

Cúram V8.2.0.0 Enhancements

Cúram 8.2 Enablement Material
July 2025

© 2025 Merative



Hello and welcome to this deep dive presentation that introduces the enhancements to Cúram that are available in 8.2.0.0

Agenda

- Overview of Cúram V8.2 Enhancements
- Accessibility Improvements and Updates
- Technical Security Enhancements
- Rich Text Editor Upgrades and Benefits
- Improvements in Installer and Modern Java Support
- Review of Deferred Tasks Functionality

Accessibility Improvements

© 2025 Mernative

3

There is new legislation both in the US and Canada designed to ensure that users with accessibility needs receive equal access to the systems available to them.

In the US, a new rule was finalized revising Title II of the Americans with Disabilities Act. The rule requires that US state and local governments make their websites and mobile applications accessible for people with disabilities and comes into effect in April 2026.

In Canada, there's the Accessible Canada Act (ACA) which came into force in 2019. The overarching goal of the ACA is to realize a barrier-free Canada by 2040. The legislation benefits all Canadians, especially persons with disabilities, through the proactive identification, removal and prevention of barriers to accessibility.

This section details the Accessibility Improvements now available in 8.2.0.0 in the Caseworker Application

Accessibility Improvements

Recent updates improve accessibility throughout the Cúram application. Enhancements include increased font size and weight for better readability, along with improved support for screen readers and keyboard navigation.

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

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

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.

The following sections of this enablement material details before and after screens and descriptions, where applicable.

In addition, you will also find some technical details regarding the improvement made and if any specific upgrade steps are required to take advantage of the improvements.

If a client has customized any of the pages mentioned in the technical details' sections, these changes will need to be taken into consideration in the client's code.

To read additional information about any of the improvements, refer to the External Release Notes.

List of Accessibility Improvements

1. The font size in the Cúram Caseworker application has been increased to improve readability.
2. Evidence Dashboard accessibility enhancements:
 - a. The button to add new evidence is now visible by default and no longer requires any user interaction to display.
 - b. Focus is returned to the Display Evidence Group dropdown field in the Evidence Dashboard when an option is selected, and the page reloads.
 - c. The colour contrast between text and background in the Display Evidence Group dropdown menu have been enhanced to meet contrast standards when items receive focus.
 - d. Evidence Dashboard screen reader improvements have been made.
3. Aria labels used to clear a selected field or open a drop-down menu now provide clearer, more descriptive context to assist users.
4. The Appeals Case column header now meets minimum color contrast requirements.
5. Focus outlines are now clearly visible when the error message receives focus.
6. Focus outlines are now clearly visible when navigating to the email address in the Employer context panel using a keyboard.
7. Focus is clearly visible when navigating filtered combo box values at 200% zoom.
8. Focus is clearly visible when user navigates to selected checkboxes and radio buttons in IEG.
9. Focus is shown when navigating through the options in the Month drop-down in the Calendar widget.
10. List tables with action menus now include a visible "Actions" column header for clarity.
11. Additional improvements for screen reader users.

List of Accessibility Improvements

1. The font size in the Cúram Caseworker application has been increased to improve readability.
2. Evidence Dashboard accessibility enhancements:
 - a. The button to add new evidence is now visible by default and no longer requires any user interaction to display.
 - b. Focus is returned to the Display Evidence Group dropdown field in the Evidence Dashboard when an option is selected, and the page reloads.
 - c. The colour contrast between text and background in the Display Evidence Group dropdown menu have been enhanced to meet contrast standards when items receive focus.
 - d. Evidence Dashboard screen reader improvements have been made.
3. Aria labels used to clear a selected field or open a drop-down menu now

provide clearer, more descriptive context to assist users..

4. The Appeals Case column header now meets minimum color contrast requirements.
5. Focus outlines are now clearly visible when the error message list receives focus.
6. Focus outlines are now clearly visible when navigating to the email address in the Employer context panel using a keyboard.
7. Focus is clearly visible when navigating filtered combo box values at 200% zoom.
8. Focus is clearly visible when user navigates to selected checkboxes and radio buttons in IEG.
9. Focus is shown when navigating through the options in the Month dropdown in the Calendar widget.
10. List tables with action menus now include a visible "Actions" column header for clarity.
11. Additional improvements for screen reader users .

