SCM. Work Orders. Query using DFF.

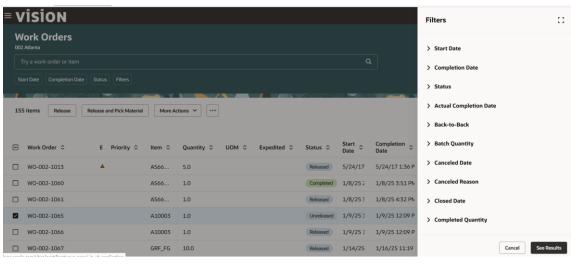
Comparison OIC-VB/Fusion-VB with this basic page:

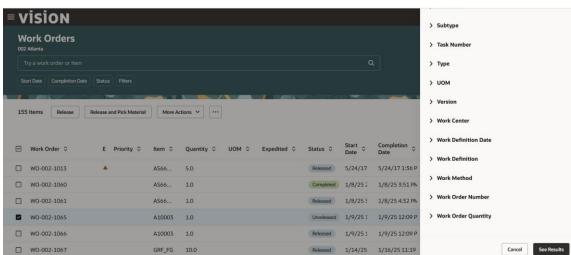
- 1) Extension App UI from VB embedded in Fusion (the free one).
- 2) OIC Visual Builder (pay per messages packs).

Introduction/Goal

Users cannot filter using Descriptive fields on the Work Orders Redwood page and neither in the Classic-ADF.

The current filters in the Redwood page are available.



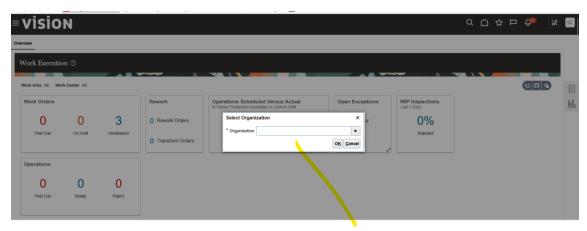


SCM Tip.

To select the current context Organization.

In "Manufacturing work orders" selection.





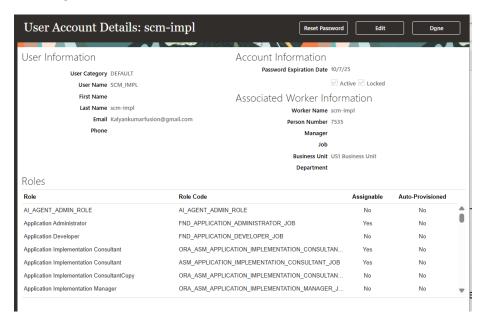
We Will build a page to get the user requirements using the 2 approaches: OIC-VB and Fusion VB-Extension.

Some of the following sections are common for both approaches.

Preparatory steps

1) Roles.

Your user would need the functional roles to access the data of Work Orders (SCM) and the following roles to work with Visual Builder in Fusion.



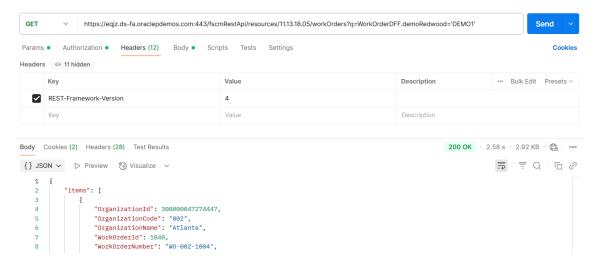
2) Investigate REST API's needed.

 $\verb|https://www.linkedin.com/pulse/implementing-oracle-fusion-manufacturing-using-rest-apis-dendukuri-llhwf/|$

```
\verb|https://docs.oracle.com/en/cloud/saas/supply-chain-and-manufacturing/24b/fasrp/Roles_and_Privileges.html|
```

We base our development on a REST API feature that some developers do not know, which is the ability to filter using child nodes.

