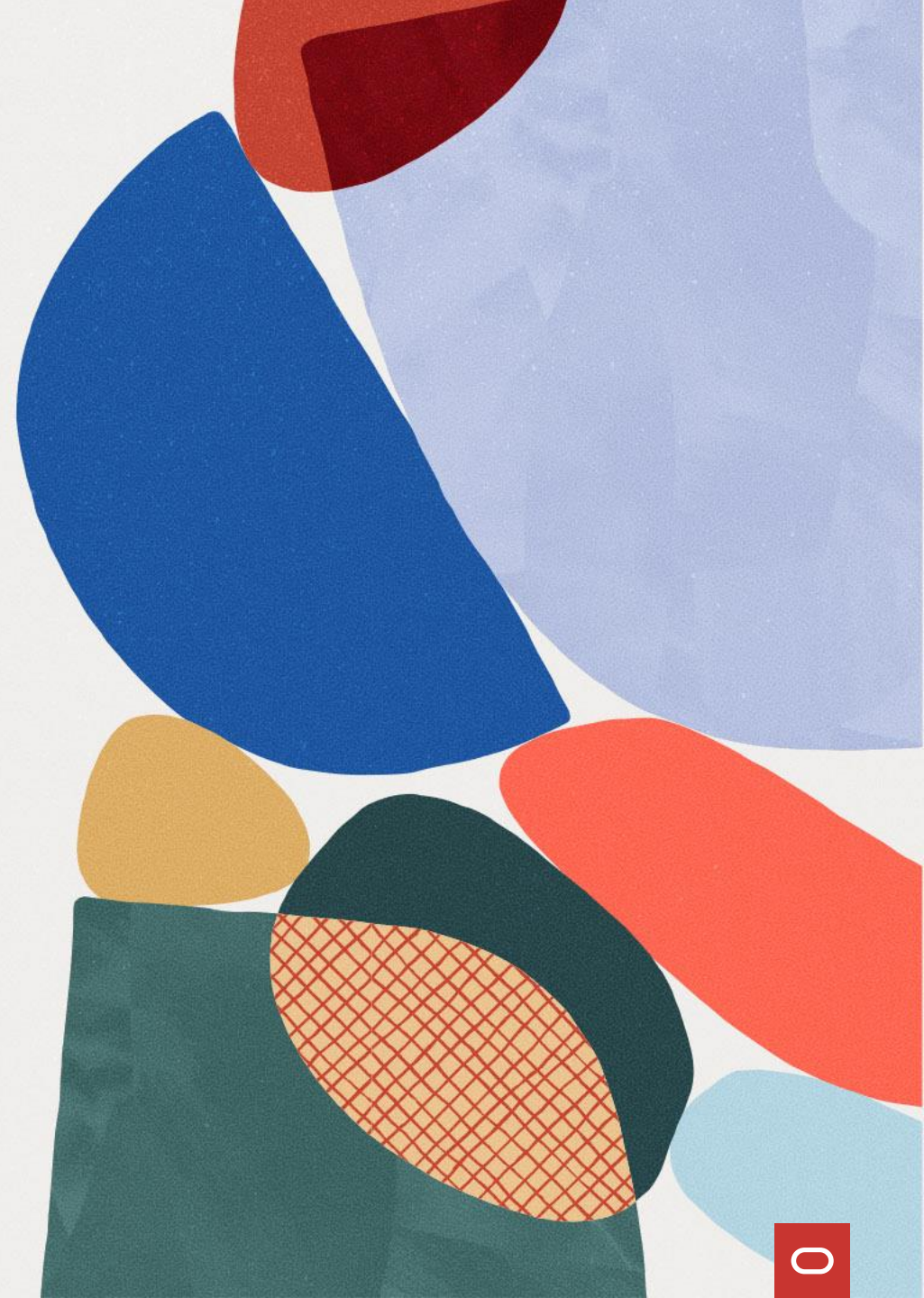


Introduction to Extending Oracle Redwood Applications

Murtaza Amiji

Senior Director Product Management



Why extend Oracle Cloud Apps

- Adjust to your own needs
- Meet changing business requirements
- Unique business functionality or flow
- Optimized user experience
- External interfaces with Cloud Apps data
- Mashup Oracle and external data



