

**ORACLE**

CloudWorld

# Introduction to Extending Oracle Redwood Applications

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## 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

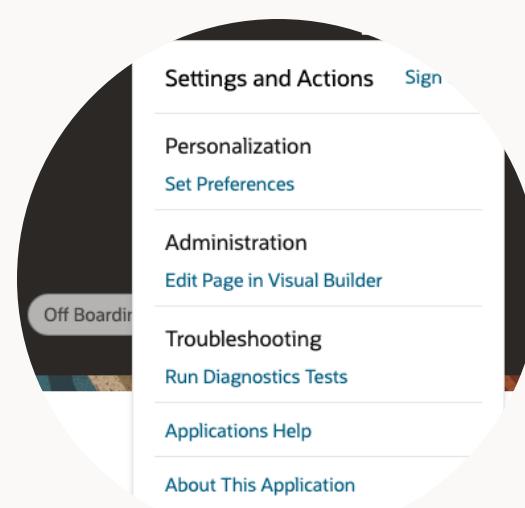
↑ 3.6x

Custom Apps & Pages YoY

# How to Extend Cloud Applications

Using Visual Builder Studio, you can ...

## Configure Redwood UIs in Oracle Fusion Apps

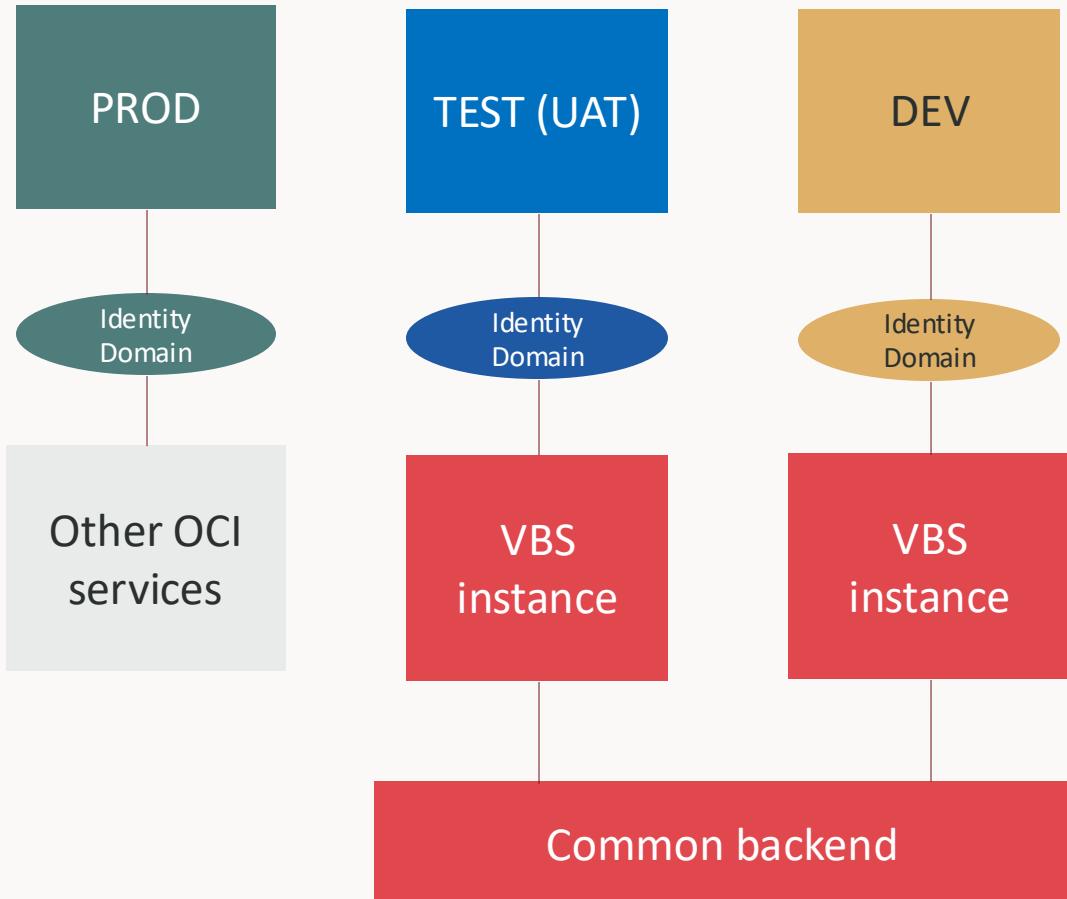


## Create new Redwood UIs in Oracle Fusion Apps\*

A screenshot of the 'New Application Extension' configuration dialog. It shows fields for 'Extension Name' (set to 'Dave-Accounts'), 'Extension Id' (set to 'site\_DaveAccou'), 'Workspace Name' (set to 'Dave-Accounts'), 'Development Environment' (set to 'Development'), and 'Base Oracle Cloud Application' (set to 'None'). Below these fields is a note about sandbox selection: 'Sandbox (optional)' and 'Sandbox selected'.

\* 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

Good afternoon, CRM Administrator (John Dunbar)!

Tools

Configuration

Partner Management

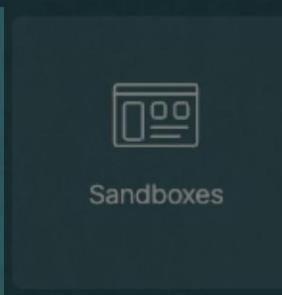
Labor Relations

PLM Custom Obj

APPS



Visual Builder



Sandboxes



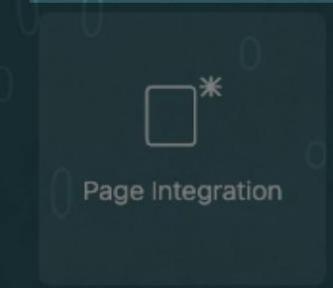
Appearance



Structure



Application  
Composer



Page Integration



Configure  
Activities Display



Things to Finish

# 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

The screenshot shows a search interface for 'Connections'. A search bar at the top contains the text 'dunbar'. Below the search bar, there are five cards representing user profiles:

- John Dunbar** (Administrator): Profile picture of a man, location icon (UK) for Bristol, Avon, GB.
- Duncan Garrett** (Consultant): Profile picture of a man.
- Duncan Smith** (Store Associate): Profile picture of a man, location icon (UK) for London, London, GB.
- Beatriz Duarte** (Human Resources Generalist): Profile picture of a woman.
- Eduardo Miranda** (Human Resources Administrator): Profile picture of a man.

