

# Merative Cúram Enhancements

Cúram 8.1.3 Enablement Material



# Accessibility Improvements

# Accessibility Improvements

8.1.3.0 contains

## ***48 Accessibility improvements***

throughout the Cúram Application

These changes will benefit many different types of users of the system.

The following sections detail before and after screens and descriptions (where applicable)

In addition, there are also some technical details regarding the change and if any specific upgrade steps are required, this is also noted.

Note: If a client has customized any of the pages mentioned, these changes made by Merative will need to be taken into consideration in that client's code.

Refer to the External Release Notes for additional details for any of the items listed below

# List of Accessibility Improvements

1. Fields that do not have a label cannot display the mandatory asterisk indicator
2. Long code table descriptions are truncated, and the full details are not readable
3. The bottom of the Dialogs titles in Rich Text Editor are truncated
4. The tooltips displaying phone and fax number field labels are not accessible for keyboard or mobile users
5. Buttons rendered as Links but styled as buttons cannot be activated by the Space key
6. Calendar fails the minimum color contrast requirement
7. Text Truncated and overlapped when Context Panel preview shown in a modal
8. Content overlaps and is truncated on the Person Context panel when viewed zoomed to 200%
9. List tables without actions menus are breaking words and not scrolling horizontally when zoomed
10. Button labels used to launch certain dialogs do not match the dialog headings
11. Focus not visible when Calendar icon in IEG receives the focus
12. The focus marker is not displayed for the options of a single-select IEG List question which is displayed as a dropdown
13. Focus is not shown when the user navigates to the navigation menu in the content area navigation bar
14. Focus is not shown clearly when the user navigates to email on the person context panel
15. Visualization of Reserved Tasks
16. No labels defined for Photo & List view tabs in context panel
17. Improvements for screen reader users (18 items)
18. Updated Icons (7 Items)

Fields that do not have a label cannot display the mandatory asterisk indicator

# Fields that do not have a label cannot display the mandatory asterisk indicator

## Before 8.1.3

There are several fields in the application that should be marked as mandatory, but they do not have a label. Without a label, the mandatory asterisk indicator cannot be displayed

New Service

① Service    ② Details    ③ Schedule

Step 2: Details

Client  
James Jones (34 years) ▾

Units (Session)  
0

Nominee  
Employer ▾

Sensitivity  
1 ▾

Reason

Rich text editor toolbar:

Fields that do not have a label cannot display the mandatory asterisk indicator

### In 8.1.3

The affected pages have been updated to include labels, allowing the mandatory asterisk to be displayed.

#### Technical Considerations

The following 8 pages have been updated:

1. webclient/components/ChildServices/Intake/CCSIntake\_modifyNarrative.uim
2. webclient/components/AssessmentPlanning/Delivery/OutcomePlan/Factors/OutcomePlanFactor\_addNote.uim
3. webclient/components/AssessmentPlanningCPM/overridden/CPM/Referral/ProviderManagement\_editReferralNotificationsNotSent.uim
4. webclient/components/AssessmentPlanningCPM/overridden/CPM/ServiceDelivery/ProviderManagement\_editService1.uim
5. webclient/components/CPM/Referral/AddReferralWizard/ProviderManagement\_referralWizardCommonDetails.vim
6. webclient/components/CPM/Referral/ProviderManagement\_editReferralNotificationsNotSent.uim
7. webclient/components/CPM/ServiceDelivery/CreateServiceDeliveryWizard/CreateServiceDeliveryWizard\_details1.uim
8. webclient/components/CPM/ServiceDelivery/ProviderManagement\_editService1.uim

The screenshot shows a 'New Service' form interface. At the top, there are three tabs: ① Service, ② Details (which is selected), and ③ Schedule. Below the tabs, the form is divided into sections: 'Client' (with a dropdown menu showing 'James Jones (34 years)'), 'Units (Session)' (with a text input field containing '0'), 'Nominee' (with a dropdown menu showing 'Employer'), and 'Sensitivity' (with a dropdown menu showing '1'). A rich text editor toolbar is visible at the bottom of the form area. The 'Reason \*' field, located in the 'Nominee' section, is highlighted with a red border, indicating it is a required field.

Long code table  
descriptions are  
truncated, and the full  
details are not readable

Long code table descriptions are truncated, and the full details are not readable

### Before 8.1.3

Code table descriptions are truncated when they are too long to fit in the combo box dropdown menu widget.

This makes the code table dropdown items unreadable.

New Investigation

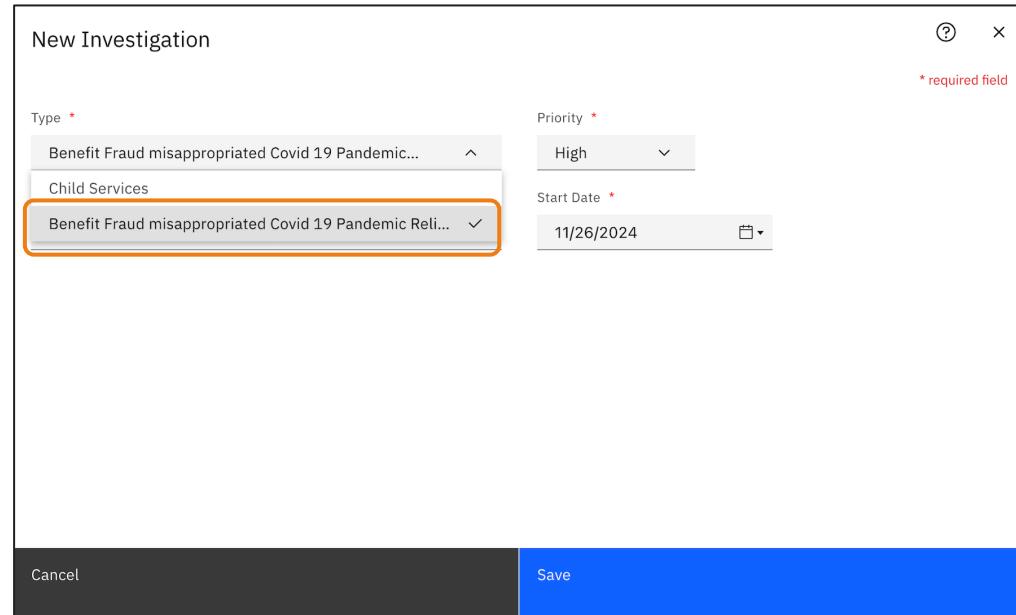
\* required field

Type *	Priority *
Benefit Fraud misappropriated Covid 19 Pandemic...	High
Child Services	
Benefit Fraud misappropriated Covid 19 Pandemic Reli...	

Start Date \*

11/26/2024

Cancel Save



Long code table descriptions are truncated, and the full details are not readable

### In 8.1.3

The code table dropdown menu items now display the entire code table descriptions for long text values. For long descriptions, the description text is wrapped rather than truncated.

#### Technical & Upgrade Considerations

- Updates were made to enable wrapping in Technical infrastructure related Code table hierarchy and Combo box dropdown components.
- If a client takes on 8.1.3.0, they will see the changes on all combo box and code table hierarchy dropdowns.
- If the client has customized the handling of code table hierarchy dropdowns, then the wrapping updates need to be taken into consideration in the customer code

New Investigation

Type \* Benefit Fraud misappropriated Covid 19 Pandemic R... Child Services

Priority \* High

Start Date \* 11/26/2024

Benefit Fraud misappropriated Covid 19 Pandemic Relief  
Funds in another jurisdiction

Cancel Save

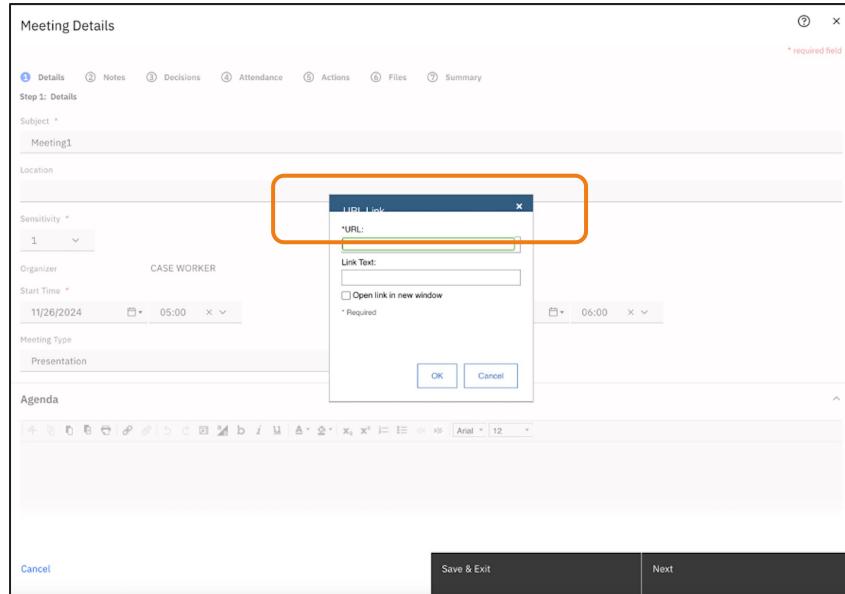
\* required field

The bottom of the  
Dialogs titles in Rich  
Text Editor are truncated

# The bottom of the Dialogs titles in Rich Text Editor are truncated

## Before 8.1.3

The bottom half of dialog titles in the Rich Text Editor are being truncated.



# The bottom of the Dialogs titles in Rich Text Editor are truncated

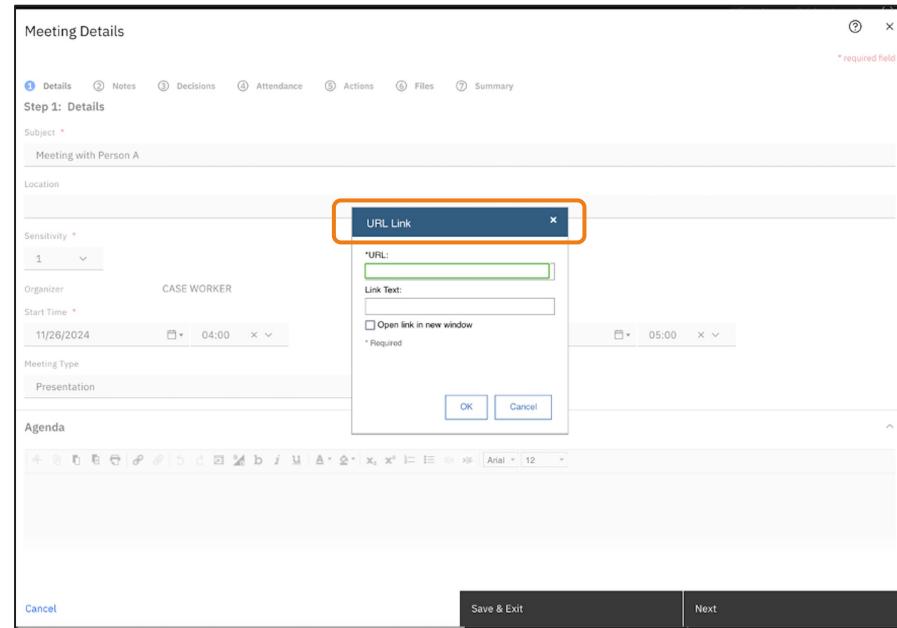
## In 8.1.3

The truncated issue has been fixed. All dialog titles in the Rich Text Editor now display correctly.