Redwood Applications Extensions Momentum

↑ 3x

Application Extensions Live
YoY

↑ 50%

Customers extend
Redwood apps

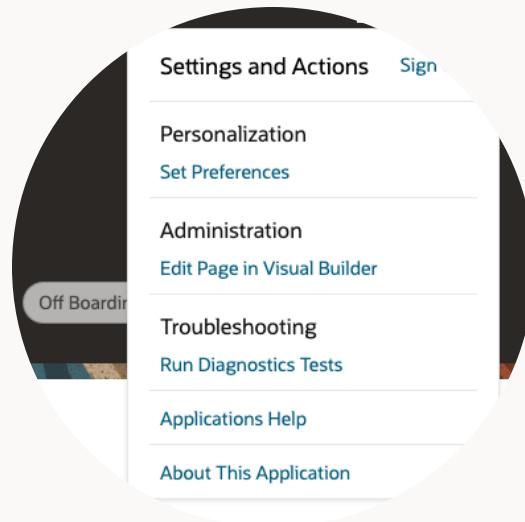
↑ 3.6x

Custom Apps & Pages YoY

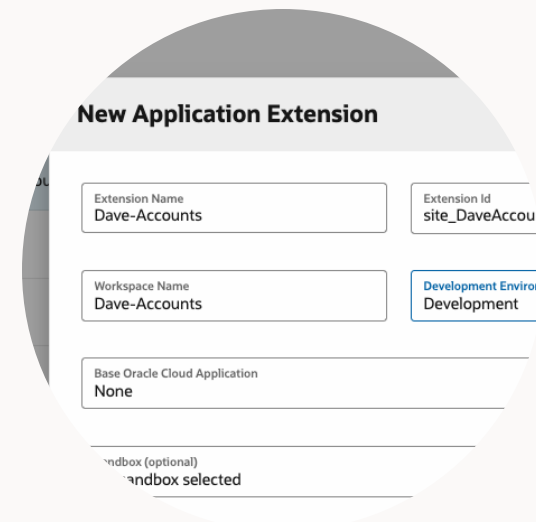
How to Extend Cloud Applications

Using Visual Builder Studio, you can ...

