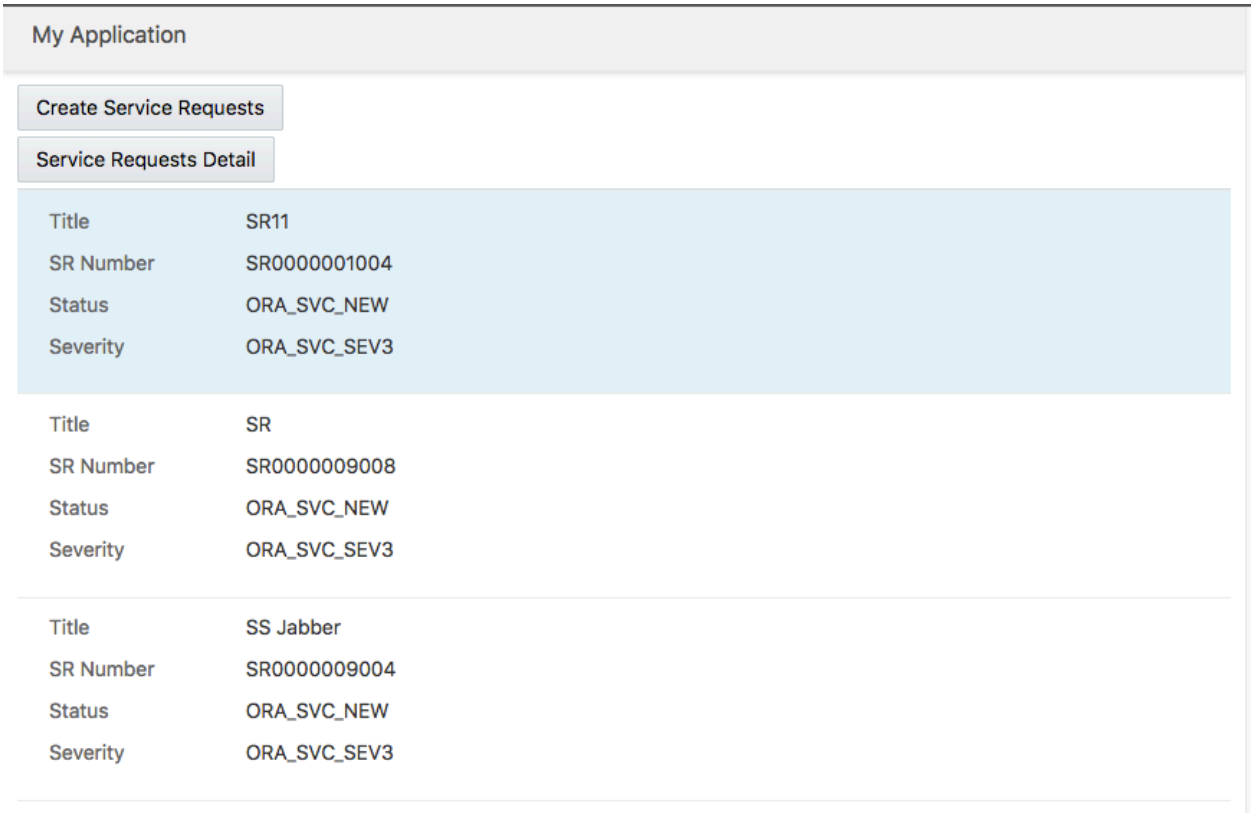
VBCS Training Lab- Budapest
Integrating an External REST API

Introduction

In this hands-on-lab, we will create a simple VBCS app that shows a list of Service Requests complete with Create and Details pages.