### Technical Considerations

Updates were made to the following files in **CEFWidgets repository**:

1. components/CEFWidgets/WebContent/cefwidgets/ckeditor\_settings/skins/curamv4/dialog.css
2. components/CEFWidgets/WebContent/cefwidgets/ckeditor\_settings/skins/curamv4/dialog\_gecko.css
3. components/CEFWidgets/WebContent/cefwidgets/ckeditor\_settings/skins/curamv4/dialog\_ie.css
4. components/CEFWidgets/WebContent/cefwidgets/ckeditor\_settings/skins/curamv4/dialog\_ie7.css
5. components/CEFWidgets/WebContent/cefwidgets/ckeditor\_settings/skins/curamv4/dialog\_ie8.css
6. components/CEFWidgets/WebContent/cefwidgets/ckeditor\_settings/skins/curamv4/dialog\_ie9.css
7. components/CEFWidgets/WebContent/cefwidgets/ckeditor\_settings/skins/curamv4/dialog\_iequirks.css
8. components/CEFWidgets/WebContent/cefwidgets/ckeditor\_settings/skins/curamv4/dialog\_opera.css



The tooltips displaying phone and fax number field labels are not accessible for keyboard or mobile users

The tooltips displaying phone and fax number field labels are not accessible for keyboard or mobile users

### Before 8.1.3

Phone and fax number input fields contain no visible labels for the individual fields that represent the different components that make up the phone or fax number, for example, a phone number's country code or the area code.

Currently, the field labels are only visible via tooltips.

New User

\* required field

Title	Mr.	First Name *
Last Name *	Location *	
User Default Locale	Sensitivity *	
English	1	

Contact

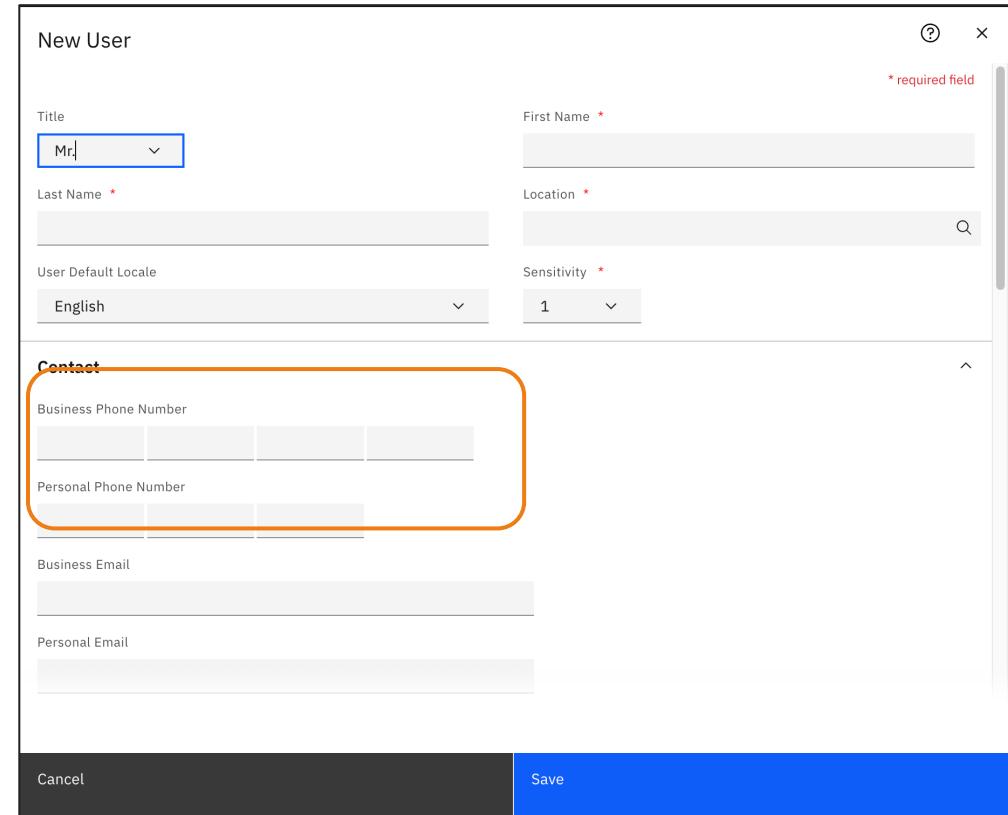
Business Phone Number

Personal Phone Number

Business Email

Personal Email

Cancel Save



The tooltips displaying phone and fax number field labels are not accessible for keyboard or mobile users

### In 8.1.3

The labels for the individual input fields that make up a phone or fax number are now visibly displayed on the page.

New User

Title Mr

Last Name \*

User Default Locale English

First Name \*

Location \* Q

Sensitivity \* 1

Contact

Business Phone Number

Country Code	Area Code	Number	Extension
<span style="border: 1px solid #ccc; width: 50px; height: 25px;"></span>	<span style="border: 1px solid #ccc; width: 50px; height: 25px;"></span>	<span style="border: 1px solid #ccc; width: 50px; height: 25px;"></span>	<span style="border: 1px solid #ccc; width: 50px; height: 25px;"></span>

Personal Phone Number

Country Code	Area Code	Number
<span style="border: 1px solid #ccc; width: 50px; height: 25px;"></span>	<span style="border: 1px solid #ccc; width: 50px; height: 25px;"></span>	<span style="border: 1px solid #ccc; width: 50px; height: 25px;"></span>

Business Email

Personal Email

Cancel Save

# Technical & Upgrade Considerations

## Technical Considerations

A new UIM attribute called SHOW LABELS has been added for CONTAINER elements to support this for phone or fax number input fields.

The SHOW LABELS attribute default value is 'false', so SHOW LABELS="true" must be set on the phone or fax number CONTAINER element to display the input field labels, if LABEL attributes have been configured for the CONTAINER's child FIELD elements.

For more information on this new attribute, please see the CONTAINER element documentation in the UIM pages and views reference section in the *Cúram WebClient Reference Manual*.

## Upgrade Considerations

- If your custom UIM pages contain CONTAINER elements which represent a Phone or Fax number input field and you would like fields within those containers to display individual labels which the OOTB UIM pages now display, then you are affected by this change.
- The changes in HTML may impact JavaScript or CSS customisations and you may need to update them based on the new input CONTAINER HTML structure.
- The new HTML structure will apply for any CONTAINER element which has at least one child input FIELD element.
- It does not apply to CONTAINER elements which have read-only FIELDS only.

For more information, please see the *Cúram Upgrade Guide*

Buttons rendered as  
Links but styled as  
buttons cannot be  
activated by the Space  
key

# Buttons rendered as Links but styled as buttons cannot be activated by the Space key - Cluster Level Actions

## *Before 8.1.3*

The Search and Reset controls are links styled like buttons. Screen readers handle links differently than buttons.

While both links and buttons can be tabbed, pressing the Space or Enter key triggers a button, whereas pressing the Enter key only triggers a link.

This behavior may confuse users of assistive technology, as the expected behavior differs from the actual behavior.

## *In 8.1.3*

Both the Enter and Space keys can now invoke the functionality of a button.

This change is applied to Cluster Level Actions

# Technical & Upgrade Considerations

## Technical Considerations

- The ACTION CONTROL element, which resides within the CLUSTER/ACTION SET and LIST/ACTION SET components, is now displayed as a button.
- References to the specific positioning classes (right-corner, left-corner, middle) are no longer used.
- This functionality can be disabled by accessing the system administration settings, navigating to application properties, and setting the ‘curam.temp.cluster.list.buttons.enable’ property to ‘false’.
- For more information on this new functionality, please see the Updated Button Functionality in the Application Configuration section in the Cúram Webclient Reference Manual.

## Upgrade Considerations

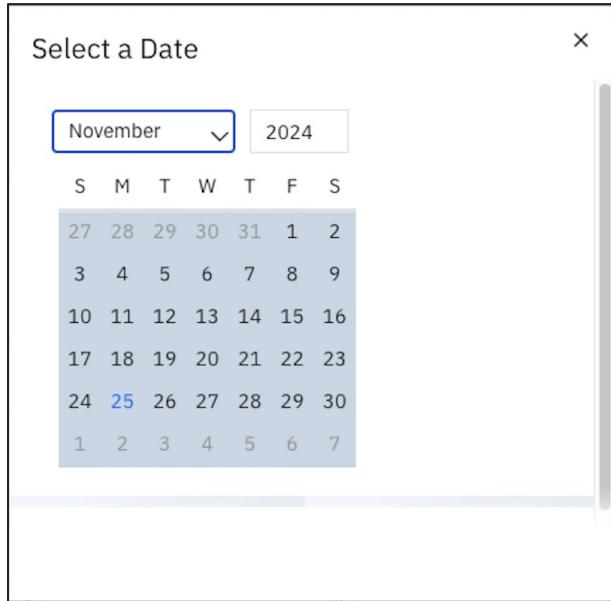
- If you have custom pages which contain list and/or cluster buttons, then you are affected by this change.
- The Cúram user interface has been updated, and the underlying HTML structure of some components has changed.
- The changes in HTML may impact JavaScript or CSS customizations.
- For more information on how this change might impact customizations, see the Cúram Upgrade Guide.

Calendar fails the  
minimum color contrast  
requirement

# Calendar fails the minimum color contrast requirement

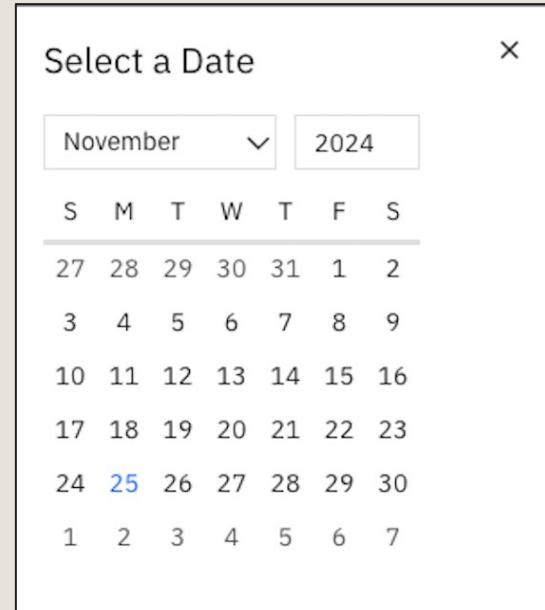
## *Before 8.1.3*

The current date in the Calendar date picker has insufficient contrast with the background color.