# Multiple VB modes, tailored for Fusion pillar family personas

## Express – HCM/SCM Admins

The screenshot shows the Oracle Fusion HCM application in Express mode. The main title bar includes tabs for 'Create Job Requisition', 'Express' (selected), 'Advanced', 'Live', 'Design', 'None', 'Personal Details', 'Publish', and '...'.

The left sidebar has sections for 'New Job Requisition' and 'How to start'. Under 'How to start', there are dropdown menus for 'Requisition Type' (Standard) and 'Create Requisition Using'. Below these are sections for 'Basic info', 'Hiring team', 'Requisition structure', 'Details', 'Posting description', 'Offer info', and 'Attachments'. A red 'Feedback' icon is located at the bottom right of the sidebar.

The right panel displays a 'Business Rules' configuration section with fields for 'Configure Fields and Regions', 'Configure Validations', and 'Page Properties'. It also includes sections for 'Set Guided Journey Code at the Details Section Level', 'Set show guided journey flag at the Details Section Level' (set to true), 'Set Guided Journey Task Codes Codes at the Details Section Level' (No items defined), and 'assessmentsJourneyCode'.

At the bottom are 'Cancel', 'Continue', and 'Submit' buttons.

## Advance – CX, ERP, and Technical users

The screenshot shows the Oracle Fusion HCM application in Advance mode, specifically in the 'Page Designer' view. The title bar includes tabs for 'Express' (selected), 'Advanced', 'Getting Started', 'personal-details-start', 'create', 'Page Designer' (selected), 'Action Chains', 'Event Listeners', 'Events', 'Types', 'Variables', 'JavaScript', 'JSON', and 'Settings'.

The left sidebar shows the 'Components' tree with categories like 'Fragments', 'Resources', 'Customer Experience (CX)', 'Human Capital Management', 'Other', and 'Unified Application'. Under 'Customer Experience (CX)', 'Redwood Patterns' and 'Bottom Drawer Template' are listed. Under 'Other', 'HCM Guided Process Fragment' is listed.

