

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”.

Manage Descriptive Flexfields ?

Search

Name

Flexfield Code

Module

Search Results

Actions View Format Freeze Detach Wrap Deploy Flexfield									
Name	Type	Module	Flexfield Code	Entity Usages	Description	Deployment Status	Deployment Error Message	Deployment Date	
Position Attributes	Descriptive Flexfield	Work Structures Positions	PER_POSITIO...		The Position Attributes	✓		2/17/22 11:37 AM	

Edit and add new field with this data.

Create Segment ②

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 150Char

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.

New Position

Head Count 1

FTE 1

At Risk

Area

Special Code

DEMO_REDWOOD

Context Value

Fields and Regions

Filter for fields, regions, rules

Fields Regions Rules

Form Rules

REDWOOD_COOKBOOK_26

REDWOOD_COOKBOOK_2026 (Inactive)

Default Built-in

Collection Rules

No collection business rules defined.

REDWOOD_COOKBOOK_26

Add description

Is (2)

Required Hidden Read Only Value

* Required Visible Read Only

* Required Visible

* Required Visible

Optional Visible Editable

Area

At Risk

At Risk (Display)

Context Value

DEMO_REDWOOD Visible

PositionId

Special Code

trial

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

Cloud / Cloud Applications / Human Resources / 24D

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.oraclep demos.com/hcmRestApi/resources/11.13.18.05/positions?q=PositionCode='1153'&expand=all&onlyData=true>

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

GET
<https://fa.oraclep demos.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
<input checked="" type="checkbox"/> 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.

Positions

Search by name, code, parent position, or incumbent

Effective Date Status Inactive X Incumbent Parent Position Code Parent Position Name Hiring Status Type Filters Clear (1)

+ Add

Name	Code	Status	Incumbents	Parent Position Name	Job Name	Department	Location Name	Business Unit
Recruitment Manager	PRGUKPOS003	Inactive			UK Manager	Human Resources Prg UK	Milton Keynes	Progress UK Business Unit
Training Administrator	PRGUKPOS007	Inactive			UK Administrator	Human Resources Prg UK	Milton Keynes	Progress UK Business Unit
Compensation Manager	PRGUKPOS008	Inactive			UK Manager	Human Resources Prg UK	Milton Keynes	Progress UK Business Unit
Compensation Administrator	PRGUKPOS009	Inactive			UK Administrator	Human Resources Prg UK	Milton Keynes	Progress UK Business Unit
Talent Manager	PRGUKPOS010	Inactive			UK Manager	Human Resources Prg UK	Milton Keynes	Progress UK Business Unit
Senior Analyst	PRGUKPOS011	Inactive			UK Analyst	Human Resources Prg UK	Milton Keynes	Progress UK Business Unit
Junior Analyst	PRGUKPOS012	Inactive			UK Analyst	Human Resources Prg UK	Milton Keynes	Progress UK Business Unit
Payroll Clerk	PRGUKPOS017	Inactive			UK Clerk	Human Resources Prg UK	Milton Keynes	Progress UK Business Unit
Payroll Clerk	PRGUKPOS018	Inactive			UK Clerk	Human Resources Prg UK	Milton Keynes	Progress UK Business Unit
VP of HR, GS-0201	1153	Inactive		Chief HR Officer (CHRO)	VP of HR	Human Resources US Fed	Richmond, VA	Duplicate- Do not use

VP of HR, GS-0201 1153 Update

Summary of Changes

What Changed	After	Before
Status	Inactive	Active

Basic details

Effective Date 1/1/24 - 5/17/25	Status Inactive	Parent Position Chief HR Officer (CHRO)
Business Unit Duplicate- Do not use	Name VP of HR, GS-0201	Code 1153
Department Human Resources US Fed	Job VP of HR	Location Richmond, VA
Assignment Category Standard employment	Full Time or Part Time Full time	Regular or Temporary Regular

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

VP of HR, GS-0201
1153

Cancel Submit

Basic details

Effective Start Date <small>Required</small>	Effective End Date	Action Reason
Status Inactive	Parent Position Chief HR Officer (CHRO)	Business Unit Duplicate- Do not use
Name VP of HR, GS-0201	Code 1153	Department Human Resources US Fed
Job VP of HR	Location Richmond, VA	Assignment Category Standard employment