## *In 8.1.3*

The blue background color in the Calendar date picker has been removed. The background colour is now white.



Text Truncated and  
overlapped when  
Context Panel preview  
shown in a modal

# Text Truncated and overlapped when Context Panel preview shown in a modal

## Before 8.1.3

Long text values are truncated and overlapping on the context panel preview.

New Participant

① Details ② Potential Matches \* required field

Step 2: Potential Matches

Based on the information provided in the participant details screen, the following are potential matches. If one of the participants below is the same person as entered, select 'Exact'. If one or more of the participants below might be the same person as entered, select 'Probable'. If none of the participants below is the same person as entered, then select 'Finish'.

Exact or Probable	Name	Gender	Date of Birth	Address
-Select-	Bartholomew Friedrichson Wolfschlegelsteinhausenbergerdorff - Brandenburg	Male	01/01/1990	23452 -23, Bellefontaine Neighbors Road, Norwood-Young America, Southern UTE Indian Reservation, Beaver County, District of Columbia, 67866

 Bartholomew Friedrichson Augustine Wolfschlegelsteinhausenbergerdorff - Brandenburg  
23452 -23, Bellefontaine Neighbors Road, Norwood-Young America, Southern UTE Indian Reservation, District of Columbi... [Map](#) 30000003  
Male  
34 years

No Intake cases  
No Investigation cases  
No Ongoing cases

Cancel Back Finish

# Text Truncated and overlapped when Context Panel preview shown in a modal

## In 8.1.3

Field labels and values no longer overlap on the context panel.

Long values such as 'Name' and 'Address' now wrap in the context panel.

## Technical Considerations

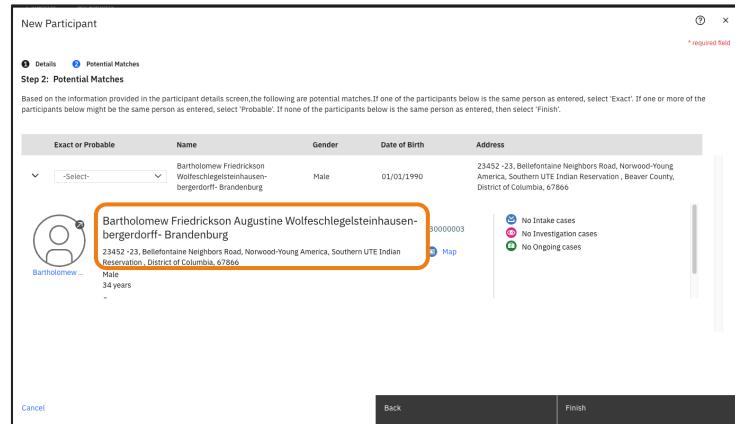
Updates were made to the following files in **CEFWidgets repository**

1. /cefwidgets/CEFWidgets/webclient/components/CEFWidgets/css/PersonDetailsPanel.css
2. /cefwidgets/CEFWidgets/webclient/components/CEFWidgets/css/tab-content.css
3. /cefwidgets/CEFWidgets/webclient/components/CEFWidgets/css/tab-details.css
4. /cefwidgets/CEFWidgets/webclient/components/CEFWidgets/css/links-panel.css

Updates were made to the following files in **CFSS repository**

These changes are specific only to the CFSS repo and CFSS pages.

1. /cfss/CFSS/webclient/components/ChildServices/css/cfss-PersonDetailsPanel.css
2. /cfss/CFSS/webclient/components/ChildServices/css/cfss-inline-context-panel-expanded-row.css
3. /cfss/CFSS/webclient/components/ChildServices/css/cfss-inline-context-panel-expanded-row-rtl.css
4. /cfss/CFSS/webclient/components/ChildServices/css/ccscontentpanel.css
5. /cfss/CFSS/webclient/components/ChildServices/css/CCSParticipantContextPanel.css

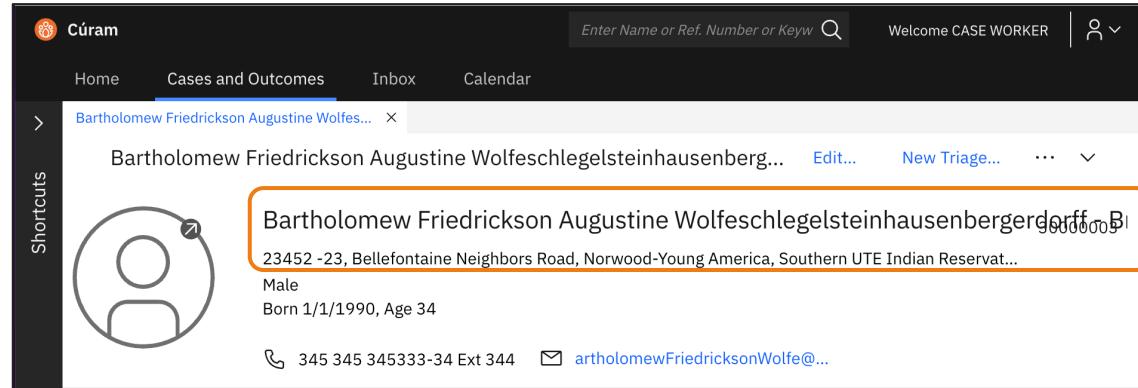


Content overlaps and  
is truncated on the  
Person Context panel  
when viewed zoomed  
to 200%

Content overlaps and is truncated on the Person Context panel when viewed zoomed to 200%

### **Before 8.1.3**

When viewing the Context panel for a person with a long address at 200% zoom, fields are overlapping and values are truncated making it more difficult to read.



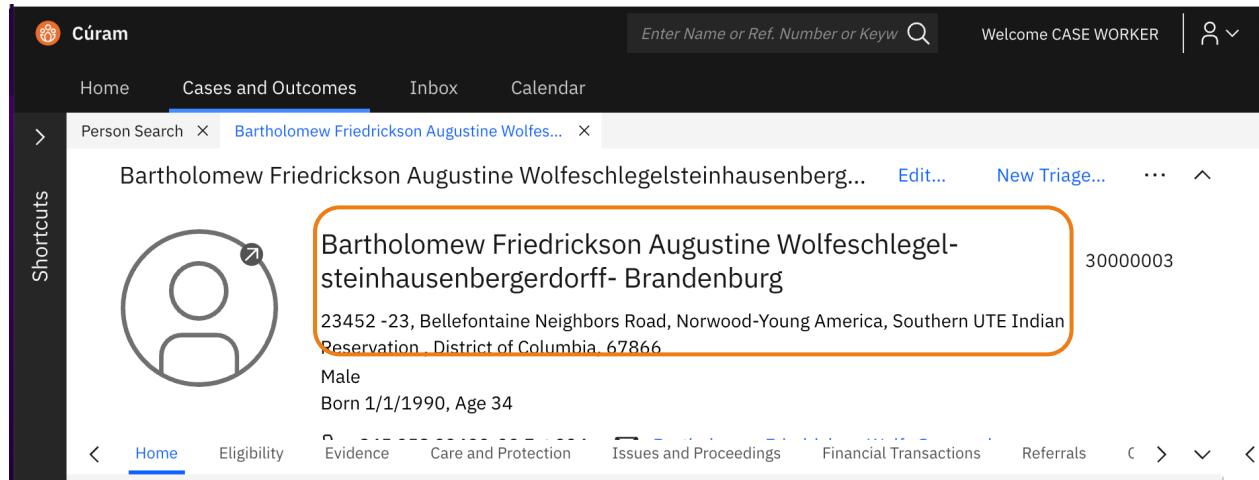
The screenshot shows the Cúram software interface. At the top, there is a navigation bar with links for Home, Cases and Outcomes, Inbox, and Calendar. A search bar is located in the top right corner. Below the navigation bar, a breadcrumb trail shows the path: Home > Bartholomew Friedrichson Augustine Wolfe... . The main content area displays a person's profile picture and basic information: Name (Bartholomew Friedrichson Augustine Wolfe), Address (23452 -23, Bellefontaine Neighbors Road, Norwood-Young America, Southern UTE Indian Reservation, CO, USA), Gender (Male), and Date of Birth (Born 1/1/1990, Age 34). Below this information, there are contact details: a phone number (345 345 345333-34 Ext 344) and an email address (bartholomewFriedrichsonWolfe@...).

Content overlaps and is truncated on the Person Context panel when viewed zoomed to 200%

### In 8.1.3

The person detail fields such as name, address, age and email are wrapped to the next line so that the full details are readable when viewed using zoom.

This is specific to only **Person Context Panel**.



Bartholomew Friedrichson Augustine Wolfeschlegelsteinhausenberg... Edit... New Triage... ... ^

Bartholomew Friedrichson Augustine Wolfeschlegelsteinhausenbergerdorff- Brandenburg  
30000003

23452 -23, Bellefontaine Neighbors Road, Norwood-Young America, Southern UTE Indian Reservation District of Columbia. 67866

Male  
Born 1/1/1990, Age 34

Home Eligibility Evidence Care and Protection Issues and Proceedings Financial Transactions Referrals

### Technical Considerations

Updates were made to the following files in CEFWidgets and CFSS repository

- CFSS/webclient/components/ChildServices/css/cfss-PersonDetailsPanel.css
- CEFWidgets/webclient/components/CEFWidgets/css/PersonDetailsPanel.css

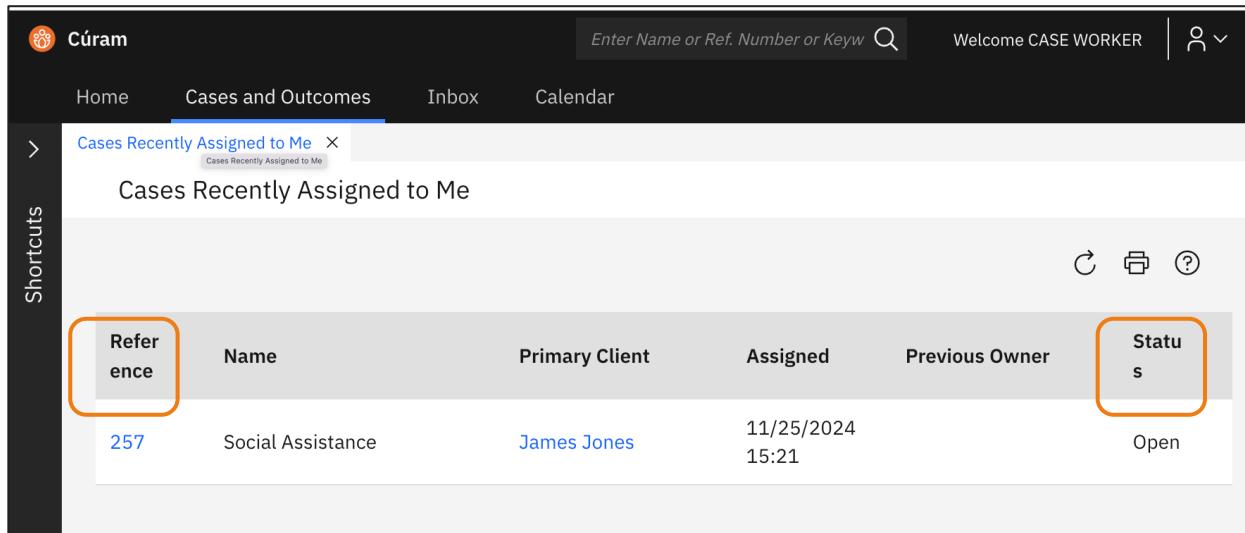
List tables without actions menus are breaking words and not scrolling horizontally when zoomed

# List tables without actions menus are breaking words and not scrolling horizontally when zoomed

## Before 8.1.3

When inline action menus for lists are enabled, list tables without action menus do not use auto layout. As a result, they do not scroll horizontally when there isn't enough space, such as when zooming.