CÚRAM - ACCESSIBILITY

Cúram caseworker application font size increase for improved readability

© 2025 Miravive

6

The font size in the Cúram Caseworker application has been increased to improve readability

Based on customer feedback, the font size in key areas of the caseworker application has been increased from 12px to 14px to improve readability. This update supports accessibility and aligns with design best practices.

Caseworker application font size increased to improve legibility

Summary of Changes

1. Increased the font size on read-only labels and input fields from 12 to 14 pixels.
2. Letter Spacing changed from 0.32 pixels to 0.16 pixels.
3. Increased the font size on the Shortcuts menu for sub-categories from 12 to 14 pixels.
4. Increased the font weight on the Shortcuts menu for categories to semi-bold (font-weight:600px).

These changes aim to improve legibility while minimizing the risk of text wrapping or truncation.

Note the increase in font size may affect the way content is displayed across the application.

Caseworker application font size increase to improve legibility.

Summary of Changes

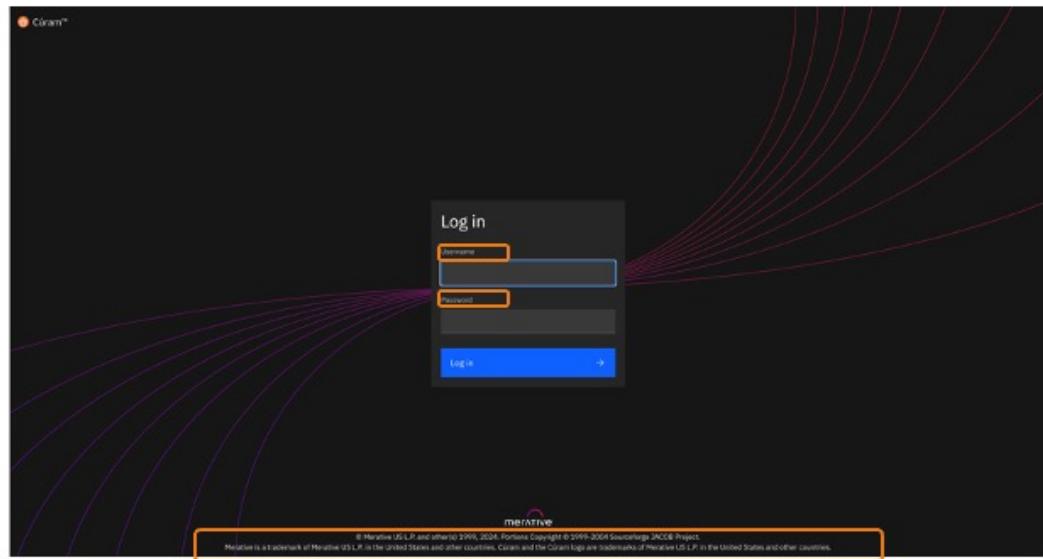
1. Increase the Font size on read-only labels and input field from 12 to 14 pixels
2. Increase the Font size on the Shortcuts menu for sub-categories from 12 to 14 pixels.
3. Increase the Font weight on the Shortcuts menu for categories to semi-bold (font-weight:600px).

These changes aim to improve legibility while minimizing the risk of text wrapping or truncation.

Note the increase in font size may affect the way content is displayed across the application.

Log in Page – before 8.2

Font size
for read-
only and
input label
font size is
12 pixels.