Hands on Lab Instructions

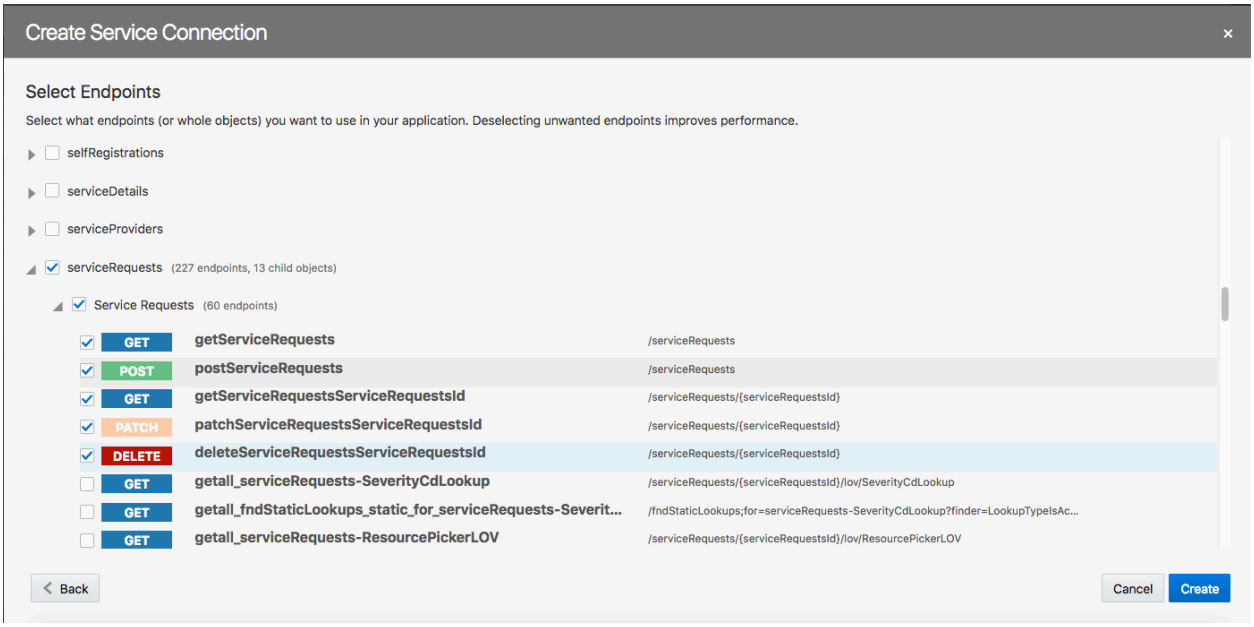
Creating a Web Application

1. Go to https://abcs1-cccn-test.builder.europe.oraclecloud.com/
2. Login in
3. Click New button to create a new application
4. Name the application SGS Demo App *YourName*
5. Click Finish

Registering the Opportunities REST Connection

Before we can start pulling in Data from a REST connection, we have to register it in Visual Builder. Registering the REST tells Visual Builder the shape of the payloads, the required headers and supported query parameters, and the security method used to access the REST APIs. When your VBCS instance is properly configured for Single Sign-On (SSO) with your Customer Experience Cloud instance, all of the REST APIs show up in the Service Catalog.

6. In the left sidebar, click the Service Connections icon 
7. Click the  icon in the Services panel. Click Select from Catalog then Sales and Service.
8. Expand the serviceRequests node and select the GET/PATCH/POST/DELETE endpoints for Service Requests as shows below.