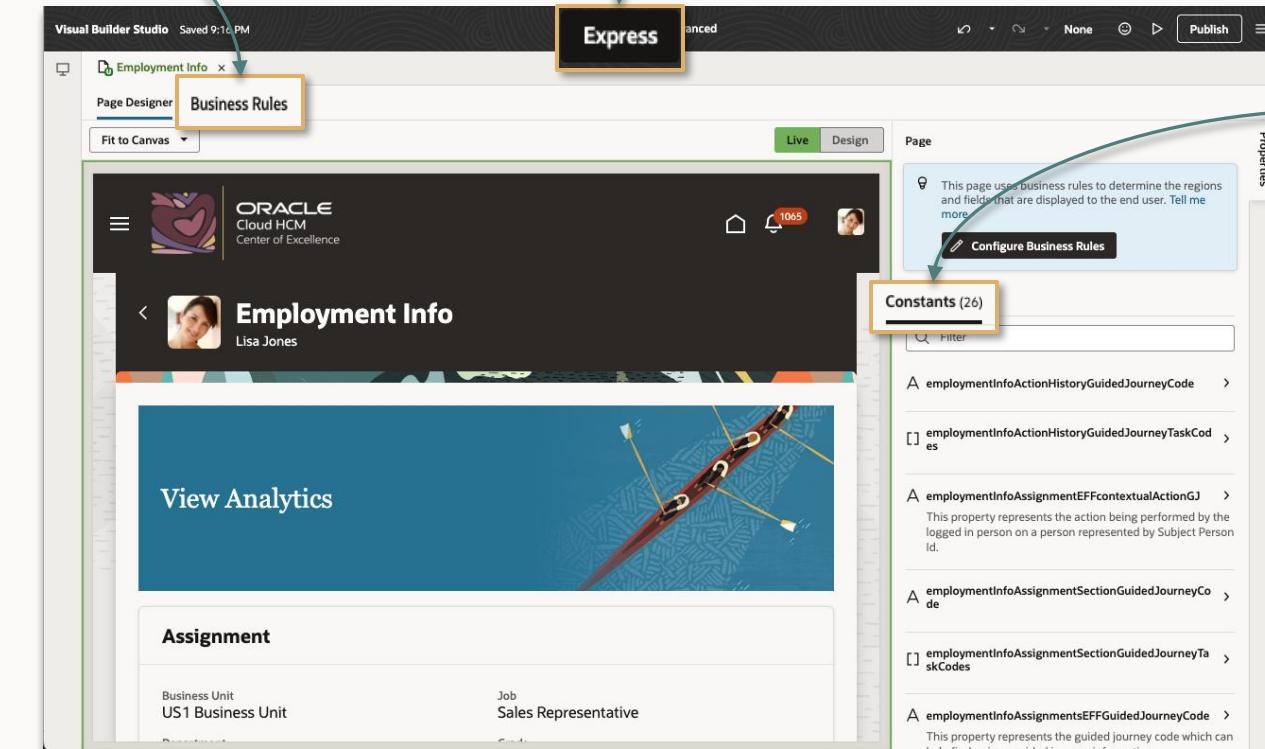
The right panel displays the same 'New Job Requisition' form as the Express mode screenshot, but with additional context from the Page Designer. It includes sections for 'Business Rules', 'Configure Fields and Regions', 'Page Properties', and 'assessmentsJourneyCode'.

At the bottom are 'Continue', 'Submit', and a red 'Feedback' icon.