© 2025 Merative

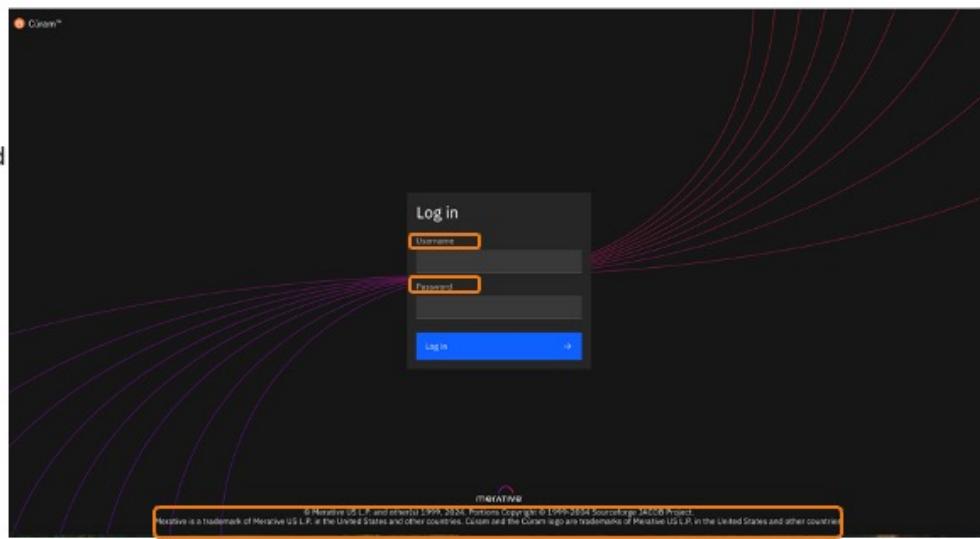
B

Log in page

Before 8.2, *Font size for read-only and input label font size 12 pixels.*

Log in Page – in 8.2

Font size for read-only and input label font size is increased to 14 pixels.



© 2025 Merative

9

Log in page

In 8.2 *Font size for read-only and input label font size increased to 14 pixels.*

About Box

Before 8.2

Font size 12 pixels

Curam

Version 8.1.3

© Merative US L.P. 1999, 2024 and by others. Portions Copyright © 1999-2004 SourceForge JACOOB Project. Merative and the Merative logo are trademarks of Merative US L.P. in the United States and other countries. Curam and the Curam logo are trademarks of Merative US L.P. in the United States and other countries. Other product and service marks mentioned herein may be trademarks and/or registered trademarks of their respective owners. All other brands and product names are trademarks of Merative US L.P. in the United States and other countries. By using this Program, you agree to the terms of the license that accompanies it. You can find this license agreement, identified as "License" or "Non_Merative_License", if applicable) in a Program directory folder or library or hardware booklet. Please read this agreement carefully before using the Program.

Release 8.1.3.0

In 8.2

Font size 14 pixels

Curam

Version 8.2

© Merative US L.P. 1999, 2025 and by others). Portions Copyright © 1999-2004 SourceForge JACOOB Project. Merative and the Merative logo are trademarks of Merative US L.P. In the United States and other countries, Curam and the Curam logo are trademarks of Merative US L.P. In the United States and other countries. Other product and service marks mentioned herein, other brands and/or service names, may be trademarks and/or registered trademarks of Merative US L.P. and/or other companies. Mac and Windows are trademarks of Microsoft Corporation in the United States and other countries. By using this Program, you agree to the terms of the license that accompanies it. You can find this license agreement, identified as "License" or "Non_Merative_License", if applicable) in a Program directory folder or library or hardware booklet. Please read this agreement carefully before using the Program.

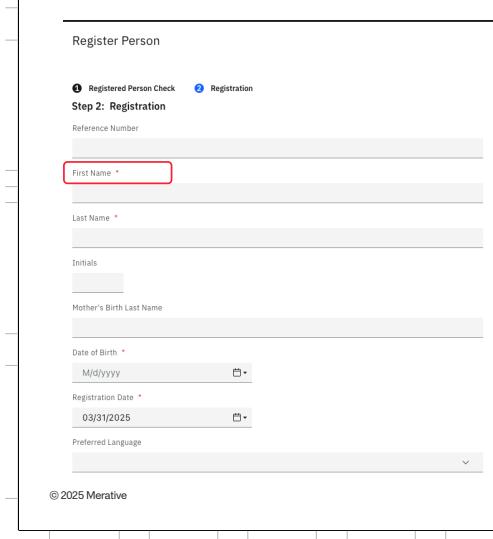
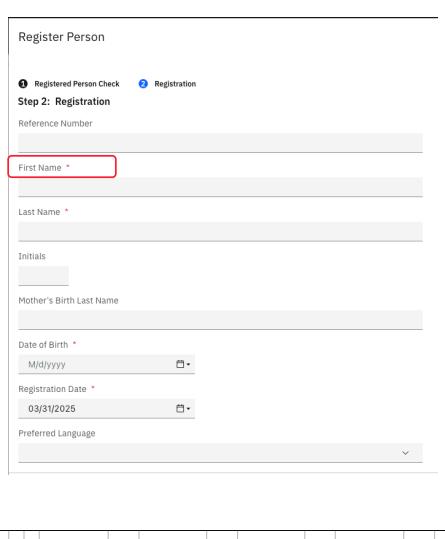
Release 8.2.0.0