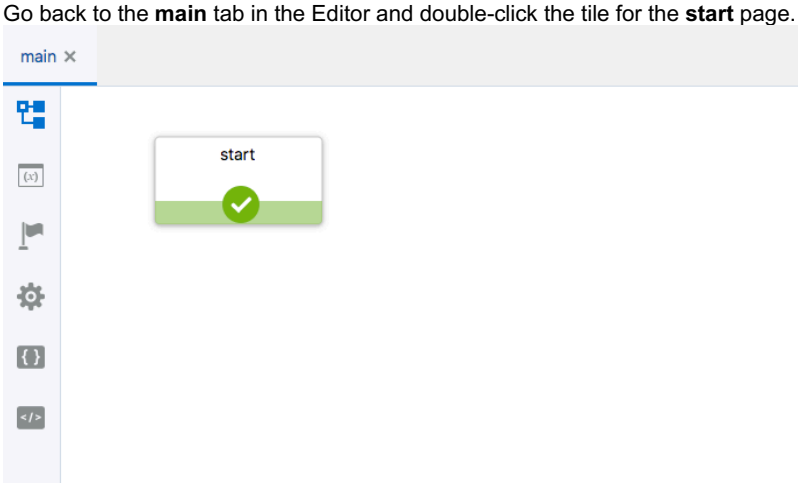


9. Click Finish.

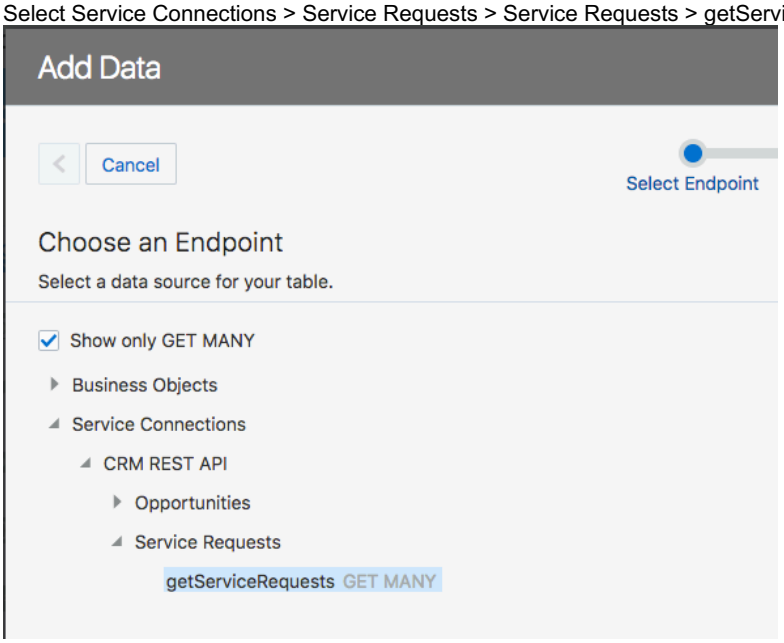
Creating the List of Service Requests

Now we will build out the UI. We will use Quickstarts, a feature that allows you to quickly bind tables and lists to data and create pages for editing and creating new rows over that data.

10. Go back to the **main** tab in the Editor and double-click the tile for the **start** page.



11. Drop a List component in the page. In the Property inspector, click Add Data.
12. Select Service Connections > Service Requests > Service Requests > getServiceRequests. Then click Next.



13. Select the following fields in this order:
    - Title
    - SrNumber
    - StatusCd
    - SeverityCd
14. Enter SrNumber as the Primary Key. Click Next.
15. The last page lets you specify URI parameters and filter criteria. Just accept the defaults and click Finish. The list is populated but likely has no records.
16. Select each display label to fix their display

Adding a Create Page

17. Click the Quickstarts tab  in the Property Inspector and click Add Create Page. Select Service Connections > Service Requests > Service Requests > postServiceRequests as the Create Endpoint and click Next.
18. Select the following properties:

- Title
- ProblemDescription

19. Click Finish
20. Click the Run button  to run the app in a new window. Click Create and create a new Service Request.

Adding a Details Page

21. Click the Quickstarts tab  in the Property Inspector and click Add Detail Page. Select Service Connections > Service Requests > Service Requests > getServiceRequestsServiceRequestsId and click Next.
22. Select the following fields in this order:
    - Title
    - Problem Description
    - SrNumber
    - StatusCd
    - SeverityCd
23. Click Finish.
24. Click the Run button  to run the app in a new window. Click Service Requests Detail to view the details.

Conclusion

Oracle Visual Builder Cloud Service is one of the fastest ways to develop and deploy an application to nearly any platform. Whether you are a seasoned application developer or have no technical background at all, VBCS gives you the ability to work with and share data more efficiently than ever before.

Be sure to visit the Oracle VBCS web site to get the latest details about this revolutionary application development tool and many other Oracle Cloud offerings.

https://cloud.oracle.com/visual-builder