HCM. Positions copy page fields to Descriptive Flexfields (05).

Introduction/Goal. (1)

From Oracle Customer Connect a consultant asked to get the following:

"In HCM positions page, We need to copy the department info to positionsDFF (flexfield) without user intervention".

After investigating how to get this done, this demo is the result.

Notice: we are not HCM experts, so we deal only with the technical side of the solution.

Also, in our instance we were not able to see DFF in the screen, we had to query our results using POSTMAN and REST API to know the solution works, after some testing and refreshing caches we were able to see the DFF.

Preparatory steps

1. Setup positionsDFF new field.

Note from Oracle Customer Connect to get this done:

Manage Descriptive Flexfields -> PER_POSITIONS_DFF
This will be available under position details.
Additional info contains EFF fields
Manage Workforce Structures Extensible Flexfields -> PER_POSITIONS_EIT_EFF

From Main menu go to setup and search as shown above.

Then filter "PER_POSITIONS_DFF".

Edit and add new field with this data.

Create Segment

Flexfield Name Position Attributes

* Name DEMO_REDWOOD

* Code DEMO_REDWOOD

* API Name demoRedwood

Flexfield Code PER_POSITIONS_DFF

Description

☑ Enabled

Column Assignment

* Data Type Character

* Table Column ATTRIBUTE12

Validation

* Value Set l150Char

Value Set Description 150Char

Range Type

☐ Required

Initial Default

Default Type

Derivation Value

Display Properties

* Prompt DEMO_REDWOOD

* Display Type Text Box

Display Size

Display Height

☐ Read-only

Definition Help Text

Instruction Help Text

Press button "Save and close" and then "Deploy".

2. Investigate REST API.

As whatever the reason in our instance we had some issues to see the descriptive flexfields in the page.

After some testing we got our DFF shown.

But, in case of issues, we could use the REST API to review if the solution works.

REST API for Oracle Fusion Cloud HCM

Person Notes Visibility Option

Person Process Results

Personal Intents

Personal Payment Methods

▸ **Plan Balances**

▾ **Positions**

    Get a position

    Get all positions

  ▸ **Positions Descriptive Flexfields**

  ▸ **Positions Extensible Flexfields**

  ▸ **Positions Legislative Extensible Flexfields**

  ▸ **Positions Valid Grade**

▸ **Product Settings in Opportunity Marketplace**

▸ **Prospect Candidates**

▸ **Public Workers**

▸ **Questionnaire Instructions**

Subcategories: Positions Descriptive Flexfields Positions Extensible Flexfields Positions Legislative Extensible Flexfields

Positions Valid Grade

Positions REST Endpoints

Sort by **Task** Path Method

Positions

The positions resource retrieves the details of all the positions as on a specified date.

Get a position

    Method: **GET**

    Path: `/hcmRestApi/resources/11.13.18.05/positions`/{positionsUniqID}

Get all positions

    Method: **GET**

    Path: `/hcmRestApi/resources/11.13.18.05/positions`

https://zzzz.ds-
fa.oraclepdemos.com/hcmRestApi/resources/11.13.18.05/positions?q=PositionCode='1153'&exp
and=all&onlyData=true

https://████████2.oraclecloud.com/fscmRestApi/resources/11.13.18.05/suppliers?q=SupplierNumber='57082'&expand=contacts&onl...   💾 Save

GET   ⌄   https://████████aclepdemos.com///hcmRestApi/resources/11.13.18.05/positions?q=PositionCode='1153'&expand=all&onlyData=true

Params ●   Authorization ●   Headers (14)   Body ●   Scripts   Tests   Settings

Query Params

	Key	Value	Description
☑	q	PositionCode='1153'	

Body   Cookies   Headers (27)   Test Results   **200 OK** · 685 ms · 7.9?

{} JSON ⌄   ▷ Preview   ⚙ Visualize ⌄

each   Aa ab ■* No results ↑

```
41            "PositionId": 300000224515801,
42            "EffectiveStartDate": "2025-05-18",
43            "EffectiveEndDate": "4712-12-31",
44            "atRisk": null,
45            "atRisk_Display": null,
46            "area": null,
47            "specialCode": null,
48            "demoRedwood": "DEMO-REDWOOD",
49            "__FLEX_Context": null,
50            "__FLEX_Context_DisplayValue": null
```

Steps.