Example:



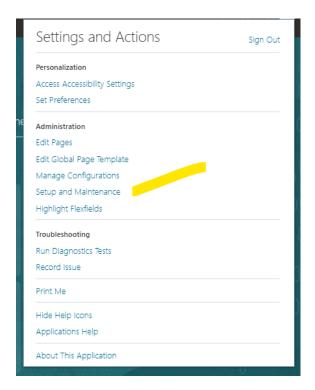
https://xxxx.ds-

 $fa. or a clep demos. com: 443/fscmRestApi/resources/11.13.18.05/workOrders? q=WorkOrderDFF. \\ demoRedwood='DEMO1'$

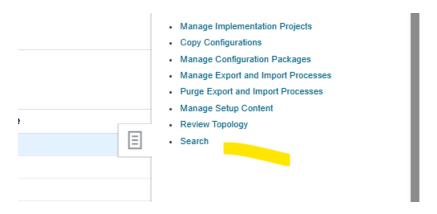
3) Create flexfield.

Search "Manage Work Execution Descriptive Flexfields" as shown.

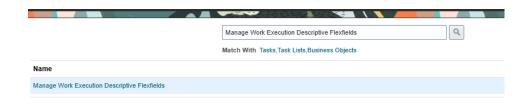
Navigate in SaaS, and select as shown.



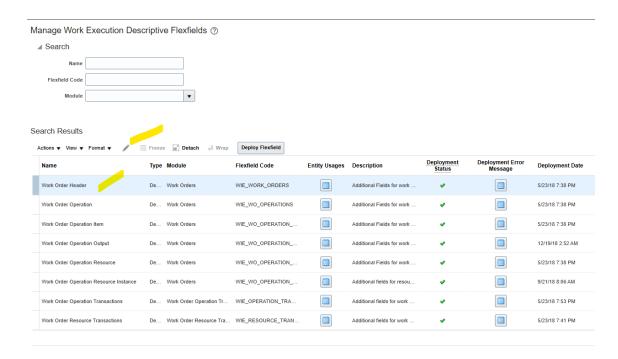
Then select "search".



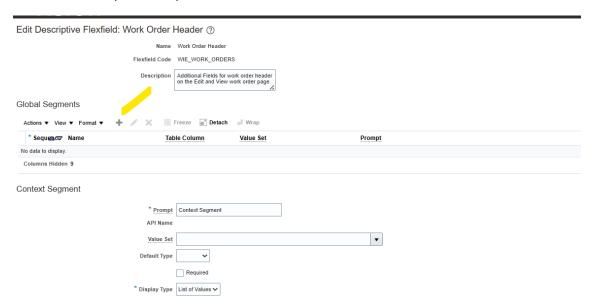
Type as shown.



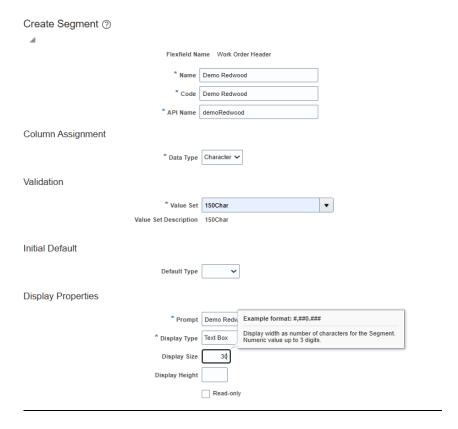
Press search button then edit as shown.



Access the first option, the press Icon shown.



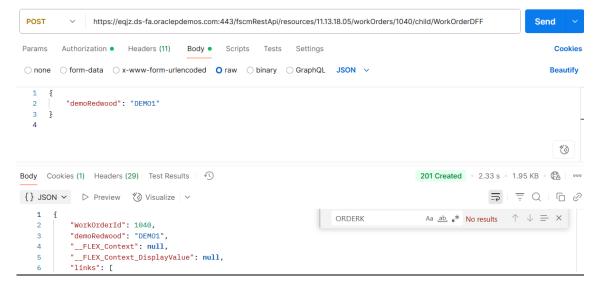
Setup flexfield as follows.