2. Visual Builder access.

Cancel Submit

Action Reason

Business Unit
Duplicate- Do not use

Department
Human Resources US Fed

Assignment Category
Standard employment

Settings and Actions Sign Out

- Personalization
 - Set Preferences
- Administration
 - Edit Page in Visual Builder Studio
 - Setup and Maintenance
- Troubleshooting
 - Run Diagnostics Tests
- Applications Help
- About This Application

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

Select Project X

Filter Projects

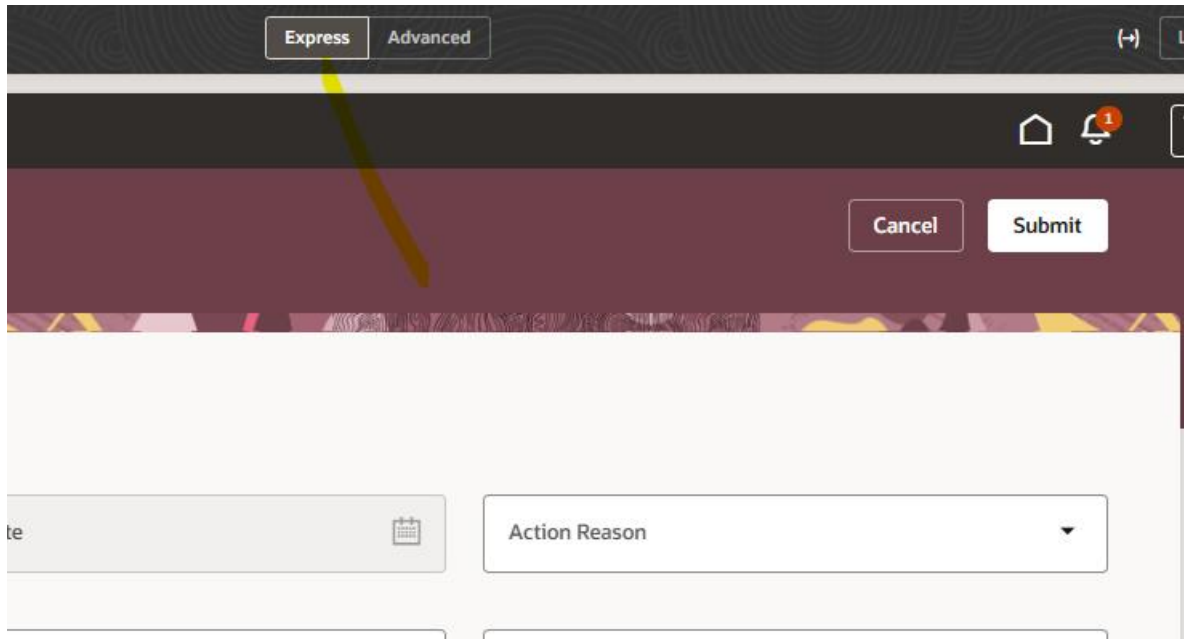
+ Create

Your Projects

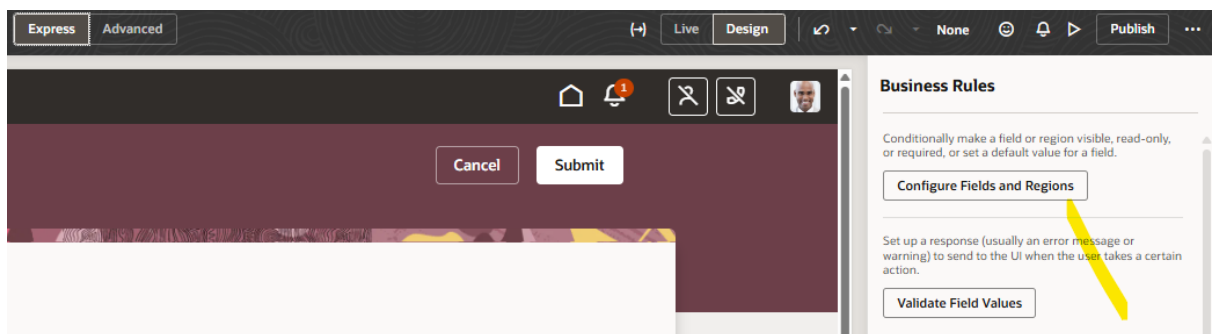
You're already a member of these projects, so you can choose one and get to work right away:

XX_REDWOOD_JJ Recommended No description	JD John Dun... [john.dunb... john.dunbar_dabpqy@o...] Project Owner
--	--

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 ? ☐ Switch ?