1. Access from Main menu to "My Client Groups".

Then click on any position.

After clicking on "Update" button, notice we have the Department field.

2. Visual Builder access.

Select or create project (other chapters in each book show how to create projects).

Express mode is ok for this testing.
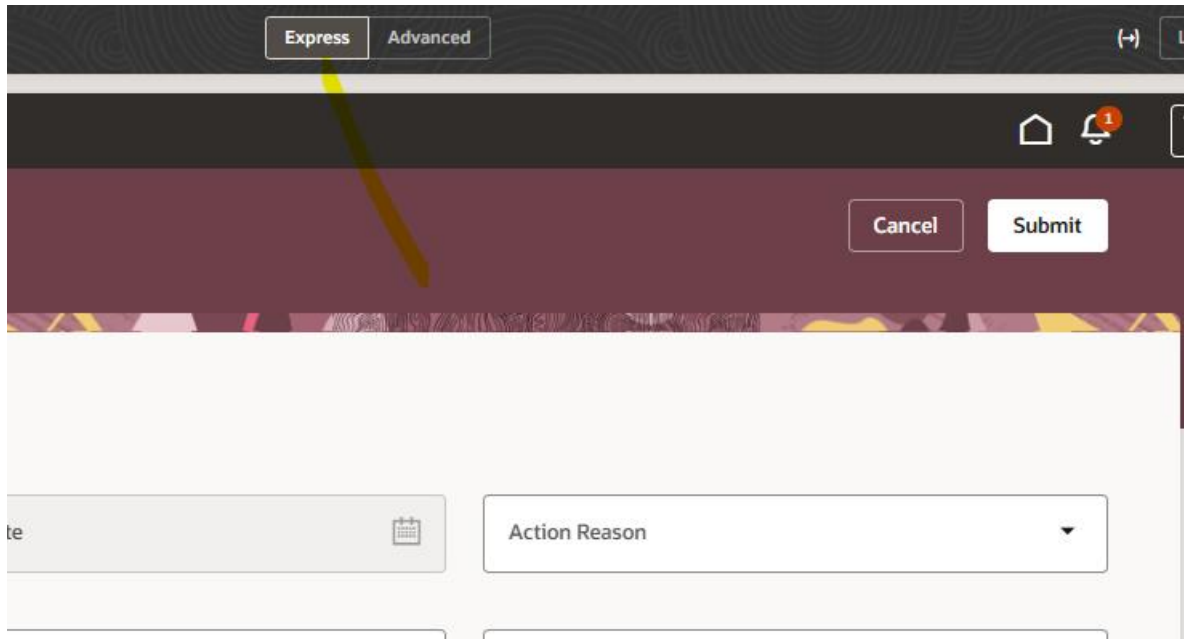
3. Setup clicking in button as shown.
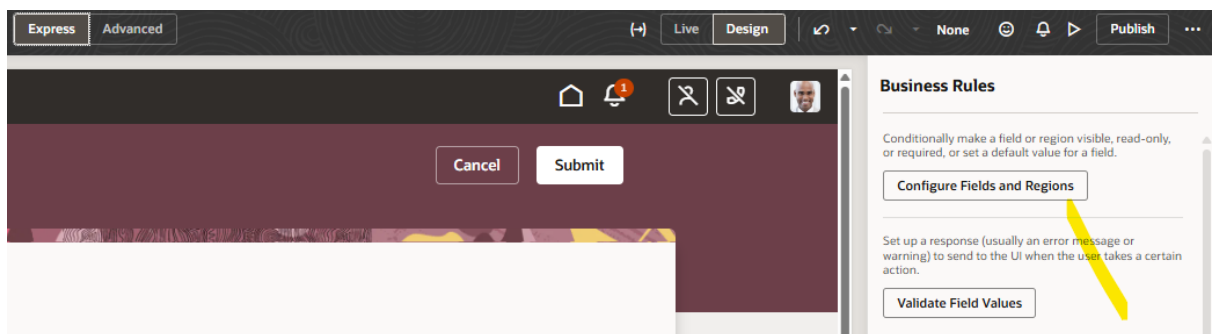
Then click to create new "Business Rule".