Instead, words break to fit within the available space, making the table headers more difficult to read.



The screenshot shows the Cúram software interface. At the top, there is a navigation bar with links for Home, Cases and Outcomes (which is currently selected), Inbox, and Calendar. A search bar and a welcome message for 'CASE WORKER' are also present. On the left, a sidebar titled 'Shortcuts' contains a link to 'Cases Recently Assigned to Me'. The main content area displays a table titled 'Cases Recently Assigned to Me'. The table has the following columns: Reference, Name, Primary Client, Assigned, Previous Owner, and Status. The 'Reference' and 'Status' columns are highlighted with orange boxes. The table shows one row of data: Reference 257, Name Social Assistance, Primary Client James Jones, Assigned 11/25/2024 15:21, Previous Owner (empty), and Status Open.

Reference	Name	Primary Client	Assigned	Previous Owner	Status
257	Social Assistance	James Jones	11/25/2024 15:21		Open

# List tables without actions menus are breaking words and not scrolling horizontally when zoomed

## In 8.1.3

Auto layout has been applied to all lists, and column headers now scroll horizontally when there isn't enough space to display the content within the table.

The screenshot shows the Cúram software interface. At the top, there is a navigation bar with links for Home, Cases and Outcomes (which is the active tab), Inbox, and Calendar. A search bar is located at the top right. Below the navigation bar, a breadcrumb trail shows the user is in 'Cases Recently Assigned to Me'. The main content area displays a table titled 'Cases Recently Assigned to Me'. The table has columns: Reference, Name, Primary Client, Assigned, Previous Owner, and Status. The 'Status' column header is highlighted with an orange border. The table contains one row with data: Reference 257, Name Social Assistance, Primary Client James Jones, Assigned 11/25/2024 15:21, Previous Owner (empty), and Status Open. The 'Status' column header is also highlighted with an orange border. The entire table is contained within a scrollable container.

Previously we had a condition that checked if the Display Inline Actions is enabled, if enabled then the Auto Layout is applied.

In 8.1.3.0, Auto Layout is applied to all lists regardless of whether Display Inline Actions is enabled or not.

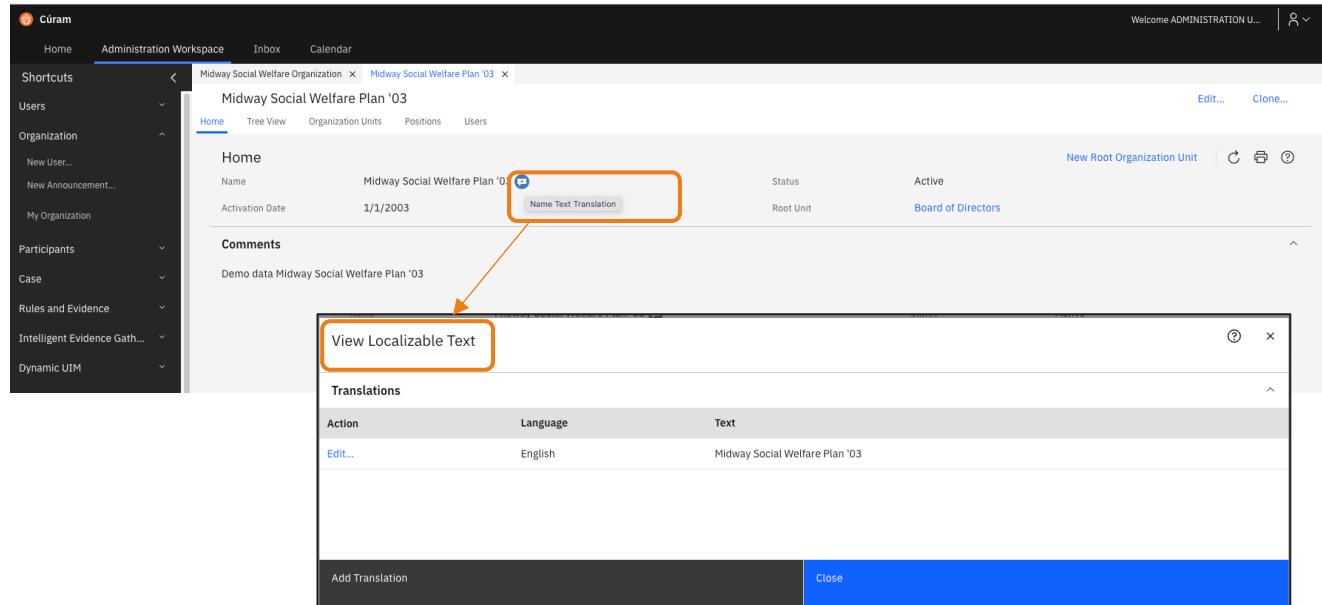
As a result, the ability to turn off the auto layout mode has also been removed.

Button labels used to launch certain dialogs do not match the dialog headings

# Button labels used to launch certain dialogs do not match the dialog headings

## Before 8.1.3

The button labels used to launch certain dialogs do not match the dialog headings, which can cause confusion when navigating the application.



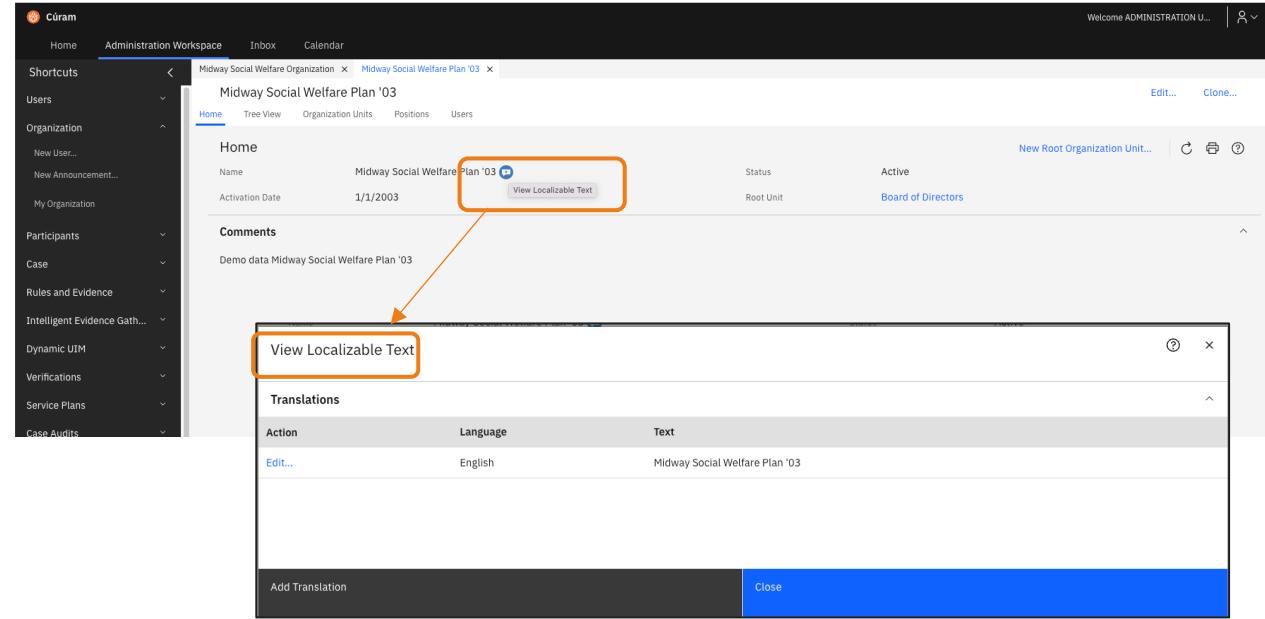
# Button labels used to launch certain dialogs do not match the dialog headings

## In 8.1.3

The link text in the associated properties file for each affected UIM page was updated to match the title of the page that it opens i.e. "View Localizable Text"

This pattern occurs in multiple places throughout the administration application.

The following areas have also been updated: Organization, Quick Links, Delivery Patterns, Milestones, Outcome Management and Universal Access.

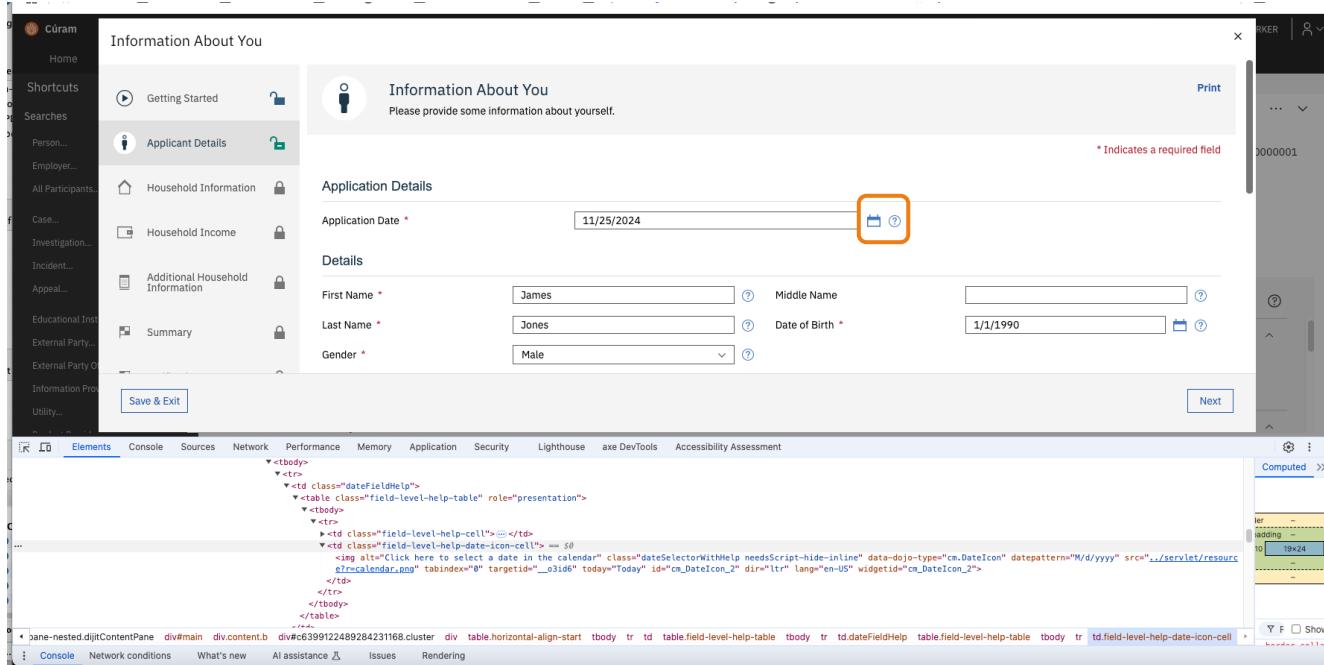


Focus not visible  
when Calendar icon in  
IEG receives the focus

# Focus not visible when Calendar icon in IEG receives the focus

## Before 8.1.3

The focus indicator is not visible when the calendar icon in IEG receives focus.