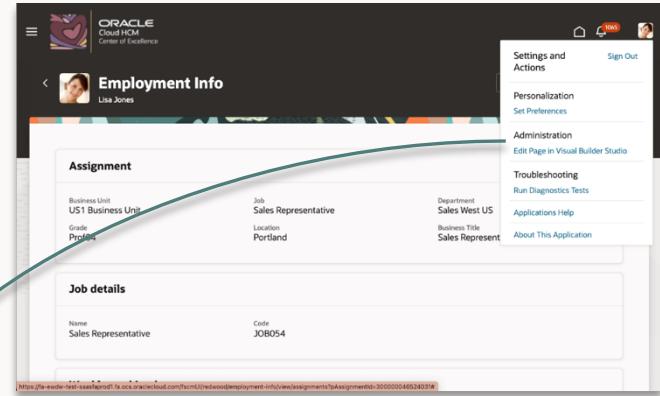
# Express mode

## Business Rules

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



Express Mode in VB Studio



Employment Info Redwood Page

**Express Mode**  
Direct access from the Redwood page.  
No need to create a sandbox

## Page Properties

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

# Business Rules

The screenshot shows the Oracle Business Rules Express Mode interface. At the top, there's a navigation bar with tabs for 'Express' (selected), 'Advanced', 'Live', 'Design', and 'Publish'. Below the navigation is a toolbar with icons for saving, undoing, redoing, and previewing. A status bar indicates the file is 'personal-details-start' and was 'Saved 6:48 PM'.

The main area is titled 'Fields and Regions'. On the left, there's a sidebar with sections for 'Extension Rules' (selected) and 'Built-in Rules'. Under 'Extension Rules', 'Show Blood Type' is selected. Under 'Built-in Rules', several localization rules are listed: Professional Roles Rule, Person legislative information flexfield visible localization rule, 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, and National identifier issue date visible localization rule.

The central panel shows a rule named 'Show Blood Type' with the condition 'Country equals "United States"'. Below this is a 'Regions and Fields' section where fields like 'Comments', 'Biographical Info', 'Age', 'Blood Type', 'Correspondence Language', 'Country of Birth', 'Date of Birth', and 'Date of Death' can be configured as 'Required', 'Hidden', or 'Read Only'. A dropdown menu for 'Blood Type' is open, showing options 'Visible' and 'Hidden'.

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

Add Fusion data over REST

Advanced lifecycle mgt:  
• e.g. git branching, merging

Includes Express mode + more

The screenshot shows the Oracle Fusion HCM Extension workspace titled 'Workspace HCM > hcm\_extension.git/ curtisfeitzy-2025081...'. The interface is split into several panels:

- Left Panel:** Shows 'App UIs' with a sub-section for 'Customer Experience (CX)'. It includes a callout 'Create an App UI to add new resources to your extension, like pages.' with a '+ App UI' button.
- Middle Panel:** 'Page Designer' tab is active. It displays a preview of a page titled 'vision' with the heading 'New Job Requisition' and sub-section 'How to start'. The page contains dropdown fields for 'Requisition Type' (Standard) and 'Create Requisition Using'.
- Right Panel:** 'Properties' panel on the right side of the page editor.
- Bottom Navigation:** Includes links for 'Audits', 'Find in Files', 'Logs', 'Tests', and 'Git History'.

The overall interface is designed for advanced users, combining the express mode of the page designer with additional features for complex application development and management.

# Control Layouts

The screenshot shows the Oracle HCM Central interface for managing profile layouts. The top navigation bar includes tabs for Rule Sets (1), Fields (1), Templates (10), Actions, Event Listeners, Events (1), Types, and Variables. The current view is under the Rule Sets tab, specifically for the 'Basic Info Card' layout.

The left sidebar features a vertical list of icons corresponding to different layout components: monitor, lightning bolt, circular arrow, database, gear, folder, globe, file, and a person icon with a '7'.