© 2025 Merative

10

About Box

The font size on the About Box has been increased from 12 pixels to 14 pixels.

<p>Register Person Page</p> <p>Before 8.2</p> <p>Font size 12 pixels</p> 	<p>In 8.2</p> <p>Font size 14 pixels</p> 
---	---

Register Person Page

The font size on read-only labels and input fields has been increased from 12 to 14 pixels.

Case Details

Before 8.2
Font size 12 pixels

Created	3/31/2025	Date Received	3/31/2025
Priority	High	Classification	Medium Risk
Objective	Financial Support	Outcome	Adoption Support
Expected End Date			

In 8.2
Font size 14 pixels

Created	3/31/2025	Date Received	3/31/2025
Priority	High	Classification	Medium Risk
Objective	Financial Support	Outcome	Adoption Support
Expected End Date			

© 2025 Merative

Case Details

The font size on read-only labels and input fields has been increased from 12 to 14 pixels.

Person Homepage Navigation

Before 8.2
Font size 12 pixels

Jess Alexander x
Jess Alexander
Jess Alexander
234, Main Street, Unitah, Utah, 23444
Male
Born 1/1/1990, Age 35
Not Recorded Not Recorded
Edit... New Triage... ... ^
3000001
Home Eligibility Evidence Care and Protection Issues and Proceedings Financial Transactions Referrals Client Contact Administration Applications Compliance > v
Add Picture... C P S Smart Panel
Home
Home

In 8.2
Font size 14 pixels

Social Assistance 257 - man man x Employment Benefit 515 - man2 test2 x Social Assistance 513 - man2 test2 x Decision - Employment Benefit 515 x iolo x Jess Alexa x
Jess Alexander x
Jess Alexander
234, Main Street, Unitah, Utah, 23444
Male
Born 1/1/1990, Age 35
Not Recorded Not Recorded
Edit... New Triage... ... ^
30000010
Home Eligibility Evidence Care and Protection Issues and Proceedings Financial Transactions Referrals Client Contact Administration Ap > v
Add Picture... C P S Smart Panel
Home
Home
© 2025 Merative

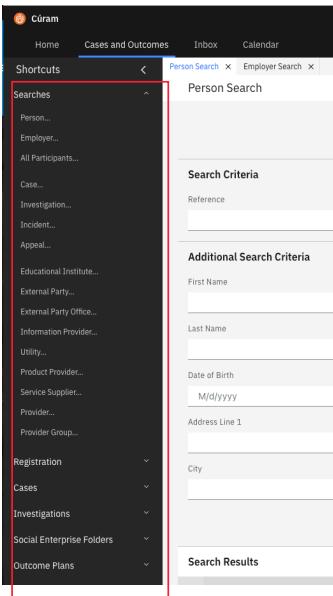
Person Home Page Navigation

The font size on read-only labels and input fields has been increased from 12 to 14 pixels.

Shortcuts Panel

Before 8.2

Shortcuts menu categories and subcategories was 12 pixels.

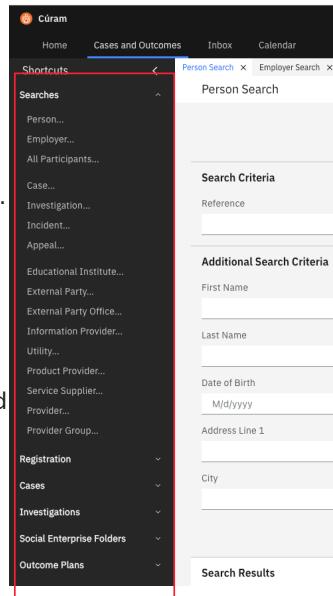


© 2025 Merative

In 8.2

Font weight on the Shortcuts menu for categories is now semi-bold.