Configure Redwood UIs in Oracle Fusion Apps

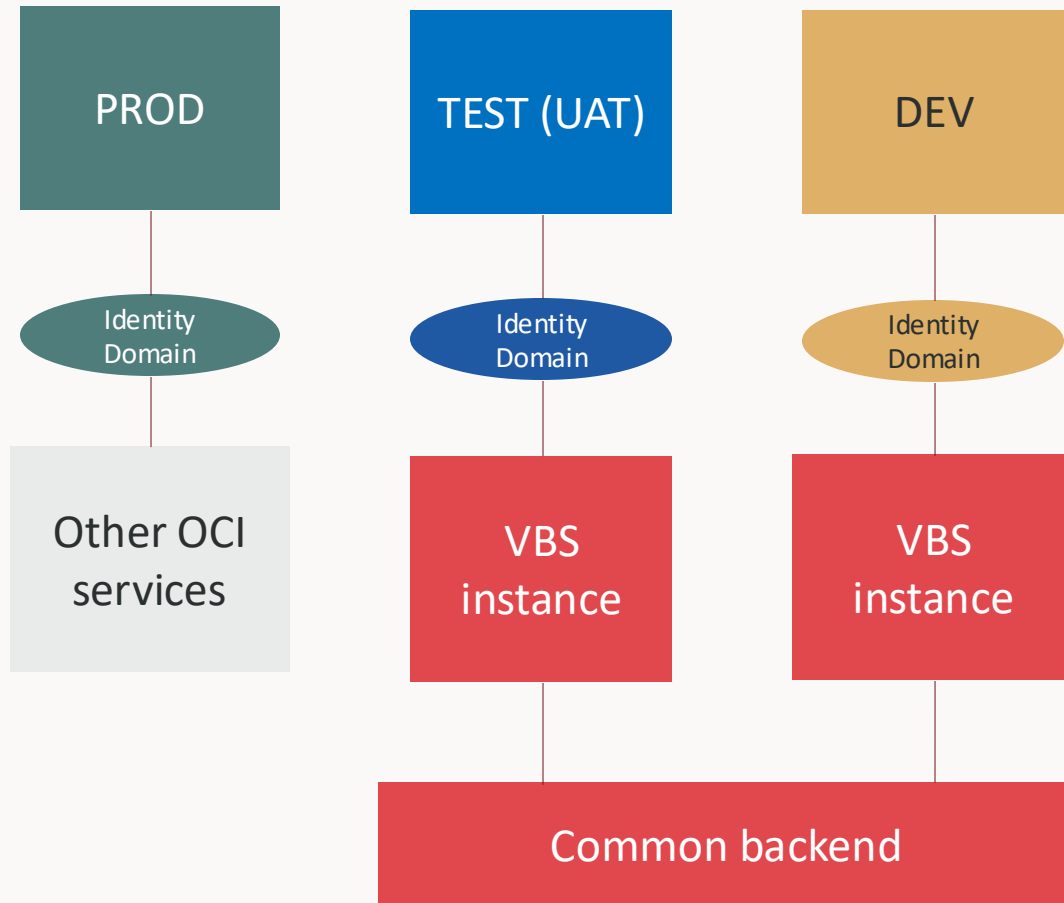


Create new Redwood UIs in Oracle Fusion Apps*



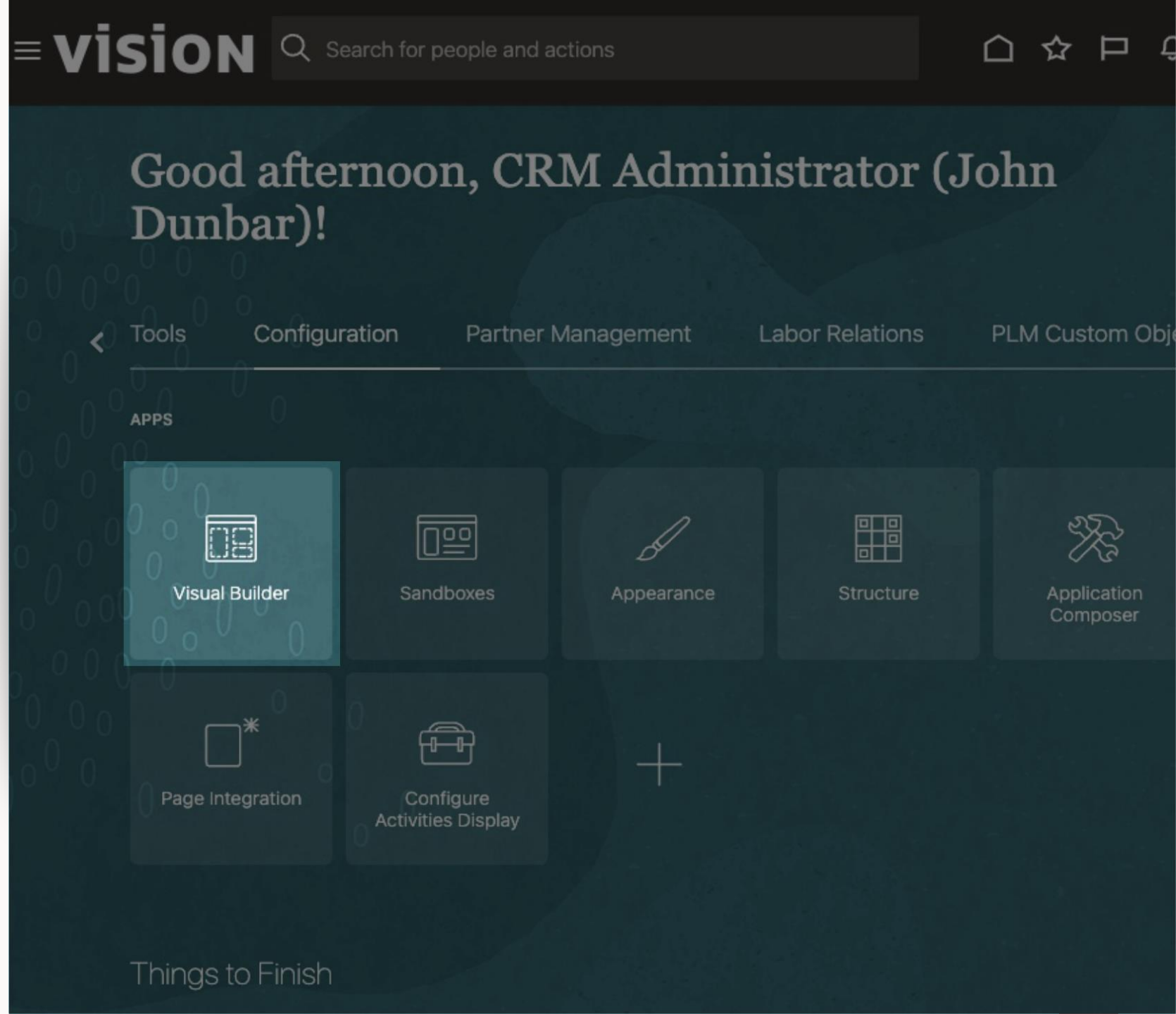
* new pages/apps limited to ERP and CX/CRM. Not supported for HCM/SCM products

How to access Visual Builder Studio



- Provisioned for all pre production environments
- Use any DEV/TEST pod to configure Redwood pages
- Switch environments and resume development