Create Business Rule

Rule Type
◉ Regular   ○ If/Else ⑦   ○ Switch ⑦

Label *

REDWOOD_COOKBOOK_2026

ID *

rEDWOODCOOKBOOK2026

Description

Cancel   Create

Now uncheck this element:

And search for the "positionsDFF" that we have setup above.

Scroll to the right.

REDWOOD_COOKBOOK_2026

Add description

Active ···

☐ Show only fields with overridden properties

	Required		Hidden		Read Only		Value
	✳ Required 🔒		👁 Visible 🔒				
nlyCustomField			—		⚔ Read Only 🔒		
	✳ Required 🔒		👁 Visible 🔒		—		—
	✳ Required 🔒		👁 Visible 🔒		—		—
	○ Optional 🔒		👁 Visible		✏ Editable 🔒		
ts ○ (1)							
	—		—		—		—
	—		—		—		—
)	—		—		—		—
	—		—		—		—
OD •	—		👁 Visible		—		DEMO-REDW...
	—		—		—		—

Edit value:

DEMO-REDW...

✏ Edit Value

↩ Remove Override

Use "Advanced expression".

Set Guided Journeys Task Codes at the page level

DEMO-REDW...
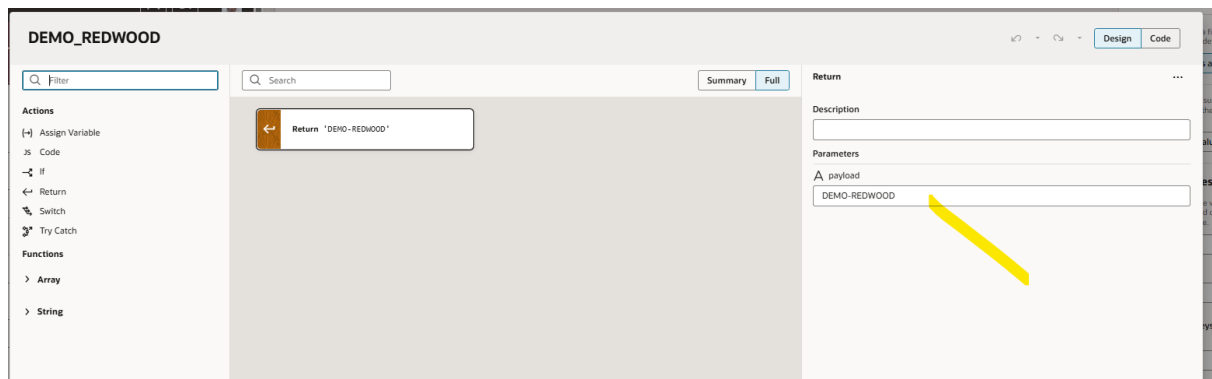
A DEMO_REDWOOD

○ Clear Field Value

◉ Set Field Value

Value (x)