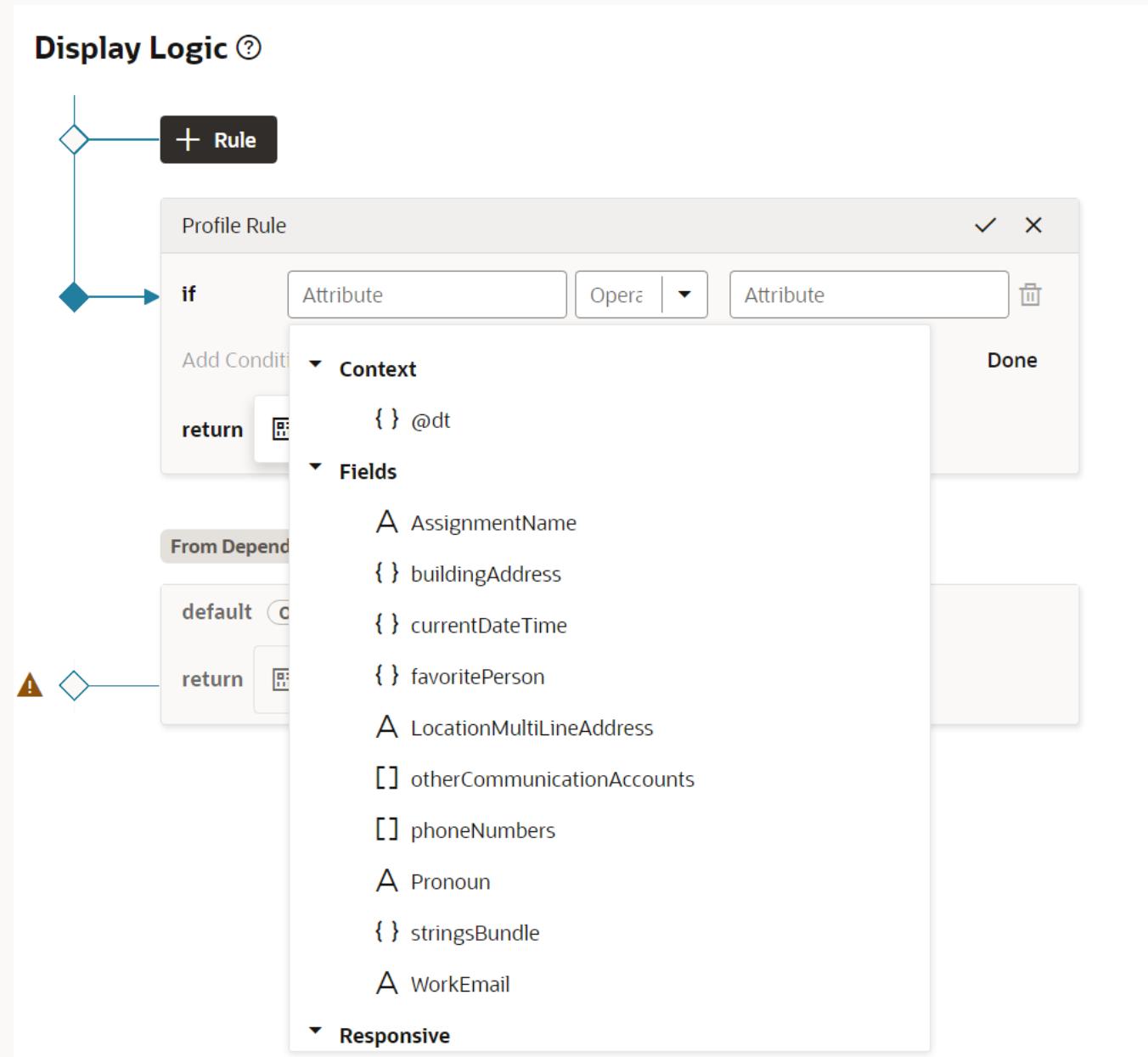
The main content area is titled 'Select fields to display'. It lists several fields with checkboxes:

- A Pronoun (Pronoun Template)
- { } favoritePerson (favoritePersonT...)
- A AssignmentName (Assignment...
- [] phoneNumbers (PhoneNumber...
- A WorkEmail (WorkEmail Template)