Visual Builder Studio in Oracle Fusion Apps



Extend Fusion Applications

vision

John Dunbar

Settings and Actions

Sign Out

Personalization

Set Preferences

Administration

Edit Page in Visual Builder Studio

Troubleshooting


Run Diagnostics Tests

Applications Help

About This Application

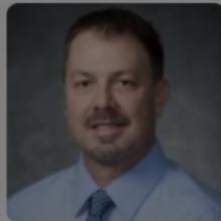
< Connections

dunbar




John Dunbar

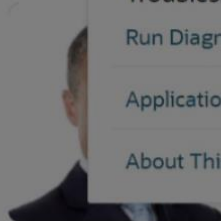
Administrator



Duncan Garrett


Consultant

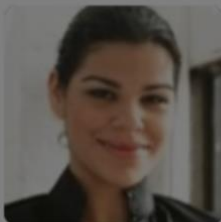
 Bristol, Avon, GB



Duncan Smith

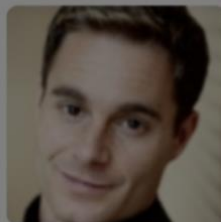
Store Associate

 London, London, GB




Beatriz Duarte


Human Resources Generalist



Eduardo Miranda

Human Resources Administrator

 Fortaleza, Ceará, BR

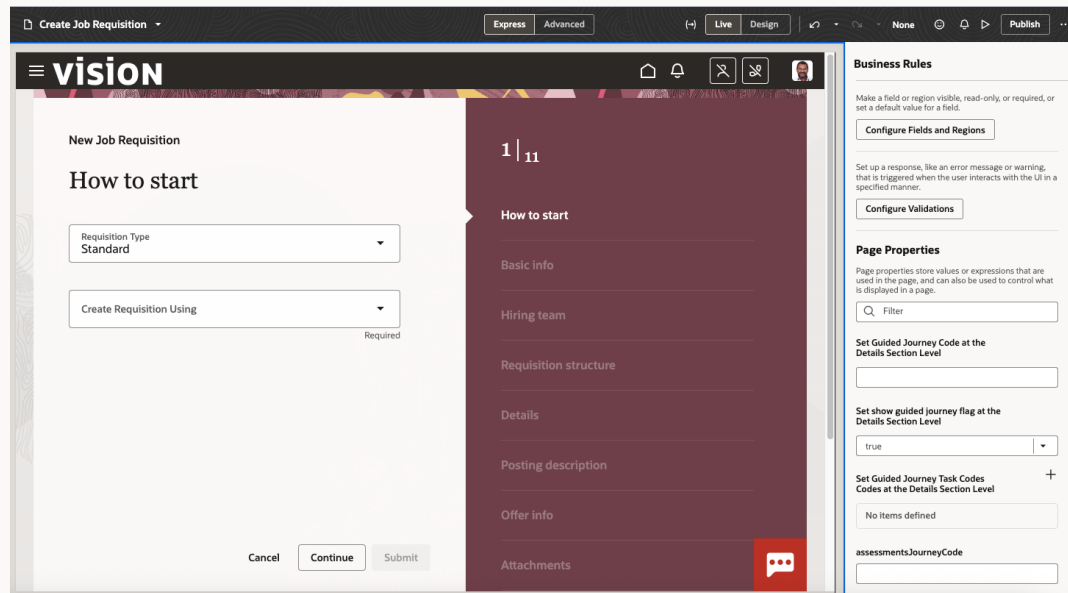
 México, CDMX, Miguel

7

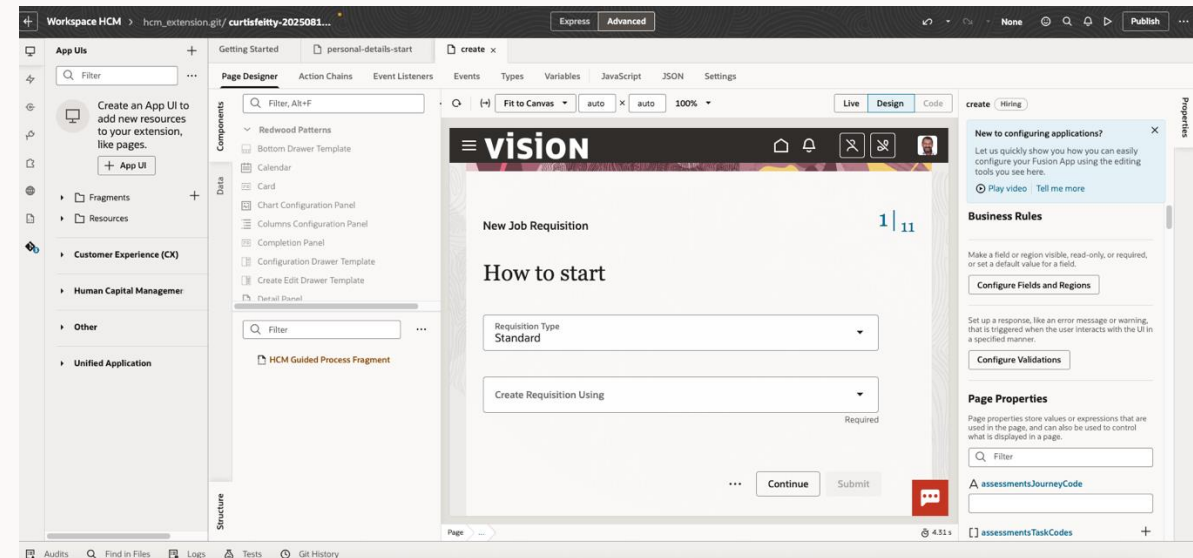
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Multiple VB modes, tailored for Fusion pillar family personas