Save and close x 2 and, press Deploy button.

Prepare some data.

Above flexfield setup does not always shows immediately, if you get Flexfield shown update some data for some controlle work orders using the pages, if not, this is the trick using REST API to update some data for testing purposes.



You will need the work order id to do the update shown.

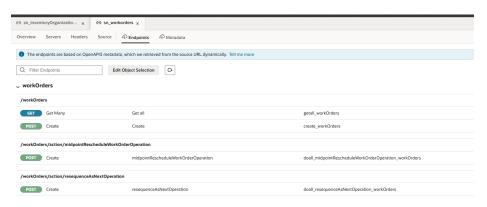
Steps detailed for extension VB.

Create the project (please, see blogs or videos to not repeat).

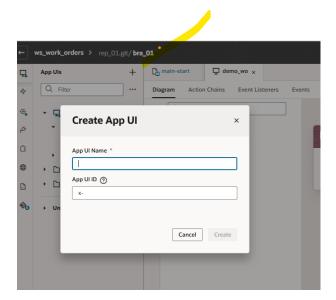
- 1) Connections.
- a) First connection for inventory organizations.



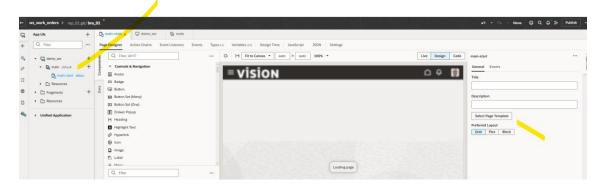
b) Second connection for work orders.



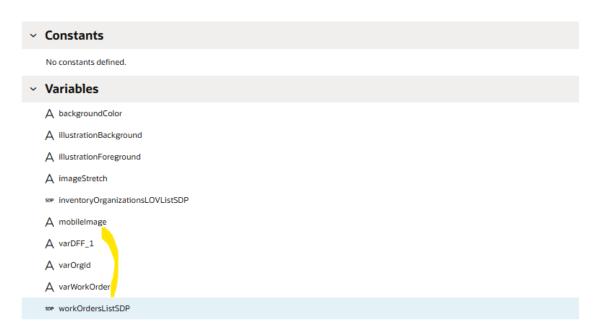
2) New App UI.



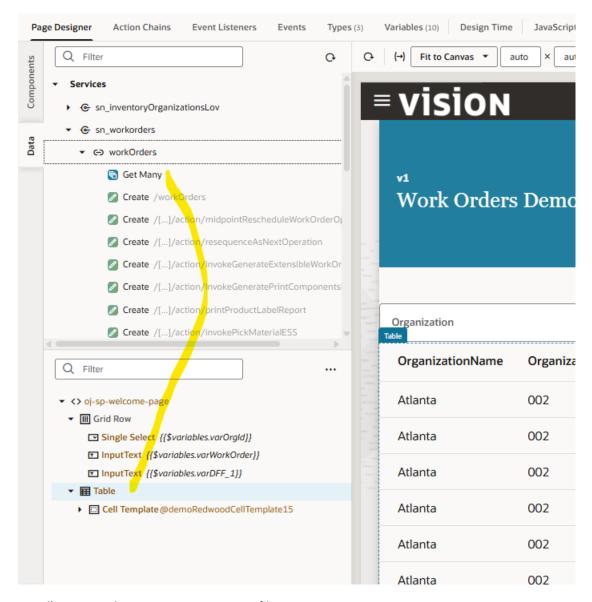
a) Select "Welcome template page".