The font size on the Shortcuts menu for sub-categories has been increased from 12 to 14 pixels.



Shortcuts Panel

Before 8.2, the font size for Shortcuts menu categories and subcategories was 12 pixels

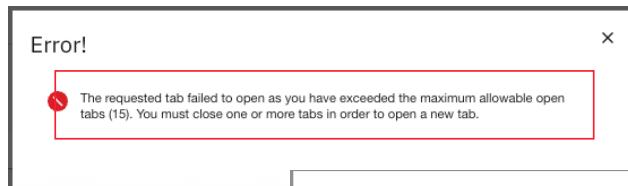
In 8.2 Font weight on the Shortcuts menu for categories is now semi-bold..

The Font size on the Shortcuts menu for sub-categories has been increased from 12 to 14 pixels.

Error messages

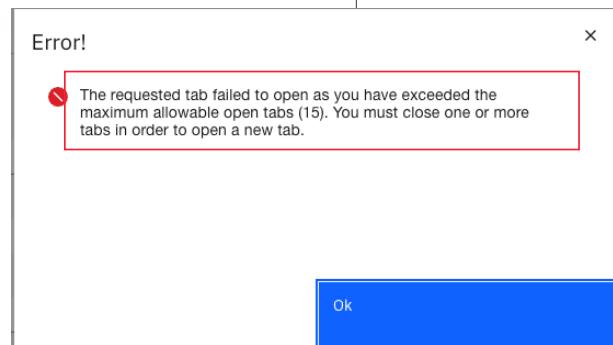
Before 8.2

Font size 12 pixels



In 8.2

Font size 14 pixels



Error messages

The font size has been increased from 12 to 14 pixels.

Exclusions

1. Custom Widgets - UIM Custom Fields (Evidence Dashboards, Meeting Calendar, Eligibility Viewer, etc)
2. Context Panels, Tab Panels - Around 80 Context Panels across Cúram
3. Smart Panels - customised ones are excluded
4. Smart Navigator (including search results, input, error messages)
5. Case Overview
6. Navigation, except for Content Area Navigation
7. Application Banner
8. Home Page Pods
9. IEG Player
10. Paragraph Text, for example, on Register Person text: Please enter either Apt/Suite or Street 1.
11. Outcome Plan Workspace
12. Service Plans
13. BIRT Charts & Graphs on UIM pages
14. Rich Text Editor
15. Online Help Content
16. External Portals, e.g. Provider Portal
17. Admin: Organisation Tree View
18. CEFWidgets uses the small font size in three places (Overpayment, ProductDelivery and BiWeeklyCalendar)
19. CEF uses the small font size in two places ("dashboard", EvidenceBroker)
20. SPMEntMods uses the small font size in three places (ProviderGroup, ProviderIncident, ProviderMember)

Note: HCR, CWC and CFSS do not use the small font size directly.

© 2025 Míniavive

16

Exclusions

1. Custom Widgets - UIM Custom Fields (Evidence Dashboards, Meeting Calendar, Eligibility Viewer, etc)
2. Context Panels - Tab Panels - Around 80 Context Panels across SPM
3. Smart Panels – customised are excluded
4. Smart Navigator (Including search results, input, error messages)
5. Case Overview
6. Navigation: Except Content Area Navigation
7. Application Banner
8. Home Page Pods
9. IEG Player
10. Paragraph Text, for example, on Register Person text: Please enter either Apt/Suite or Street 1.'
11. Outcome Plan Workspace
12. Service Plans
13. BIRT Charts & Graphs on UIM pages
14. Rich Text Editor
15. Online Help Content
16. External Portals eg. Provider Portal

17. Admin: Organisation > Tree View
18. CEFWidgets uses the small font size in three places (Overpayment, ProductDelivery and BiWeeklyCalendar)
19. CEF uses the small font size in two places ("dashboard", EvidenceBroker)
20. SPMEntMods uses the small font size in three places (ProviderGroup, ProviderIncident, ProviderMember)

Note: HCR, CWC and CFSS do not use the small font size directly.