DEMO-REDWOOD

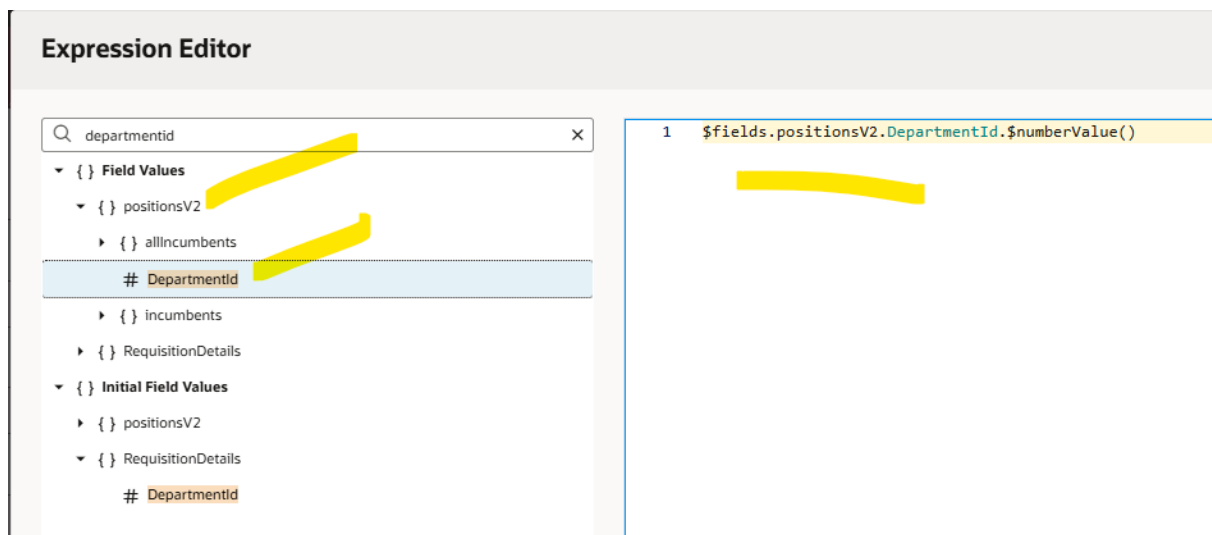Use Advanced Expression   Cancel   Done

Click on payload.

Search our field on the left and "Drag and drop" or double click on it.

How we know the exact field to select? Trial and error.

This is our code.

Important: we have to control if field have some content, if we do not this this check the page hangs uglily (trial and error to find this).

```
/* eslint-disable dot-notation */
define([], () => {
  'use strict';

  /**
   * Default value expression for positionsV2.positionsDFF.demoRedwood
   * @param {object} context
   * @return {string}
   */
  function getPositionsV2PositionsDFFDemoRedwood(context) {
    const { $componentContext, $fields, $modules, $user } = context;

    let a = $fields.positionsV2.DepartmentId.$numberValue() + '';

    if ( $fields.positionsV2.DepartmentId.$numberValue() > 0 ) {
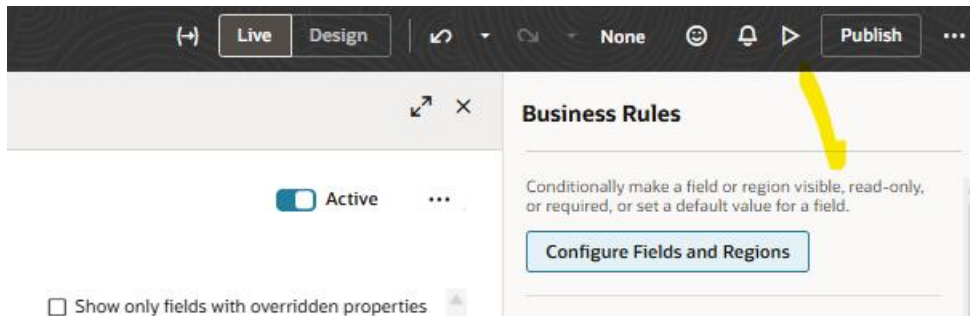```

```
      return a ;
    }
    else {
      return 'Not defined yet';
    }

  }

  return { getPositionsV2PositionsDFFDemoRedwood };

});
```

4. Testing using Preview.

When department is not yet selected.

When We select a "Department".

Notice the DFF with the id. of the department.

Feel free to improve and refine the approach and use in another pages.

5. Reviewing and optional Publishing.

6. Conclusion.

We are able to default some data from the page to DFF without intervention of the user. This could be used as a "database trigger" for defaulting.

More logic could be used using Conditions in the Business Rule used.

And more granular logic could be applied in the JavaScript used to default the data:

```
 9    */
10    function getPositionsV2PositionsDFFDemoRedwood(context) {
11      const { $componentContext, $fields, $modules, $user } = context;
12
13
14      let a = $fields.positionsV2.DepartmentId.$numberValue() + '';
15
16
17      if ( $fields.positionsV2.DepartmentId.$numberValue() > 0 ) {
18        return a ;
19      }
20      else {
21        return 'Not defined yet';
22      }
23
24    }
25
26    return { getPositionsV2PositionsDFFDemoRedwood };
27
28  });
29
```

Note.

To export our extension, we have moved to "Advanced Mode" as "Express Mode" did not show for us the Export option.

Technical

Code example	Comments
hcm_positions_copy_field_to_dff_v1.zip	Visual Builder application extension used in demo.