Using Chrome Postman to query an ODATA Service

Objective: Learn how to format requests to retrieve data using a REST endpoint

Goal Description

Use Chrome Postman to query an ODATA service hosted by Odata.org

Step1 Adding Postman to Chrome

|  |  |
| --- | --- |
| 1 | Open chrome and click on the Apps button on the tool bar |
| 2 | Open the google Webstore and search for and install the Postman app |
| 3 | After installation use Chrome to navigate to your Dynamics web app and login. This will create an authentication cookie associated with the Chrome. |
| 4 | In the Apps tab of Chrome open the Postman app |
| 5 | Sign in with an existing google account or create a new one if you need to |

Step 2: Sending get requests to the service

|  |  |
| --- | --- |
| 1 | In a different tab/window navigate to Odata.org. Follow the getting started link    The information here will provide you with a quick start to creating clients that can format requests to Odata services. Have a quick read through the basic tutorial area |
| 2 | Back at the global navigation bar at the top of the page under the developers menu item, follow the link named reference services. This area provides various "test" services that comply with different versions of the ODATA protocol. We will be using version 4 |
| 3 | Click on the run in postman link |
| 4 | Postman should open. In the window on the left hand side you will see a series of requests that have been added for you. |
| 5 | The first request issues a get request to retrieve data from an entity called people. Look at the URL of the request and then click on the Send button. You should receive a response similar to the listing seen below. |
| 6 | If you click on the Headers tab you will see that the content-type has been set to application/json |
| 7 | Load the second saved request named Requesting Data/Requesting Single Entity by ID. Send the request and notice that we get the details of just one person. Using the documentation try to modify the existing request so that the only attribute we are asking for is the Emails. |
| 8 | Investigate some of the other requests in particular ones that include the Odata filters $select, $filter and $top. Feel free to make changes to these and view the resulting output. |
| 9 | Using postman to interact with the Dynamics 365 WebAPI endpoint takes a bit more setting up. The link below takes you through the process, but you will need an Azure subscription to set up OAuth on Azure.  http://jopx.blogspot.co.uk/2017/06/using-postman-and-dynamics-365-web-api.html |

.