Express – HCM/SCM Admins



Advance – CX, ERP, and Technical users



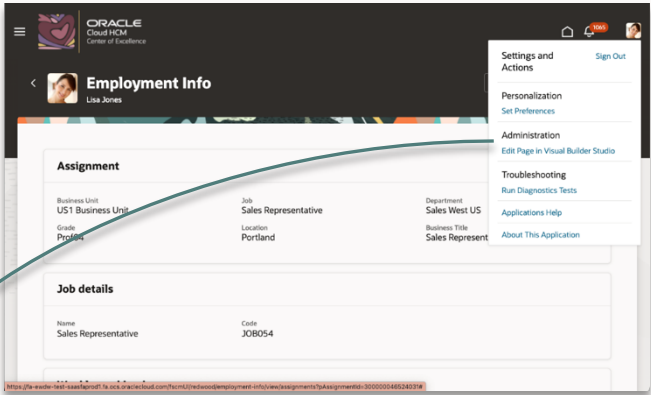
Express mode

Business Rules

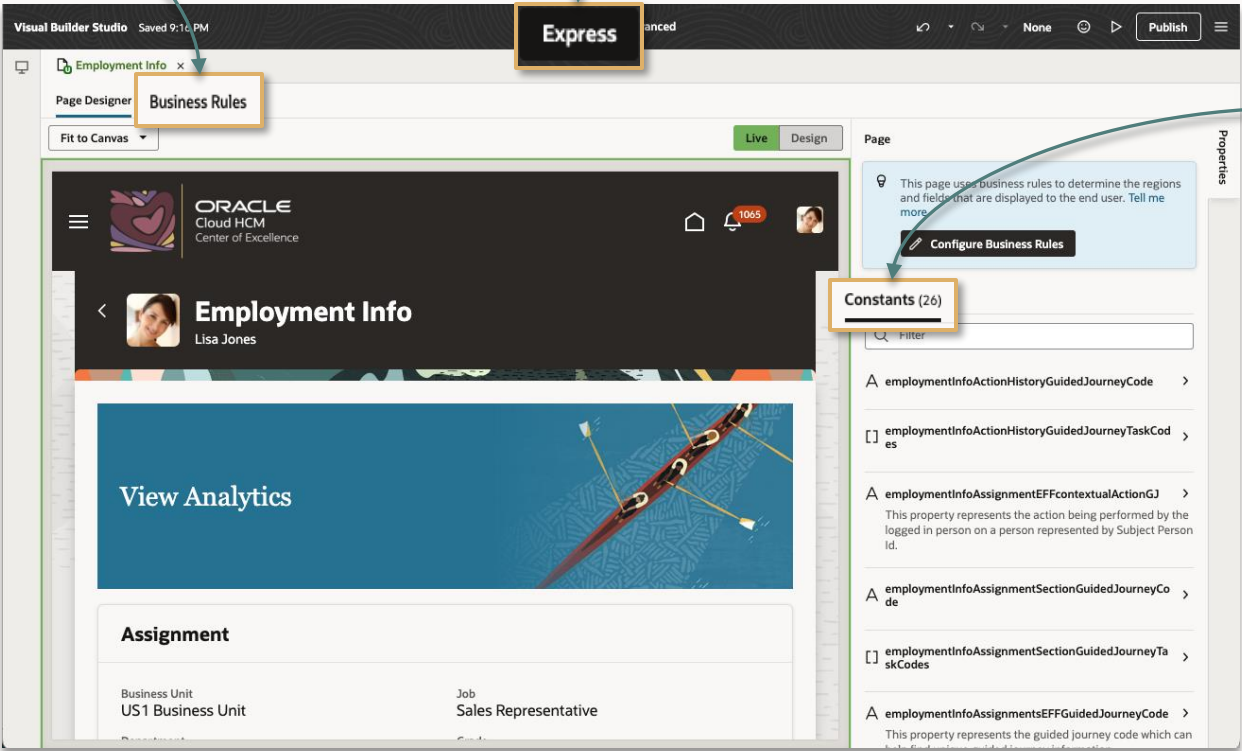
Control the display of regions and fields on a Redwood page.

Express Mode
Direct access from the Redwood page.

No need to create a sandbox



Employment Info Redwood Page



Page Properties

Control page behavior such as guided journeys, hiding or reordering tabs,..

Express Mode in VB Studio



Business Rules

personal-details-start

Saved 6:48 PM

ExpressAdvanced

LiveDesign

None

10

Publish

Fields and Regions

4

Filter for fields, regions, rules

+ Rule

FieldsRegionsRules

2

Extension Rules

Show Blood Type

3

Built-in Rules

Professional Roles Rule

Person legislative information flexfield visible localiz

Religion visible localization rule

Marital status change date visible localization rule

Marital status required localization rule

Highest education level visible localization rule

Gender required localization rule

Ethnicity visible localization rule

National identifier issue date visible localization rule

1

Show Blood Type

Active

Add description

Conditions

Country equals "United States"

5

Edit Condition

Regions and Fields

4

Filter

Expand AllCollapse All

☐ Show only properties overridden by this rule

6

RequiredHiddenRead Only

7

Comments and Attachm... (1)

A Attachments

A Comments

Biographical Info (1)