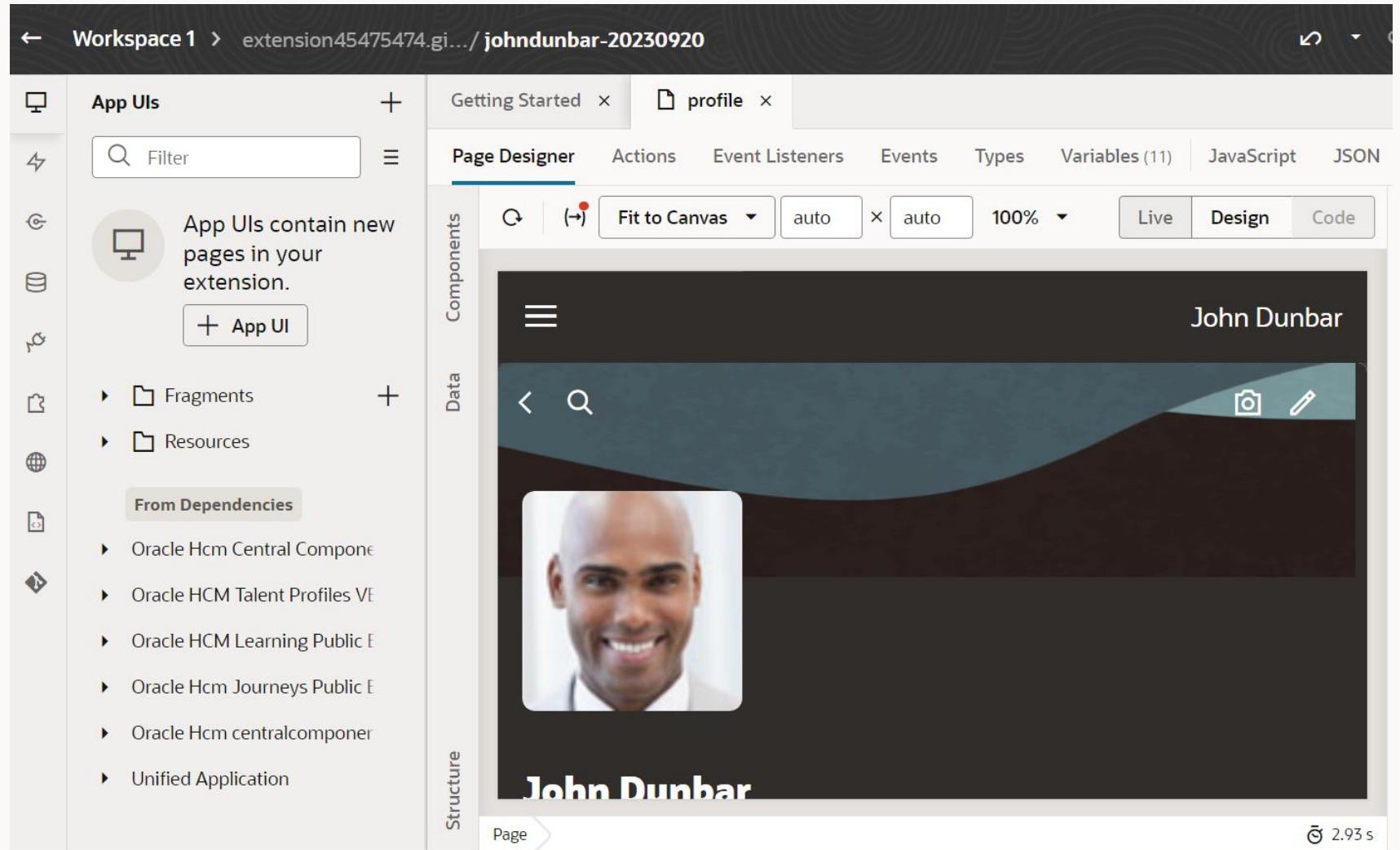
On the left side of the main content area, there is a 'Fields' section containing a search bar labeled 'Filter' and a list of all available fields:

- A AssignmentName
- { } buildingAddress
- { } currentDateTime
- { } favoritePerson
- A LocationMultiLineAddress
- [] otherCommunicationAccounts
- [] phoneNumbers

# Create Custom Display Logic



# Create Entirely New Applications



# Add Fusion Data to your apps

The screenshot shows the Oracle Fusion Page Designer interface. At the top, the project path is "Accounts2 > Accounts2.git/ master". The main area is titled "main-start" and displays a "Page Designer" tab. On the left, a sidebar shows "Components" under "Services" with various options like "Get Many /accounts", "Create /accounts", etc. Below this is a "Data" section with "AccountContact", "AccountExtensionBase", etc. A "Structure" section is also present. The central area shows a live preview of a page titled "vision" with a header "John Dunbar". The page content includes a search bar with "pinnacle" typed in, a decorative illustration of a person climbing a mountain, and a table of account data:

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					

At the bottom, there are navigation links for "Audits", "Find in Files", "Git History", and "Tests". The status bar at the bottom right shows "1.50 s".

# 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.feitly

From project Application Extensions



...