CURAM - ACCESSIBILITY

Evidence Dashboard accessibility enhancements

© 2025 Merative

17

Evidence Dashboard accessibility enhancements:

Accessibility Improvements to the Evidence Dashboard

Cúram 8.2 introduces several key accessibility improvements to the Evidence Dashboard:

- The button to add new evidence is now visible by default and no longer requires any user interaction to display.
- Evidence types marked as required in a Dashboard Group are now displayed with a mandatory indicator and are announced as required by screen readers.
- Focus is returned to the Display Evidence Group dropdown field in the Evidence Dashboard when an option is selected, and the page reloads.
- The colour contrast between text and background in the Display Evidence Group dropdown menu has been improved to ensure sufficient contrast when menu items receive focus.
- The touch target size for all interactive elements has increased to benefit users with dexterity limitations and those who have difficulty with fine motor movement.

© 2025 Merative

18

This release introduces several key accessibility improvements to the Evidence Dashboard:

- The button to add new evidence is now visible by default and no longer requires any user interaction to display.
- Evidence types marked as required in a Dashboard Group are now displayed with a mandatory indicator and are announced as required by screen readers
- Focus is returned to the Display Evidence Group dropdown field in the Evidence Dashboard when an option is selected, and the page reloads.
- The color contrast between text and background in the Display Evidence Group dropdown menu has been improved to ensure sufficient contrast when menu items receive focus.
- The touch target size for all interactive elements has increased to benefit users with dexterity limitations and those who have difficulty with fine motor movement.

<h2>Accessibility Improvements to the Evidence Dashboard</h2>	<ul style="list-style-type: none"> • Clear and concise text is now announced to screen reader users when navigating the dashboard. • The evidence status (such as its required status, whether the evidence is in edit, if there are items to verify, or if there are issues with the evidence) is now conveyed to screen reader users when they navigate to an evidence link. • An evidence's parent-child relationship is now conveyed through the HTML structure for screen reader users, rather than just being visually indented. • Interactive elements, such as the expand/collapse and filter buttons, now function correctly for screen reader users. • Unique labels have been provided to all interactive elements, and their programmatic status is updated accurately, providing full context for screen reader users.
<small>© 2025 Merative</small>	<small>19</small>

Accessibility Improvements to the Evidence Dashboard

- Clear and concise text is now announced to screen reader users when navigating the dashboard.
- The evidence status (such as its required status, whether the evidence is in edit, if there are items to verify, or if there are issues with the evidence) is now conveyed to screen reader users when they navigate to an evidence link.
- An evidence's parent-child relationship is now conveyed through the HTML structure for screen reader users, rather than just being visually indented.
- Interactive elements, such as the expand/collapse and filter buttons, now function correctly for screen reader users.
- Unique labels have been provided to all interactive elements, and their programmatic status is updated accurately, providing full context for screen reader users.

CURAM - ACCESSIBILITY

The button to add new evidence is now visible by default and no longer requires any user interaction to display

© 2025 Mirovive

20

The button to add new evidence is now visible by default and no longer requires any user interaction to display

The button to add new evidence is now visible by default and no longer requires any user interaction to display

Before 8.2

Users needed to hover over the evidence in order to see the Plus button to add new evidence.