Label *

REDWOOD_COOKBOOK_2026

ID *

rEDWOODCOOKBOOK2026

Description

Cancel Create

Now uncheck this element:

Fields and Regions

Filter for fields, regions, rules

Fields Regions Rules

Form Rules ... +

REDWOOD_COOKBOOK_2026

Default Built-in

Collection Rules ... +

No collection business rules defined.

REDWOOD_COOKBOOK_2026

Add description

Edit

☐ Show only fields with overridden properties

	Required	Hidden	Read Only	Value
Optional	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	—
Required	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	—
Visible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—
Read Only	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—
Editable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

And search for the “positionsDFF” that we have setup above.

PositionCode

PositionName

positionsDFF

Global data elements (1)

Area

At Risk

At Risk (Display)

Context Value

DEMO_REDWOOD

PositionId

Special Code

Federal

	Required	Hidden	Read Only	Value
Optional	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	—
Required	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>	—
Visible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—
Read Only	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	—
Editable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Scroll to the right.

REDWOOD_COOKBOOK_2026

Active ...

Add description

☐ Show only fields with overridden properties

	Required	Hidden	Read Only	Value
	* Required		Visible	
onlyCustomField		<input type="text" value="—"/>	Read Only	
	* Required		Visible	
	* Required		Visible	
	<input type="radio"/> Optional		Visible	Editable
ts (1)				
	<input type="text" value="—"/>	<input type="text" value="—"/>	<input type="text" value="—"/>	<input type="text" value="—"/>
	<input type="text" value="—"/>	<input type="text" value="—"/>	<input type="text" value="—"/>	<input type="text" value="—"/>
	<input type="text" value="—"/>	<input type="text" value="—"/>	<input type="text" value="—"/>	<input type="text" value="—"/>
	<input type="text" value="—"/>	<input type="text" value="—"/>	<input type="text" value="—"/>	<input type="text" value="—"/>
IOD	<input type="text" value="—"/>	Visible	<input type="text" value="—"/>	DEMO-REDW...
	<input type="text" value="—"/>	<input type="text" value="—"/>	<input type="text" value="—"/>	<input type="text" value="—"/>

Edit value:

Edit Value

Remove Override

Use “Advanced expression”.

Set Guided Journeys task codes at the page level

DEMO-REDW...

A DEMO_REDWOOD

☐ Clear Field Value

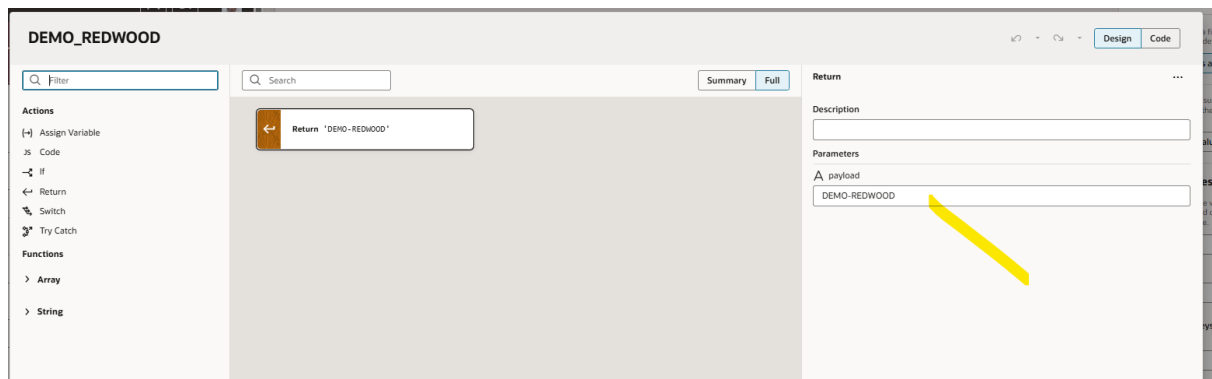
☒ Set Field Value

Value (x)