A screenshot of the Curam Information About You page. The page title is "Information About You". On the left, there's a sidebar with various tabs like "Getting Started", "Applicant Details" (which is selected), "Household Information", "Household Income", "Additional Household Information", "Summary", and "Save & Exit". The main content area has sections for "Application Details" and "Details". In the "Application Details" section, there's a field for "Application Date" with a value of "11/25/2024" and a calendar icon to its right. This calendar icon is highlighted with an orange box. Below it, there's a "Details" section with fields for First Name (James), Middle Name, Last Name (Jones), Date of Birth (1/1/1990), and Gender (Male). A "Print" button is in the top right, and a "Next" button is at the bottom right. The bottom of the screen shows the browser's developer tools with the "Elements" tab selected, displaying the HTML structure of the page, including the date input field and its associated calendar icon.

# Focus not visible when Calendar icon in IEG receives the focus

## In 8.1.3

A button element has been added to contain the calendar icon, and the focus is now visible.

The screenshot shows the 'Information About You' form in the Curam application. A date input field containing '11/25/2024' is highlighted with an orange box. The developer tools DevTools panel is open at the bottom, showing the HTML structure of the page. The date input field is wrapped in a button element with an aria-label attribute.

```
<table class="field-level-help-table"><tr><td class="field-level-help-date-icon-cell"><img alt="Calendar icon" data-bbox="354 451 368 465" title="Select a date" type="button"/></td></tr></table>
```

## Technical Considerations

- Used a button element and provided a title attribute and aria-label on the button. Reused the text from the img alt attribute: "Select a date".
- The title attribute is for sighted users, the aria-label is for screen readers/assistive technology.

## Files updated to make this change:

- EJBServer/components/IntelligentEvidenceGathering/data/initial/blob/ieg-config.properties
- EJBServer/components/IntelligentEvidenceGathering/data/initial/blob/ieg-css-template.css

## New text added to the properties file: calendar.button.title=Select a date

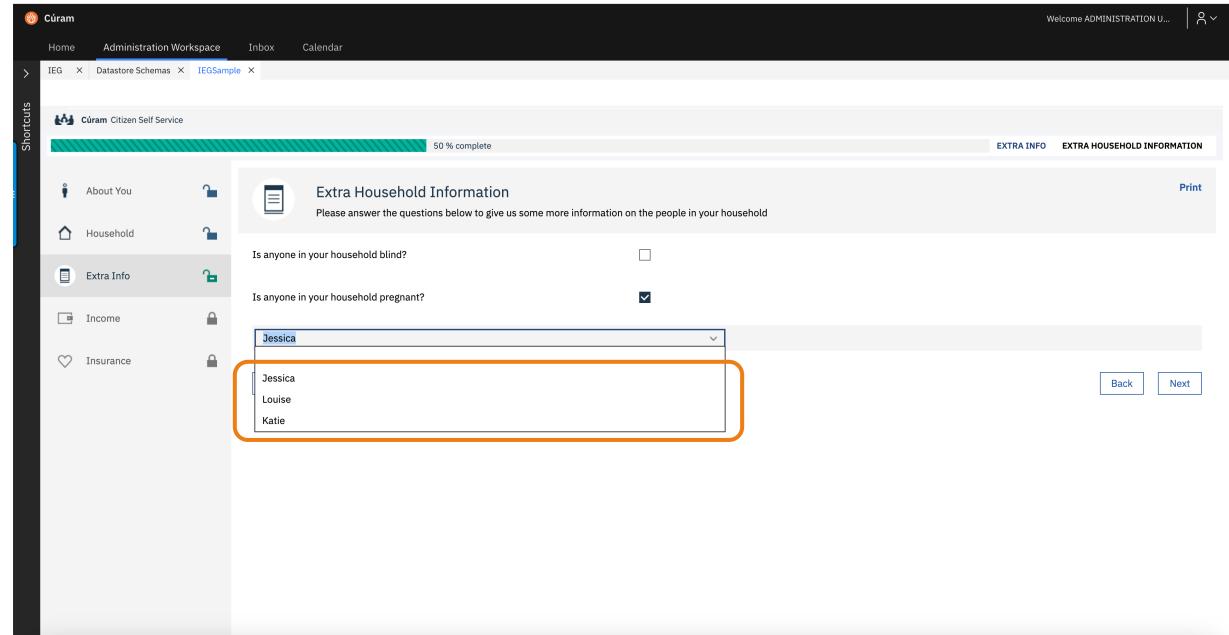
EJBServer/components/IntelligentEvidenceGathering/data/initial/blob/ieg-config.properties

The focus marker is not displayed for the options of a single-select IEG List question which is displayed as a dropdown

The focus marker is not displayed for the options of a single-select IEG List question which is displayed as a dropdown

### Before 8.1.3

The focus indicator is not displayed for keyboard users when navigating through the options of a single-select Intelligent Evidence Gathering (IEG) list question displayed as a dropdown menu.



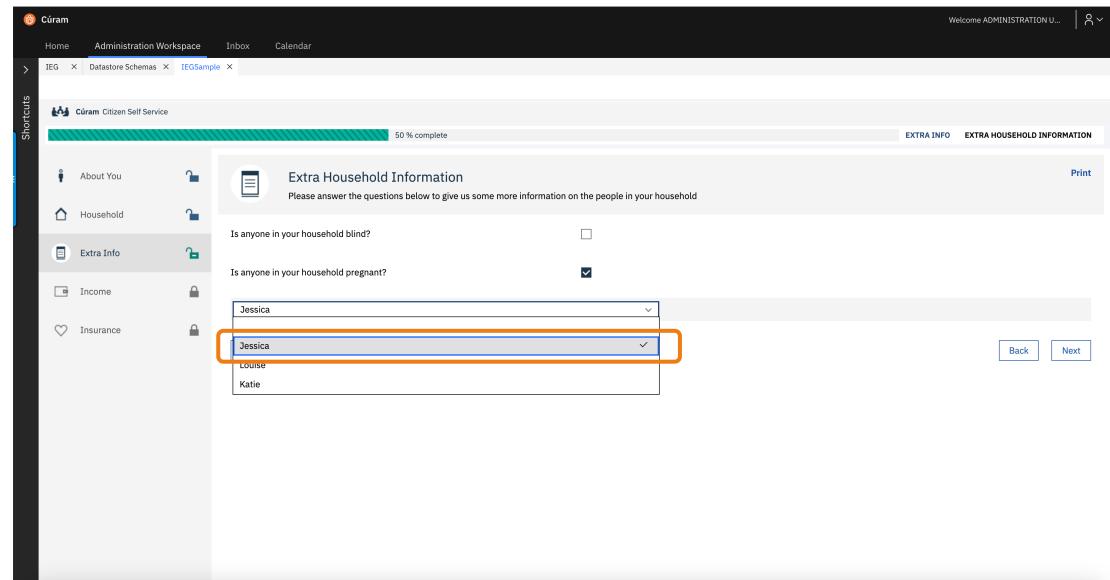
The focus marker is not displayed for the options of a single-select IEG List question which is displayed as a dropdown

### In 8.1.3

The focus indicator is now displayed for keyboard users when navigating through the options of a single-select IEG list question displayed as a dropdown menu.

### Technical Considerations

The IEG list question single select dropdown is now configured to use the filter and sort feature for dropdown menus when it has been enabled in Cúram.

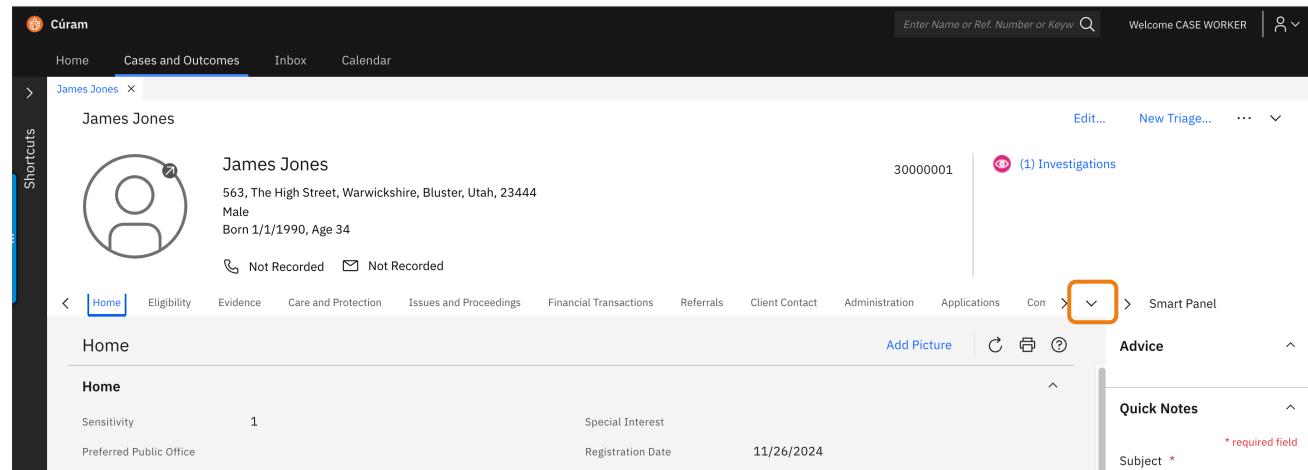


Focus is not shown  
when the user navigates  
to the navigation menu  
in the content area  
navigation bar