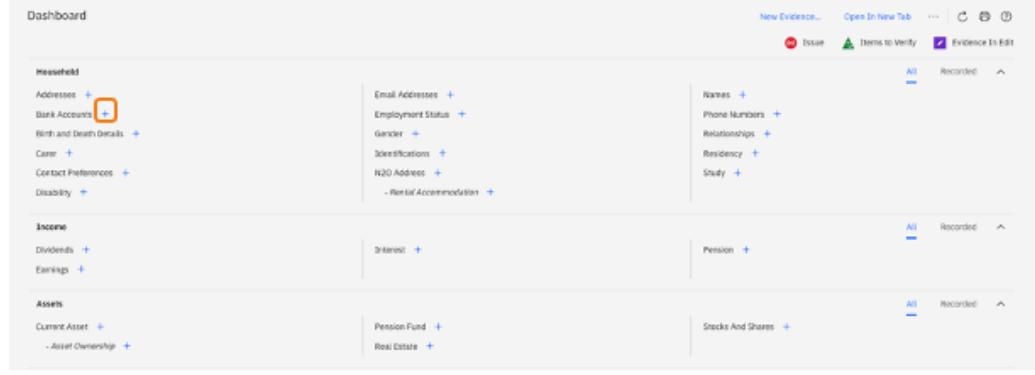
The screenshot shows a software interface for managing evidence. At the top, there's a navigation bar with 'New Evidence...', 'Open In New Tab', and other icons. Below it, a search bar includes filters for 'Issue' (red), 'Items to Verify' (green triangle), and 'Evidence In Edit' (purple checkmark). The main area is divided into several sections: 'Household' (Addresses, Bank Accounts, Birth and Death Details, Career, Contact Preferences, Disability), 'Income' (Dividends, Earnings, Interest, Pension), 'Assets' (Current Asset - Asset Ownership, Pension Fund, Real Estate, Stocks And Shares), and 'Expenses'. Each section has a 'Recorded' status indicator with a dropdown arrow. A large orange plus sign is positioned over the 'Bank Accounts' row. The bottom left corner shows a copyright notice: '© 2025 Merative' and the bottom right corner has the number '21'.

Prior to 8.2.0 Users needed to hover over the evidence they wished to add in order to see the Plus button to add new evidence.

The button to add new evidence is now visible by default and no longer requires any user interaction to display

In 8.2

The button to add new evidence is now visible by default and no longer requires any user interaction to display.



The screenshot shows a Merative platform dashboard with a sidebar on the left containing sections like Household, Income, and Assets. The Household section is expanded, showing sub-sections such as Addresses, Email Addresses, Names, and Bank Accounts. The 'Bank Accounts' section has a blue plus sign button next to it, which is highlighted with a red square. The main content area displays various data categories like Employment Status, Gender, Identifications, etc., each with a plus sign button. At the top right, there are buttons for 'New Evidence...', 'Issue', 'Items to Verify', and 'Evidence In Edit'. Below these are filters for 'All' and 'Recorded'.

In 8.2.0 The button to add new evidence is now visible by default and no longer requires any user interaction to display.

CURAM - ACCESSIBILITY

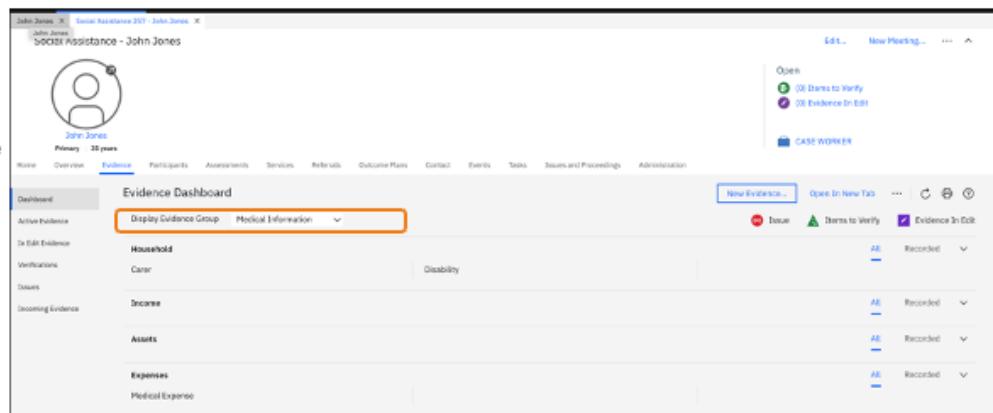
Focus is returned to the Display Evidence Group dropdown field in the Evidence Dashboard when an option is selected, and the page reloads

Focus is returned to the Display Evidence Group dropdown field in the Evidence Dashboard when an option is selected, and the page reloads

Focus is returned to the Display Evidence Group dropdown field in the Evidence Dashboard when an option is selected, and the page reloads

Before 8.2

When an option in the Evidence Dashboard's Display Evidence Group drop-down menu is selected and the page reloads, the focus does not return to the drop-down field.