A Age

A Blood Type 9

A Correspondence Language

A Country of Birth

Date of Birth

Date of Death

Hidden

8

VisibleHidden

Read Only

- 1. Express Mode: Simple-to-use interface for HCM/SCM
- 2. Create and reorder your own rules
- 3. View and duplicate Oracle delivered rules
- 4. Quickly access rules, regions and attributes filtering by their name
- 5. Focus only on what has been configured by this rule
- 6. Ensure data quality by making fields read-only
- 7. Quickly identify the number of changes per region and/or its overridden attributes
- 8. Set overrides
- 9. Better understand which rules affect a specific region or attribute and the sequencing
- 10. Preview/test your configuration



Advance mode – for CX, ERP, and advance users

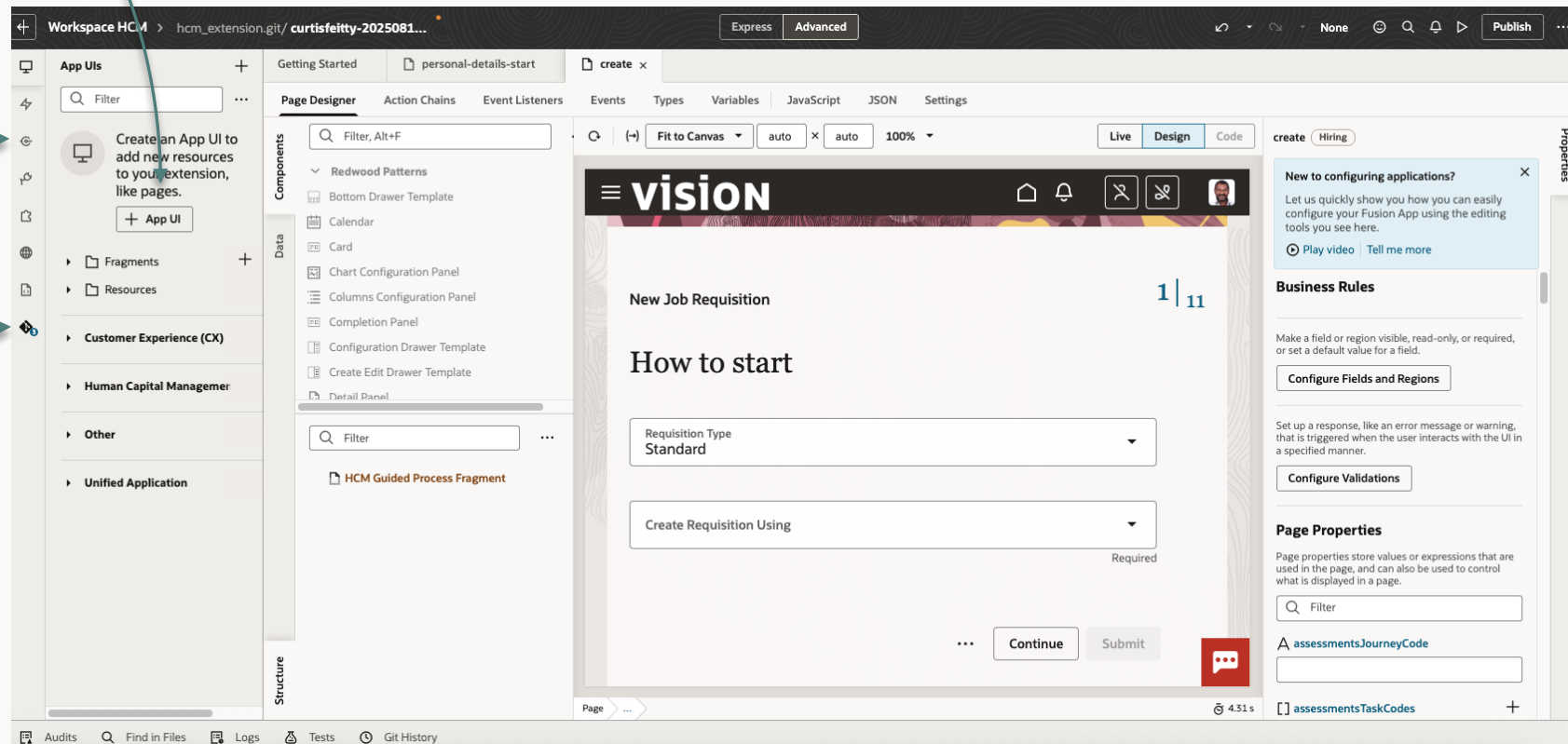
Create new app/pages

Includes Express mode + more

Add Fusion data over REST

Advanced lifecycle mgt:

- e.g. git branching, merging



Control Layouts

🖥️

🚀

🔄

🗄️

🔍

📄

🌐

📁

🔗

profile x

ProfileBasicInfoCardLayout x

Rule Sets (1)

Fields (1)

Templates (10)

Actions

Event Listeners

Events (1)

Types

Variables

< Rule Sets

Basic Info Card

Oracle Hcm centra...