Use Advanced Expression

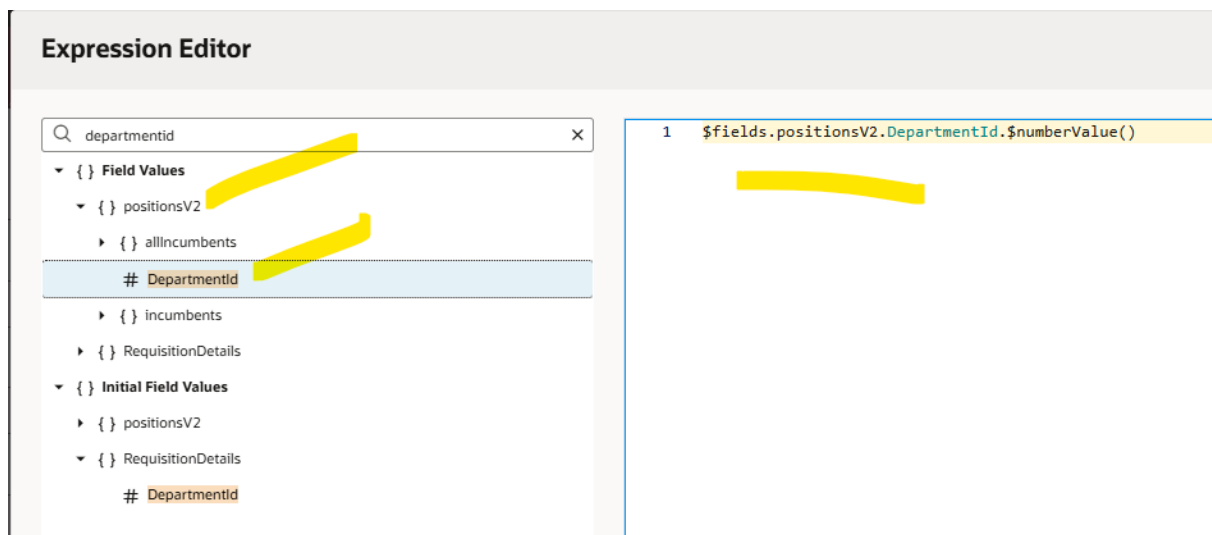
Cancel Done

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 ) {
```

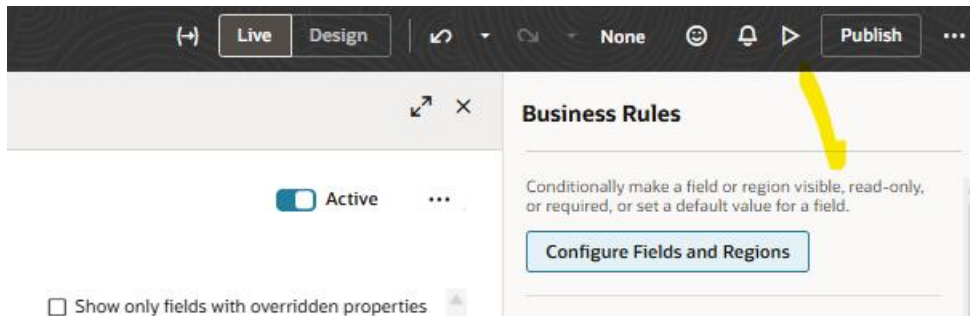
```

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

return { getPositionsV2PositionsDFFDemoRedwood };
});

```

4. Testing using Preview.



When department is not yet selected.

When We select a "Department".

New Position Cancel Submit

Code
Generated automatically

Department
013010 CSO

Job

Location

Assignment Category

Full Time or Part Time
Full time

Regular or Temporary
Regular

Standard Working Hours
40

Frequency
Weekly

Working Hours
40

Frequency
Weekly

Hiring Status
Approved

Type
Single incumbent

Head Count
1

FTE
1

At Risk

Area

Special Code

DEMO_REDWOOD
300000219246744

Context Value

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.

REDWOOD_COOKBOOK_26 Active ...

Add description

Condition Done

Rule applies if all of these conditions are satisfied:

User Roles contains

+ Condition Use Advanced Expression

Regions and Fields Show only field

Filter

Required Hidden Read Only

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.