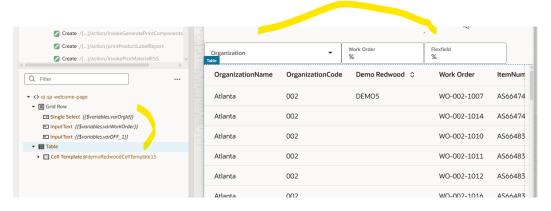
b) Create variables.



c) Add table for workOrders Get Many data.



d) Create these VB components to filter.



Detailed code.

```
div class="oj-flex">

div class="oj-flex-item oj-sm-12 oj-form-control-width-sm oj-md-5"

div class="oj-flex">

div class="oj-flex-item oj-sm-12 oj-form-control-width-sm oj-md-5"

div class="oj-flex">

div class="oj-flex">

div class="oj-flex">

div class="oj-flex">

div class="oj-flex-item oj-sm-12 oj-form-control-width-sm oj-md-5"

div class="oj-flex">

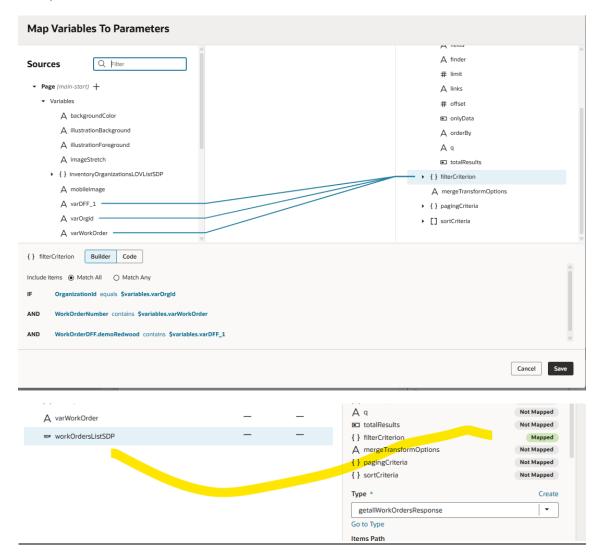
div class="oj-flex"

div class="oj-flex">

div class="oj-flex"

div
```

a) Add filters in SDP linked to table as shown.



b) For publishing your extension, you will need a Sandbox in SaaS and proper roles.

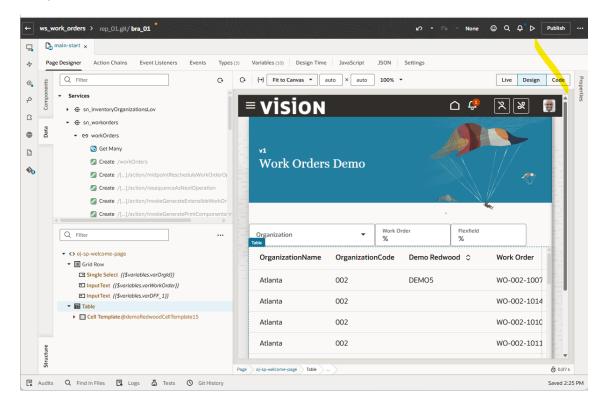
You have plenty of blogs that will tell you how to do this task.

Some chapters of our books also tell you how to accomplish the publisghing task.

 $\label{local_loc$

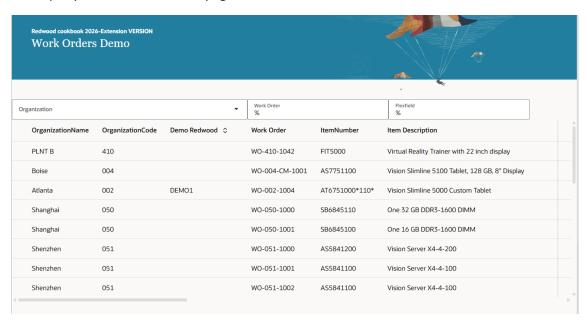
c) Testing.

Run preview.