Layout default_copy ▾

Fields

🔍 Filter

All Fields

☒ A AssignmentName

☒ { } buildingAddress

☒ { } currentDateTime

☒ { } favoritePerson

☒ A LocationMultiLineAddress

☒ [] otherCommunicationAccounts

☒ [] phoneNumbers

Select fields to display

⋮ A Pronoun (Pronoun Template)

⋮ { } favoritePerson (favoritePersonT...

⋮ A AssignmentName (Assignment...

⋮ [] phoneNumbers (PhoneNumber...

⋮ A WorkEmail (WorkEmail Template)



Create Custom Display Logic

Display Logic ?

The screenshot shows a 'Display Logic' editor interface. On the left, a flowchart consists of a diamond connector, a solid diamond connector, and a diamond connector with a warning icon. A '+ Rule' button is positioned next to the first diamond. A 'Profile Rule' dialog box is open, displaying an 'if' condition with 'Attribute' and 'Operat' (likely 'Operator') fields. Below the 'if' condition is a 'return' button. A dropdown menu is open, showing a list of fields and context items. The 'Context' section includes '{ } @dt'. The 'Fields' section includes 'AssignmentName', 'buildingAddress', 'currentDateTime', 'favoritePerson', 'LocationMultiLineAddress', 'otherCommunicationAccounts', 'phoneNumbers', 'Pronoun', 'stringsBundle', and 'WorkEmail'. The 'Responsive' section is also visible at the bottom of the dropdown.

Profile Rule

if Attribute Operat Attribute

Add Condition

return

From Depend

default

return

Context

- { } @dt

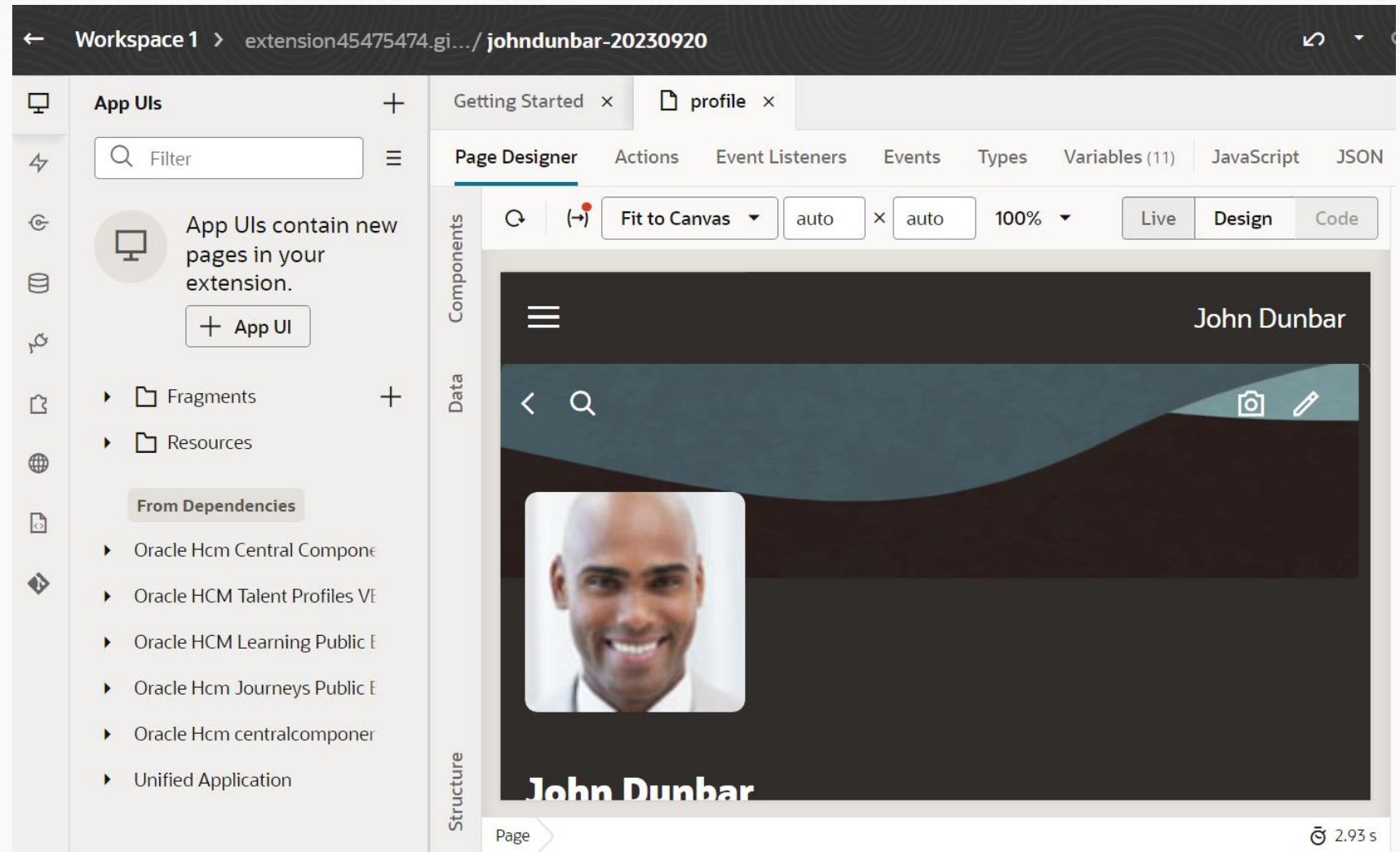
Fields

- AssignmentName
- buildingAddress
- currentDateTime
- favoritePerson
- LocationMultiLineAddress
- otherCommunicationAccounts
- phoneNumbers
- Pronoun
- stringsBundle
- WorkEmail