### Production

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



# View details on published extensions

Visual Builder Studio

## Manage Extension Lifecycle

Try an extension name or description  Show extensions for my project only

**Development**

<span>Live</span>	HCM Extension	Version: 0.1.1758589136 Deployed Just now by curtis.feitty From project Application Extensions
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**Production**

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

**Extension Details** X

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.feitly  
From project Application Extensions

▼  Production

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

Cancel Deploy

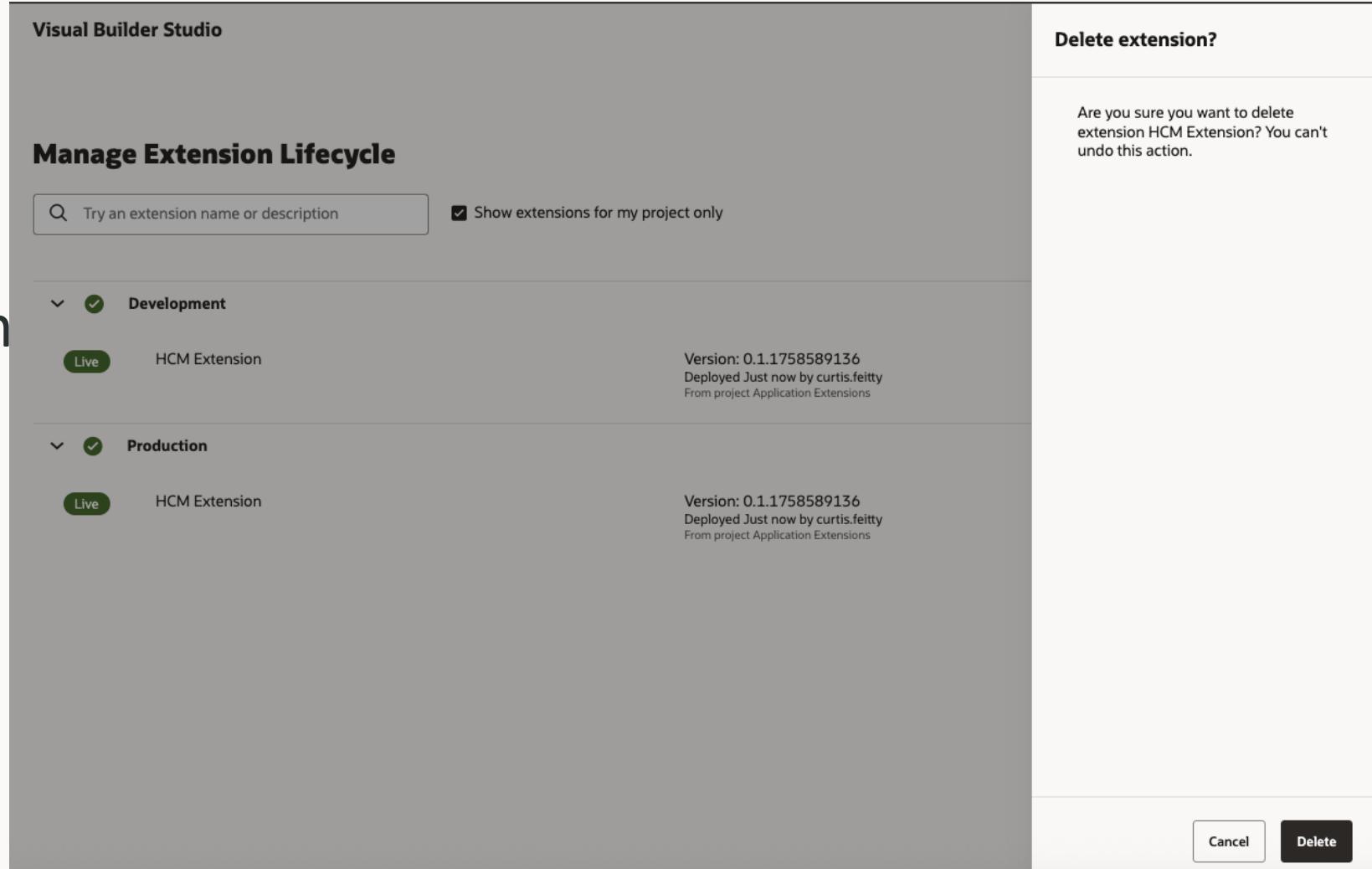
Deploy extension

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

Production



# Delete extension



## 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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