# Focus is not shown when the user navigates to the navigation menu in the content area navigation bar

## Before 8.1.3

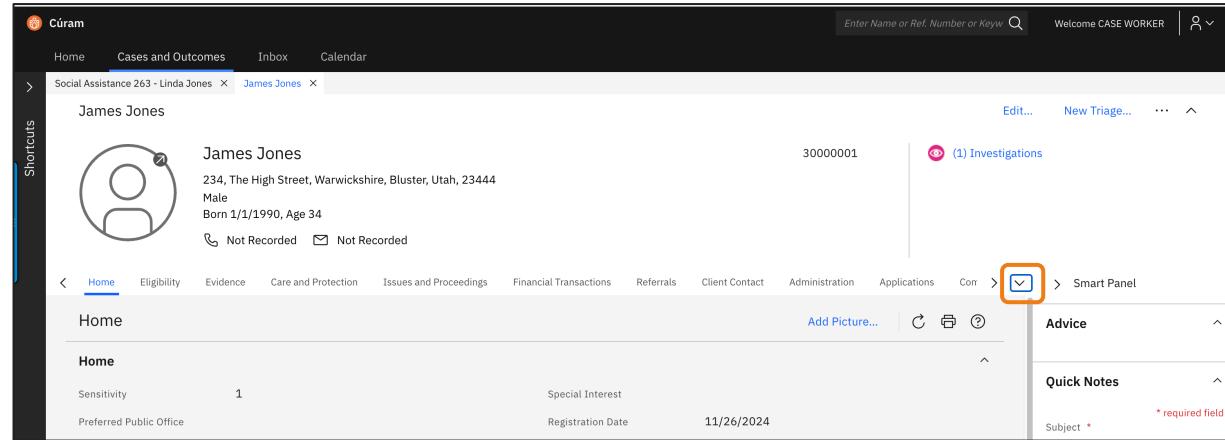
The focus is not visible when the user navigates to the navigation menu button in the content area navigation bar.



# Focus is not shown when the user navigates to the navigation menu in the content area navigation bar

## In 8.1.3

The focus now properly moves to the navigation menu button, making it visible.



## Technical & Upgrade Considerations

The following file in the *TI* repository has been updated:

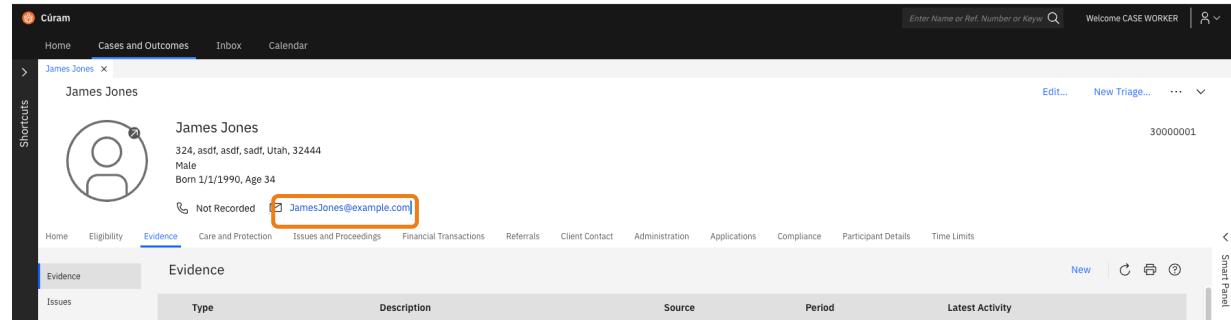
TI/client/CoreInf/CuramCDEJ/lib/curam/web/themes/curam/css/curam\_navigation\_tabs.css

Focus is not shown clearly when the user navigates to email on the person context panel

# Focus is not shown clearly when the user navigates to email on the person context panel

## Before 8.1.3

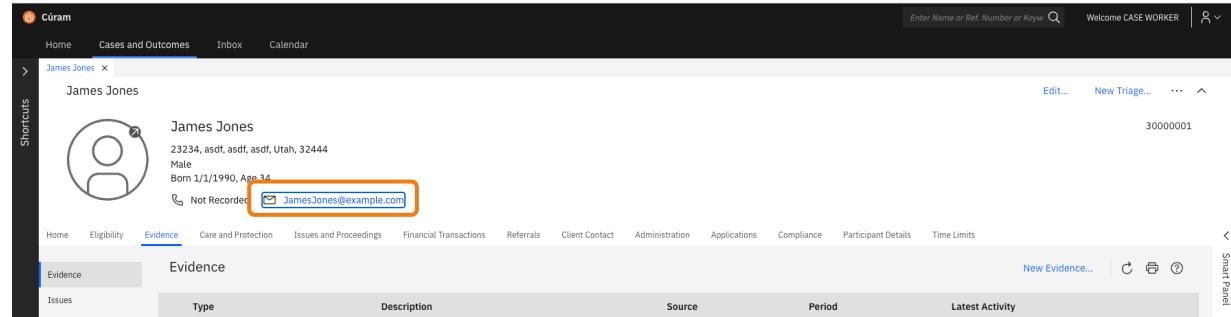
The focus is not visible when the user navigates to the email content in the person context panel using a keyboard.



The screenshot shows the Cúram software interface. At the top, there's a navigation bar with 'Home', 'Cases and Outcomes' (which is the active tab), 'Inbox', and 'Calendar'. On the right side of the header, there's a search bar 'Enter Name or Ref. Number or Key#', a 'Welcome CASE WORKER' message, and a user icon. Below the header, a sidebar on the left lists 'Shortcuts' and 'James Jones'. The main content area displays 'James Jones' details: address (324, asdf, asdf, asdf, Utah, 32444), gender (Male), and birth date (Born 1/1/1990, Age 34). A note says 'Not Recorded' next to an envelope icon. Below this, an email input field contains 'JamesJones@example.com', which is not highlighted. The 'Evidence' tab is currently selected. At the bottom, there's a table with columns 'Type', 'Description', 'Source', 'Period', and 'Latest Activity'. On the far right of the interface, there are several icons for navigation and actions.

## In 8.1.3

The focus now moves to the email link on the person context panel and is fully visible.



This screenshot is identical to the one above, showing the Cúram software interface for the 'Evidence' tab of 'James Jones'. The email address 'JamesJones@example.com' is now clearly visible and appears to be the active focus point, likely due to a keyboard navigation action. The rest of the interface remains the same, including the person details and the table at the bottom.

CÚRAM - ACCESSIBILITY

# Visualization of Reserved Tasks

# Visualization of Reserved Tasks

## Before 8.1.3

- Previously the first column on task list pages was not accessible.
- The column displayed visual indicator but no visible column name that described the purpose of the column to accessible users.
- The column content displayed an orange icon to indicate the task was reserved and an invisible icon for an unreserved task but no legend/inline text that explained the actual meaning.

Social Assistance - Ann Jones

Task ID	Subject	Priority	Status	Deadline
256	Task for superuser	Medium	Open	
257	Task for caseworker	Medium	Open	

# Visualization of Reserved Tasks

## In 8.1.3

Caseworkers are now able to see at first glance which tasks are reserved and by which user.

The Task list pages now include a new column titled 'Worked on By'. If the column is populated with a username, this indicates that the task is reserved and which user the task is reserved to.

The screenshot shows the Cúram software interface. On the left is a navigation sidebar with various menu items like Home, Cases and Outcomes, Inbox, and Calendar. The main area is titled "Social Assistance - Ann Jones". It displays a profile picture of Ann Jones, her name, age (44 years), and status (Primary). Below this is a "Tasks" section with a table. The table has columns: Task ID, Subject, Priority, Status, Worked on By, and Deadline. Two tasks are listed: Task ID 256 (Subject: Task for superuser, Priority: Medium, Status: Open, Worked on By: SUPER USER) and Task ID 257 (Subject: Task for caseworker, Priority: Medium, Status: Open, Worked on By: SUPER USER). A red box highlights the "Worked on By" column.

Task ID	Subject	Priority	Status	Worked on By	Deadline
256	Task for superuser	Medium	Open	SUPER USER	
257	Task for caseworker	Medium	Open		

Clicking on the 'Worked on By' name will provide additional user details.

A modal window titled "User Details" is shown. It contains two sections: "User Details" and "Contact Details". In the "User Details" section, it shows First Name: SUPER, Last Name: USER, Role: SUPERROLE, and Status: Active. In the "Contact Details" section, it shows Business Phone, Personal Phone, Business Email, Personal Email, Mobile, Fax, and Pager. A red arrow points from the "Worked on By" cell in the table on the left to the "SUPER USER" entry in the "User Details" modal.

First Name	Last Name
SUPER	USER

Contact Details	
Business Phone	Personal Phone
Business Email	Personal Email
Mobile	Fax
Pager	

# Visualization of Reserved Tasks

## Technical Considerations

Updates were made to the following Task pages in Cúram:

Appeal\_listHearingCaseIssueTaskForIC

Appeal\_listHearingCaseTask

Appeal\_listJudicialReviewTaskForIC

Appeal\_listJudicialReviewTask

Appeal\_listJudicialReviewIssueTaskForIC

Appeal\_listHearingReviewTaskForIC

Appeal\_listHearingReviewTask

Appeal\_listHearingReviewIssueTaskForIC

Appeal\_listHearingCaseTaskForIC

DecisionAssistApplication\_listTaskNoCOC

DecisionAssistApplication\_listTaskNoCOCMultiSourceAC

DecisionAssistApplication\_listTaskNoCOCMultiSourceMC

DecisionAssistApplication\_listTaskNoCOCSingleSource

DecisionAssistApplication\_listTaskWithCOC

DefaultIC\_listTask

DefaultICEmployer\_listTask

DefaultICInformationProvider\_listTask

DefaultICMember\_listTask

DefaultICProduct\_listTask

DefaultICProductProvider\_listTask

DefaultICProspectPerson\_listTask

DefaultICRepresentative\_listTask

DefaultICServiceSupplier\_listTask

DefaultICUtility\_listTask

ICBenefitUnderPayment\_listTask

ICEmployer\_listTask

ICInformationProvider\_listTask

ICInvestigationSample\_listTask

ICMember\_listTask

ICPerson\_listTask

ICProductProvider\_listTask

ICProductSample\_listTask

ICProspectPerson\_listTask

ICRepresentative\_listTask

ICSample\_listTask

ICSampleSportingGrant\_listTask

ICServiceSupplier\_listTask

ICSportingGrantSample\_listTask

ICUtility\_listTask

ISP\_listTask

ISPEmployer\_listTask

ISPMember\_listTask

ISPPerson\_listTask

ISPProduct\_listTask

ISPRepresentative\_listTask

ISPServiceSupplier\_listTask

ISPUtility\_listTask

CCSAcquisition\_listMemberTask

CCSAcquisition\_listTask

CCSAcquisitionSubsidy\_listTask

CCSAcquisitionSubsidy\_memberListTask

CCSIintake\_listTask

CCSIntegratedCase\_listTask

CCSInvestigation\_listTask

CCSONGoing\_listMemberTask

LiabilityOverbilling\_listTask

LiabilitySample\_listTask

LIFCProduct\_listTask

LTCProduct\_listTask

MAMProduct\_listTask

PaymentCorrection\_listTask

PDBenefitUnderPayment\_listTask

IssueDelivery\_listTask

IssueDelivery\_listTaskForAppeal

LegalAction\_listTask

CYSIntegratedCase\_listMemberTask

CYSIntegratedCase\_listTask

ICBenefitUnderPayment\_listTask

ICEmployer\_listTask

ICInformationProvider\_listTask

ICInvestigationSample\_listTask

ICMember\_listTask

ICPerson\_listTask

ICProductProvider\_listTask

ICProductSample\_listTask

ICProspectPerson\_listTask

ICRepresentative\_listTask

ICSample\_listTask

ICSampleSportingGrant\_listTask

ICServiceSupplier\_listTask

ICSportingGrantSample\_listTask

ICUtility\_listTask

IncomeScreening\_listTask

IncomeSupportScreening\_listTask

InformationProvider\_listTask

InvestigationSample\_listTask

Person\_listTask

Person\_listTaskForDuplicate

ProductProvider\_listTask

ProspectEmployer\_listTask

ProspectPerson\_listTask

ProviderInvestigation\_listTask

RefugeeProduct\_listTask

Screening\_listTask

ServicePlanDelivery\_listTask

ServicePlanDelivery\_listTask

ServiceSupplier\_listTask

TBBCC\_listTask

Utility\_listTask

Employer\_listTask

ExternalParty\_listTask

Case\_ListTasks

BenefitSample\_listTask

BenefitSampleOverpayment\_listTask

CHIPPremiumsProduct\_listTask

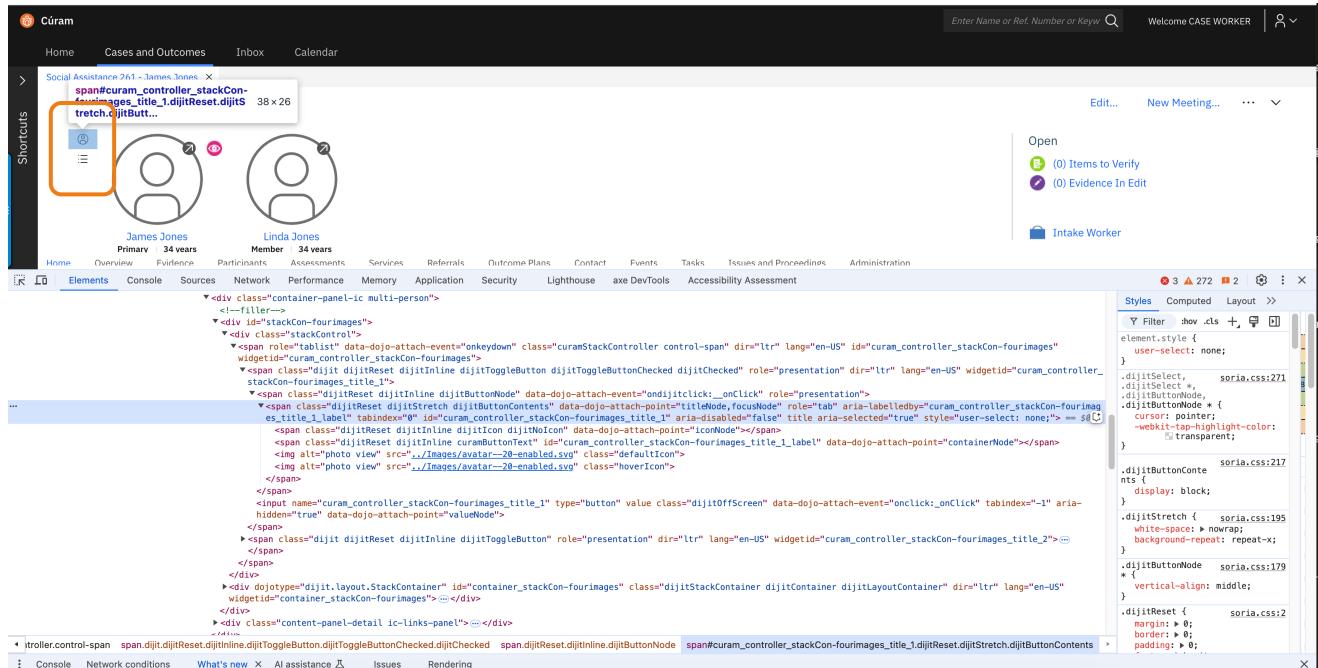
CHIPProduct\_listTask

No labels defined for  
Photo & List view tabs in  
context panel

# No labels defined for Photo & List view tabs in context panel

## Before 8.1.3

The Photo View and List View tabs in the context panel are missing property elements, which may cause accessibility issues.

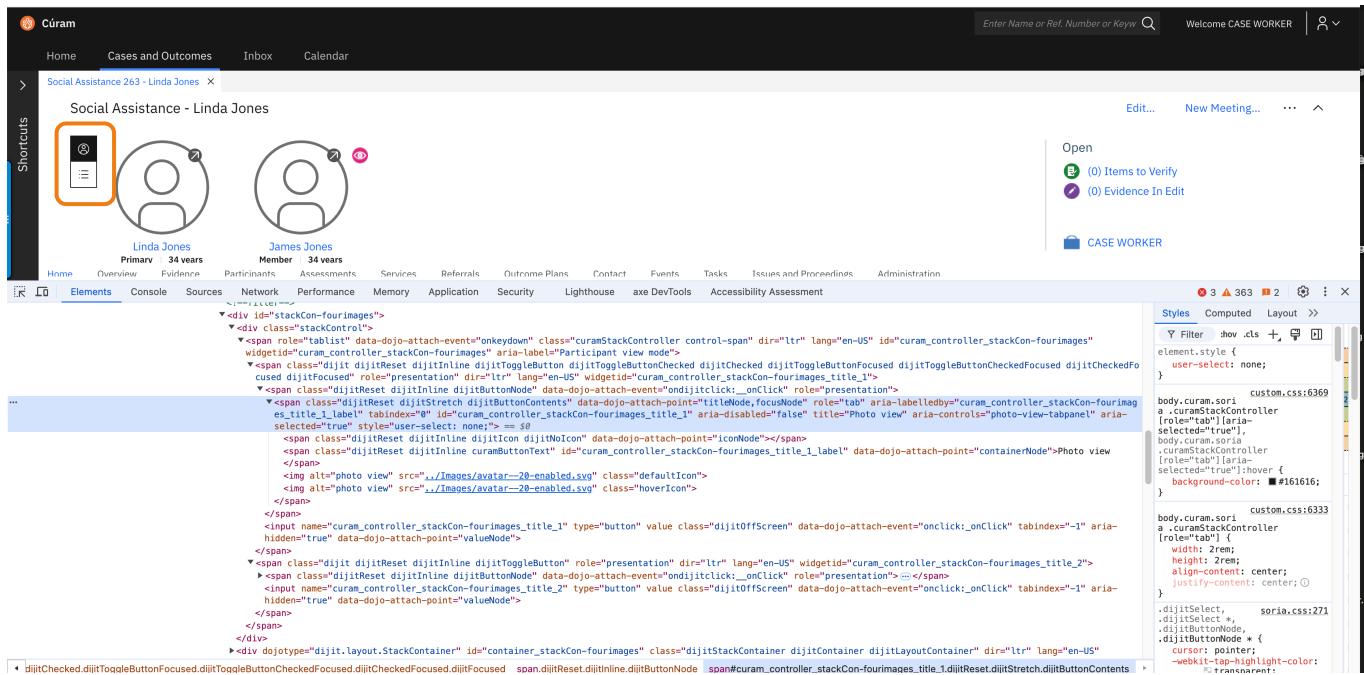


# No labels defined for Photo & List view tabs in context panel

## In 8.1.3

The Photo View and List View tabs in the context panel now contain property elements.

There is a visual indication of which tab is selected either Photo view or List View



# Technical & Upgrade Considerations

## Technical Considerations

An aria-controls property has been added for each element with a role tab, the 'aria-label' Participant view mode has been added, and there is now only one tabstop for the tablist  
Updates were made to the following files in TI, CEFWidgets, SPM-EntMods, HCR and CFSS repository

- (1) Ti/ component client-inf/jscript/javascript-properties/default/CuramStackController.js.properties (**NEW**)
- (2) CEFWidgets/webclient/components/CEFWidgets/css/stackContainer.css
- (3) CEFWidgets/webclient/components/CEFWidgets/css/IntegratedCase.css
- (4) SPM-EntMods/webclient/components/Appeal/css/appealhearing.css
- (5) SPM-EntMods/webclient/components/CommonIntake/css/ApplicationCaseContextPanel.css
- (6) SPM-EntMods/webclient/components/AssessmentPlanning/css/OutcomePlanContextPanel.css
- (7) HCR/webclient/components/ISProduct/css/StackContainerIC.css
- (8) HCR/webclient/components/ISProduct/css/cgiss-application-case.css
- (9) CFSS/webclient/components/ChildServices/css/cfss-IntegratedCase.css
- (10) CFSS/webclient/components/ChildServices/css/cfss-ongoing-case-context-panel.css

## Upgrade Considerations

Clients upgrading to 8.1.3.0 will notice changes that labels are defined for the Photo View and List View tabs in the context panel and there will be visual indication of which tab is selected either Photo view or List View.