Responsive

Done

Create Entirely New Applications



Add Fusion Data to your apps


The screenshot displays the Oracle APEX Page Designer interface for a web application titled "Accounts". The interface is divided into several sections:

- Header:** Features the "vision" logo, a home icon, a notification bell, and the user name "John Dunbar".
- Search Bar:** A prominent white search bar with the text "pinnacle" entered.
- Table:** A table listing account information with the following columns: Organization Name, Chief Executive Name, Revenue, Next Fiscal Year's Potential Revenue, Edit, and Info. The table contains five rows of data.
- Left Panel:** Contains a "Components" pane with a search filter and a "Data" pane showing a tree structure of services and data sources. The "Data" pane lists various services like "Get Many /accounts", "Create /accounts", and "Update /accounts/{acc}".
- Right Panel:** A "Properties" pane for the selected component.
- Bottom Panel:** Includes a "Page" tab and a status bar showing "1.50 s".


Organization Name	Chief Executive Name	Revenue	Next Fiscal Year's Potential Revenue	Edit	Info
Pinnacle Technologies	Kevin Packard	146874660	161562120		
Pinnacle UK Ltd	Dan Shaw	121197220	133316942		
Pinnacle Madrid		29145000	107515905		
Pinnacle Bank					

Extension lifecycle management

Visual Builder Studio

 CF

Manage Extension Lifecycle

 Try an extension name or description

☒ Show extensions for my project only

Add Environment

Development




Live

HCM Extension

Version: 0.1.1758589136

Deployed Just now by curtis.feitty


From project Application Extensions



Production

This environment doesn't have any active extensions deployed to it for the current project.

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View details on
published
extensions

Visual Builder Studio

Manage Extension Lifecycle

Try an extension name or description

☒ Show extensions for my project only

Development

Live

HCM Extension

Version: 0.1.1758589136
Deployed Just now by curtis.feitty
From project Application Extensions

Production

This environment doesn't have any active extensions deployed to it for the current project.

Extension Details

Name

HCM Extension

Id

site_hcm_extension

Version

0.1.1758589136

Deployed

3 minutes ago

Deployed By

curtis.feitty

App UIs

This extension has no App UIs

Dependencies

oracle_hcm_opportunitymarketplaceUI

oracle_hcm_peoplepersonalinfoUI >=2

Version History

Aug 28, 2025 11:45 AM
Version: 0.1.1756406736
Deployed by john.dunbar

Aug 15, 2025 1:56 PM
Version: 0.1.1755291403
Deployed by curtis.feitty

Deploy extension to other environments

Visual Builder Studio

Manage Extension Lifecycle

Try an extension name or description

☒ Show extensions for my project only

Development

Live

HCM Extension

Version: 0.1.1758589136
Deployed Just now by curtis.feitty
From project Application Extensions

Production

This environment doesn't have any active extensions deployed to it for the current project.

Deploy extension

Choose the environment where you want to deploy extension HCM Extension:

☒ Production

Cancel

Deploy

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The Oracle logo, consisting of a red square with a white stylized 'O' inside.

Delete extension

Visual Builder Studio

Manage Extension Lifecycle

Try an extension name or description

☒ Show extensions for my project only

Development

Live

HCM Extension

Version: 0.1.1758589136
Deployed Just now by curtis.feitty
From project Application Extensions

Production

Live

HCM Extension

Version: 0.1.1758589136
Deployed Just now by curtis.feitty
From project Application Extensions

Delete extension?

Are you sure you want to delete extension HCM Extension? You can't undo this action.

Cancel

Delete

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Summary

- Tailored experience for business and technical users
- Configure out-of-the-box Oracle Redwood pages
- Create new pages and applications
- Use one or more VB Studio instance to access common project
- Promote/deploy extensions and manage lifecycle

Help/Feedback

- **Product Docs** : <https://docs.oracle.com/en/cloud/paas/visual-builder/index.html>
- **Customer Connect Forums**
 - Redwood extension development – <https://community.oracle.com/customerconnect/categories/develop-for-redwood>
 - VB Studio for HCM - <https://community.oracle.com/customerconnect/categories/hcm-visual-builder-studio-for-hcm>
 - VBCS Applications - <https://community.oracle.com/customerconnect/categories/oci-visual-builder>

Thank You

Your feedback is important.

**Scan this QR Code or use the
Mobile App to share your
thoughts on this session.**



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