

Oracle APEX and Open Data

by Novoshore Europe, J ON THE BEACH '19

Notes

The aim of this document is helping during the Workshop driven by Novoshore Europe and Oracle in the context of J on the Beach '19 conference. This document is not a formal guide, but a help source to avoid typos while adding a Web Source module to an Oracle APEX app to consume open source data from Malaga' council.

If you need any further information about this presentation, please don't hesitate to contact us at any of our contact channels. You can find more details at www.novoahore.com

1. Create an apex app

1. Generate the backend model using QuickSQL > Load Emp/Dept example
2. Use automatic app builder to create the entire app

2. Create a REST service, consuming data from Ayuntamiento de Malaga

1. Go to Shared Components > Data Sources > Web Source Modules
2. Create New Web Data Source module > From Scratch
3. Web Source Type, using the following parameters:
 - Simple HTTP
 - Name: Bikes
 - URL Endpoint: [http://datosabiertos.malaga.eu/api/3/action/datastore_search_sql?sql=SELECT * from "3bb304f9-9de3-4bac-943e-7acce7e8e8f9"](http://datosabiertos.malaga.eu/api/3/action/datastore_search_sql?sql=SELECT * from \)
4. Create and Test the service

3. Consume the web service in the app

1. Create an interactive report based on the Web service
2. Do a SQL Local post processing to set an appropriate column type for Num_Libres / Num_ocupados:
 - to_number(NUM_OCUPADOS) as used,
 - to_number(NUM_LIBRES) as unused,
3. Create a computed column to show Availability > Set it as Percent graph
DECODE((to_number(NUM_OCUPADOS) + to_number(NUM_LIBRES)),0,0,((to_number(NUM_OCUPADOS)/(to_number(NUM_OCUPADOS) + to_number(NUM_LIBRES)))*100)) as availability
4. Modify then navigation menu entry to add an icon: fa-bicycle
5. Add a Refresh chart button (Submit)
6. Create a Dynamic Action to refresh the chart region on button click