaded as a Web Resource.

For each of the files listed above you must create a Web Resource. Be sure to “Save” and “Publish” all Web Resources. Name the Web Resources as follows:

1. **/RESTJQueryContactEditor.htm** – Refers to the html file above and is the web resource used for running the sample.
2. **/Scripts/jquery1.4.1.min.js** – Refers to the minimized jQuery library.
3. **/Scripts/RESTJQueryContactEditor.js** – Refers to the custom ODataJQuery library.
4. **/Scripts/json2**.js – Refers to the json2 library

**NOTE:** The names of the web resources start with “/” to simulate the same structure the files are organized in the Visual Studio solution. That way, you don’t have to change any of the paths on your script references in your html file before uploading them as Web Resources.

**Save** and **Publish** all **Web Resources**.

Open the **“/RESTJQueryContactEditor.htm”** Web Resource and click **Preview.**

## Expected Results

You should see a window open titled “Search for Contacts By Name” including a search textbox and buttons. Click on Search button with no search text to retrieve the first 50 Contacts. Provide search text and click Search button to find Contacts where Full Name contains your search text. Click New to create a new row. The Contact will not be persisted to Dynamics CRM until Save is clicked on a new row. Each Contact in the table has a Save and Delete button. Save will execute a Create or Update to the Contact accordingly. Delete will delete the row and try to delete the Contact from CRM if it exists.

## Troubleshooting

## Run-time errors

If you are experiencing errors when running the samples, check the following.

* You have Saved and Published all Customizations before previewing the HTML Web Resource.
* You’ve named all three web resources appropriately.

# Important Notes

The sample files are not intended to be used in a production environment. You should deploy this sample to a test environment and examine it for interaction or interference with other parts of the system.

Before you deploy this sample to a production environment, make sure that you consider the existing customizations you may have implemented in Microsoft CRM 2011.

# Quick Setup

You can install the Managed Solution to quickly see how the sample works. The following steps install a Managed Solution containing the web resources needed to run the sample.

## Import Microsoft Dynamics CRM Managed Solution

1. Open Microsoft Dynamics CRM.
2. Navigate to **Settings -> Solutions**.
3. Click **“Import.”**
4. Click **“Browse.”**
5. In the File Upload window, navigate to the root of the sample and choose the **“RESTJQueryContactEditor\_1\_0\_0\_0\_managed.zip”** and click **Open.**
6. Click **Next**, **Next**, **OK** to finish.
7. Click **“Publish All Customizations.”**
8. Using the default solution, open the html Web Resource named “/RESTJQueryContactEditor.htm” and click **Preview**.

# 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.

© 2010 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.