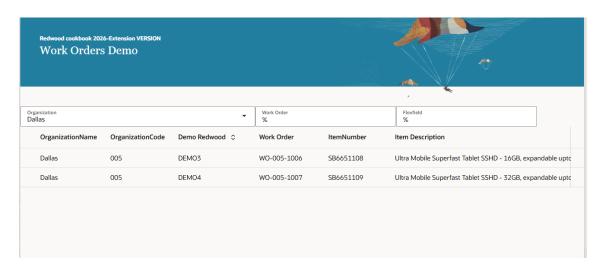


Then use filters to check if the page works as expected.

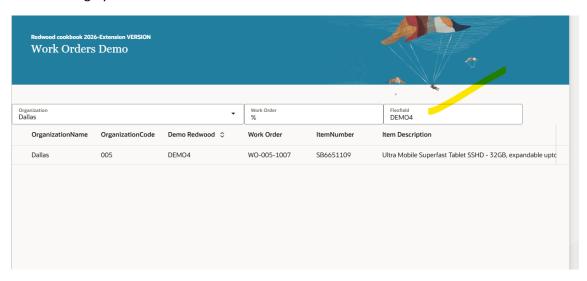
Blind query when we access the page.



After filtering by Inventory Organization.



After filtering by our Flexfield.

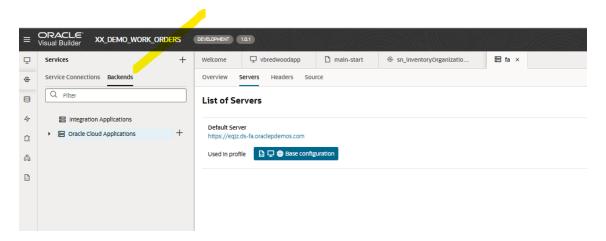


d) Na.

Steps OIC-Visual Builder version.

After creating the application.

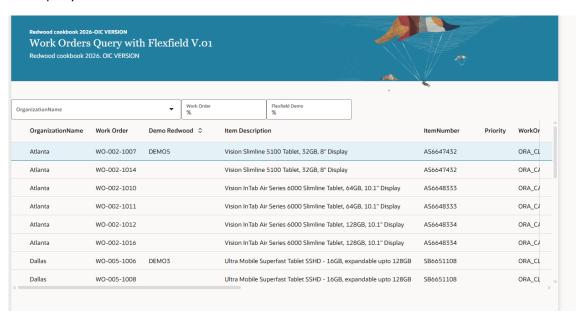
Take care of setting up the backend with an username and password with proper roles.



Technical steps to build will be basically the same: create connections, create variables, create components, apply filters in SDP are not different from used in building the extension.

Testing as above.

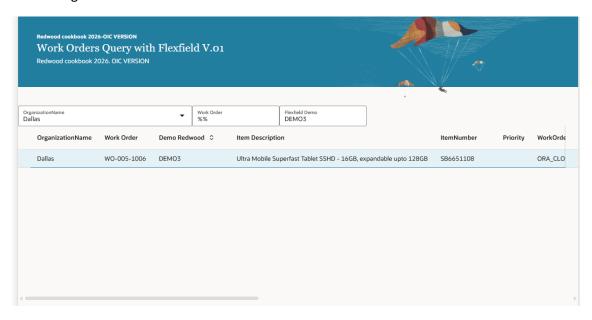
Blind query.



Filter with Inventory Organization.



Filter using flexfield.



Conclusion.

We have built an extension for building a page to query Work Orders using flexfield.

Then we repeated the exercise with the OIC Visual Builder instance.

Technical

Code in: https://github.com/juanjesusmontero/oracle_redwood_cookbook

Code example	Comments
XX_EXTENSION_WORKPACE_DEMO_WORK_ORDERS_v4.zip	App UI Extension.
	Used in this demo.
XX_OIC_VB_DEMO_WORK_ORDERS-1.0.1.zip	OIC-Visual builder application.
	Same as above but using OIC-VB.