# Improvements for screen reader users

# The following screen reader improvements are available in 8.1.3.0

Problem	Resolution	WCAG
1. IEG mandatory radio button and multi-select questions are not announced as mandatory by screen readers	The legend text for radio buttons and multi-select questions has been updated to append a mandatory indicator. This indicator will be announced by screen readers.	1.3.1
2. Screen reader reads Blank before reading Information text about no tabs opened when there are no tabs opened in a section	The screen reader now reads the information text present when no tabs are opened.	1.3.1
3. Links in Context Panel should be part of the list and each link should be a list item	The links in the context panel have been updated to be part of an unordered list (<ul>), with each link correctly displayed as a list item (<li>), this will allow screen reader users to navigate the application efficiently.	1.3.1
4. Screen reader announces invisible non-actionable elements *	The issue is resolved, the screen reader does not read the non-focused elements in the shortcuts panel when attention is shifted to a different element when all the tabs are closed on the workspace.	1.3.1
5. Screen reader does not announce Required Date fields as mandatory	All required date input fields are announced as mandatory in the same manner as text fields.	1.3.1
6. Graphical View Instance Data Details table is missing table header elements *	The previous cluster implementation, which used dl, dt, and dd tags, has now been replaced with a table implementation.	1.3.1
7. Screen reader not reading the legend text for check-boxes group on search pages	Legend text is present for all the affected searches, but the associated CSS class was 'hidden'. Updated this to unhide the class.	1.3.1
8. How to close Application tabs info not available for screen reader users and for keyboard users unless they read documentation	The close icon [X] on application tabs is now focusable. When the icon is selected, the screen reader announces the tab title correctly, and the close action can be activated by clicking Enter.	2.1.1

# The following screen reader improvements are available in 8.1.3.0

Problem	Resolution	WCAG
9. Heading structure in all modal windows and wizard modals within Cúram is incorrect	The heading structure in the Register Person modal window has been corrected. Now, 'Register Person' is properly displayed as a <code>&lt;h2&gt;</code> tag, and 'Step 2: Registration' is displayed as a <code>&lt;h3&gt;</code> tag, this will allow screen reader users to navigate the application more easily.	2.4.6
10. Label for expand/collapse context panel button is not meaningful and does not describe its purpose	The 'aria-label' has been updated to include the context. When the context panel is expanded, the screen reader announces 'Context Panel, button, expanded', and when it is collapsed, it announces 'Context Panel, button, collapsed'. Additionally, the tooltip shows 'Expand Context Panel' when the panel is collapsed and 'Collapse Context Panel' when the panel is expanded, providing clear visual feedback for sighted users.	2.4.6
11. Accessibility issues with the Search button in the Application Search	The screen reader now announces 'Search' for the input field and 'Search' when the search button is selected, the repetitive text has been removed. The underlying HTML has been updated to a button tag. This will assist screen reader users in navigating the search fields.	4.1.2
12. iFrames within expandable lists have empty title HTML attributes	The title attribute has been added to the iFrames, improving navigation for screen reader users.	4.1.2
13. Issue with the <code>aria-expanded="false"</code> attribute added to the div element	Two updates were made to address this issue: Removed the 'aria-expanded' attribute from the DropDownBox.html template for elements where <code>role="presentation"</code> is set. Modified the <code>openDropDown</code> and <code>closeDropDown</code> functions in FilteringSelect.js such that 'aria-expanded' is removed from <code>buttonNode</code> .	4.1.2

# The following screen reader improvements are available in 8.1.3.0

Problem	Resolution	WCAG
14. Empty <h1> Heading on Calendar page causing Accessibility violations	The properties file is updated to populate appropriate text and the accessibility violation has been resolved.	4.1.2
15. Screens with file upload widgets do not announce the name of the selected file when accessed by screen readers	The name of the selected file is now announced by the screen reader.	4.1.2
16. The shortcuts and smart panel buttons have a nested interactive control button *	The shortcuts and smart panel buttons now have one nested interactive control button.	4.1.2
17. Screen reader does not inform the impaired user when in-page navigation buttons are selected	The 'aria-pressed' attribute has been added to each in-page navigation button. The value of this attribute is set to true for the currently selected button and false for all other buttons. This improvement will make it easier for screen reader users to navigate the application.	4.1.2
18. The browse button label in Attachment dialogs has a generic description and doesn't clearly describe its purpose	A screen reader now announces the purpose of the Browse button, which is to upload a file.	4.1.2

For full details of each screen reader improvement, consult the External release notes

CÚRAM - ACCESSIBILITY

# Updated Icons

# The following Icons are updated and available in 8.1.3.0

<i><b>Icon</b></i>	<i><b>Resolution</b></i>
1. Reserved icon for a task	The icon has been removed and replaced by a new column titled 'Worked on by'.
2.Appealed Items & Appealed items awaiting approval icons on Appeal case context panel	The icons have been replaced and the accessibility checks and now passes the non-text contrast accessibility check
3.Ongoing Cases icon	The icon has been replaced and now passes the non-text contrast accessibility check
4.Expedited icon	The icon has been replaced and now passes the non-text contrast accessibility check
5.Successful & Unsuccessful icons in Outcome Plan workspace	The icons have been replaced and now passes the non-text contrast accessibility check
6.Income Support 'Federal Time Limit'/'days reaching limit' icon	The icon has been replaced and now passes the non-text contrast accessibility check
7.Todo tick icon on the income support application home page	The icon has been replaced and now passes the non-text contrast accessibility check

# Cúram Security Enhancements

Cúram 8.1.3 Enablement Material



SECURITY TEAM / TECHNICAL INFRASTRUCTURE

OpenID Connect (OIDC)  
Authentication Support and  
Enhancements to Cúram Login Module  
and SAML Authentication

# OIDC Authentication

## ***Business Problem:***

Customers aim to implement their own security strategies and require OIDC (OpenID Connect) support within the Cúram application, leveraging REST for secure access and authentication.

## ***Before:***

JAAS and SAML have previously served as the foundational security frameworks for access and authentication, they are not well suited for REST based architectures, which require more lightweight and flexible protocols..

## ***After:***

OIDC has been seamlessly integrated into our authentication framework and protocols, providing customers with greater flexibility and an expanded range of options to choose the most suitable security framework for their needs. Additionally, SAML SSO support has been enhanced to accommodate a broader array of Cúram authentication features.

# Technical Considerations

## ***What is provided?***

This enhancement has been added for IBM WebSphere Liberty

- OIDC support for REST-based B2B scenarios.
- Documentation for implementing REST B2B using the Resource Owner Password Credentials (ROPC) flow as a starting point and other options are configurable depending on customer security needs.
- Alternate Login ID support for both OIDC and SAML.
- Security cache population for OIDC and SAML flows.
- Population of the AuthenticationLog table for logins using OIDC and SAML.
- Comprehensive documentation for configuring IBM® WebSphere® Liberty with Keycloak as the OIDC provider (OP) and Identity Provider (IdP) for SAML

## ***Upgrade***

### ***What do you need to do?***

For more in-depth explanation of the details in this security enhancements please refer to the CuramSecurityHandbook for enhanced documentation on enabling OIDC and SAML for IBM WebSphere Liberty.

See the Tables in the following slides for supported authentication controls and features for each supported Curam Application Server.

## Table 1: IBM WebSphere Liberty Application Server Supported Authentication features

- JAAS, OIDC and SAML Supported for Cúram
- OIDC not supported yet on CE
- JAAS, OIDC and SAML Supported for REST
- AlternateLoginID, Security Cache and AuthenticationLog features supported

Application Server	Access Channel	Application	Authentication method	Supported/Tested Features
IBM WebSphere Liberty	Browser	Curam	SAMLSSO ✓	User verification ✓
				Alternate Login ID ✓
				Security Cache ✓
				Authentication Log ✓
		OIDC ✓	User verification ✓	User verification ✓
				Alternate Login ID ✓
				Security Cache ✓
				Authentication Log ✓
	CE	Basic (JAAS) ✓	All features ✓	All features ✓
			SAMLSSO ✓	User verification ✓
				Alternate Login ID ✓
				Security Cache ✓
		OIDC ✗	N/A	Authentication Log ✓
				All features ✓
				User verification ✓
	REST	REST Client	OIDC ✓	Alternate Login ID ✓
				Security Cache ✓
				Authentication Log ✓
		SAMLSSO ✓	User verification ✓	User verification ✓
				Alternate Login ID ✓
				Security Cache ✓
				Authentication Log ✓
			Basic (JAAS) ✓	All features ✓
				User verification ✓
	Flex Editors	Curam	SAMLSSO ✗	N/A
			OIDC ✗	N/A
			Basic (JAAS) ✓	All features ✓
		Soap WebServices	SAMLSSO ✗	N/A
			OIDC ✗	N/A
			Basic (JAAS) ✓	All features ✓

## IBM WebSphere Application Server Supported Authentication features

- JAAS, OIDC and SAML Supported for Cúram
- OIDC not supported yet on CE
- JAAS and SAML Supported for REST
- AlternateLoginID, Security Cache and AuthenticationLog features are not currently supported

Application Server	Access Channel	Application	Authentication method	Supported/Tested Features
IBM WebSphere	Browser	Cúram	SAMLSSO ✓	User verification ✓
				Alternate Login ID ✗
				Security Cache ✗
				Authentication Log ✗
		CE	OIDC ✓	User verification ✓
				Alternate Login ID ✗
				Security Cache ✗
				Authentication Log ✗
	REST Client	REST	Basic (JAAS) ✓	All features ✓
				User verification ✓
				Alternate Login ID ✗
				Security Cache ✗
	Flex Editors	Cúram	SAMLSSO ✗	Authentication Log ✗
				N/A
				All features ✓
	Soap WebServices	Cúram	SAMLSSO ✗	N/A
			OIDC ✗	N/A
			Basic (JAAS) ✓	All features ✓

**Table 3**  
**Oracle Weblogic Application Server**  
**Supported Authentication features**

- JAAS and SAML Supported for Cúram
- OIDC not supported/Tested
- JAAS and SAML Supported for REST
- AlternateLoginID, Security Cache and AuthenticationLog features are not currently supported

Application Server	Access Channel	Application	Authentication method	Supported/Tested Features
Oracle Weblogic	Browser	Cúram	SAMLSSO ✓	User verification ✓ Alternate Login ID ✗ Security Cache ✗ Authentication Log ✗
			OIDC ✗	N/A ✓
			Basic (JAAS) ✓	All features ✓
			SAMLSSO ✓	User verification ✓ Alternate Login ID ✗ Security Cache ✗ Authentication Log ✗
			OIDC ✗	N/A
			Basic (JAAS) ✓	All features ✓
	REST Client	REST	SAMLSSO ✓	User verification ✓ Alternate Login ID ✗ Security Cache ✗ Authentication Log ✗
			OIDC ✗	N/A
			Basic (JAAS) ✓	All features ✓
			SAMLSSO ✗	N/A
		Curam	OIDC ✗	N/A
			Basic (JAAS) ✓	All features ✓
	Flex Editors		SAMLSSO ✗	N/A
	Soap WebServices	OIDC ✗	N/A	
		Basic (JAAS) ✓	All features ✓	
	Curam	Curam	SAMLSSO ✗	N/A
			OIDC ✗	N/A
			Basic (JAAS) ✓	All features ✓

SECURITY TEAM / TECHNICAL INFRASTRUCTURE

## Extend the blackbox Curam Login Module

# Ability to extend blackbox CuramLoginModule

## ***Business Problem:***

Customers require the ability to dynamically add new users to their security configuration without necessitating a server restart, as restarts are impractical in typical production environments.

## ***Before:***

Previously, Cúram customers were required to restart their server to add a new user to the authentication security configuration.

## ***After:***

An enhancement has been implemented to eliminate the need for server restarts in production environments, providing support for SAML, OIDC, and the default JAAS authentication flow.

# Technical Considerations

## ***What is provided?***

This enhancement has been added for IBM WebSphere Liberty

An enhancement to the CuramLoginModule enables the dynamic population of newly added users in the Security Cache, eliminating the need for server restarts in production environments. This feature supports SAML, OIDC and the default JAAS authentication flow.

Dedicated authentication modules have been implemented for SAML and OIDC, providing a streamlined architecture that supports future enhancements.

\* Please refer to the CuramSecurityHandbook for enhanced documentation on CuramLoginModule and SAML/OIDC