© 2025 Merative

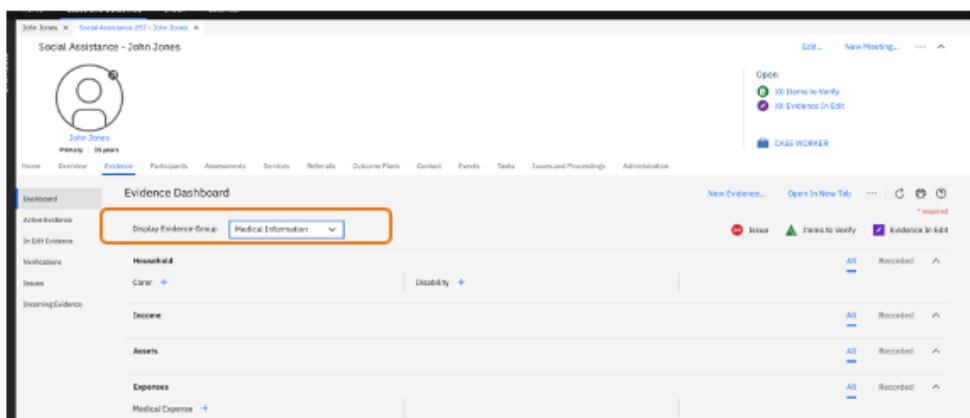
24

Prior to 8.2.0 When an option in the Evidence Dashboard's Display Evidence Group drop-down menu was selected and the page reloaded, the focus does not return to the drop-down field.

Focus is returned to the Display Evidence Group dropdown field in the Evidence Dashboard when an option is selected, and the page reloads

In 8.2

Focus is returned to the Display Evidence Group dropdown field in the Evidence Dashboard when an option is selected, and the page reloads.



© 2025 Merative

25

In 8.2.0 focus is returned to the Display Evidence Group dropdown field in the Evidence Dashboard when an option is selected, and the page reloads

CURAM - ACCESSIBILITY

The color contrast between text and background in the Display Evidence Group dropdown menu has been enhanced to meet contrast standards when items receive focus

© 2025 Mernite

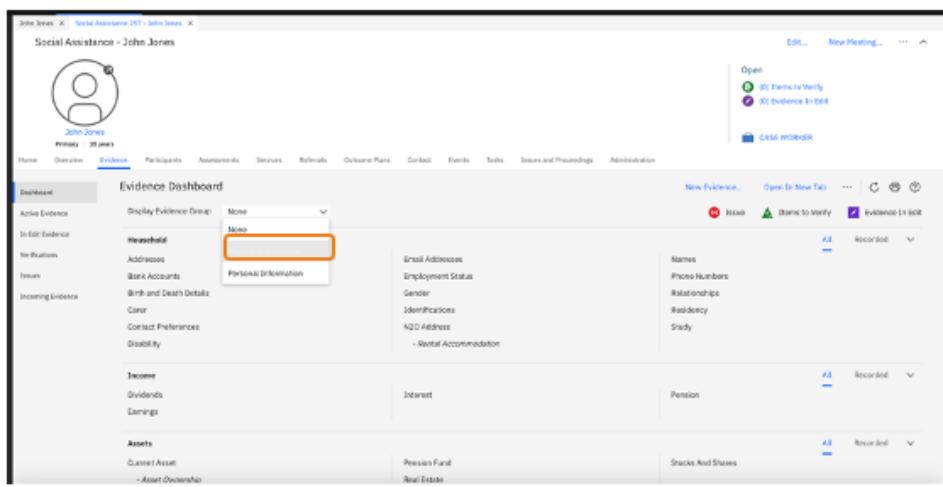
26

The colour contrast between text and background in the Display Evidence Group dropdown menu have been enhanced to meet contrast standards when items receive focus.

The color contrast between text and background in the Display Evidence Group dropdown menu has been improved to ensure sufficient contrast when menu items receive focus

Before 8.2

When a menu item in the Evidence Dashboard's Display Evidence Group drop-down menu receives focus, the text and the background do not have sufficient colour contrast ratios.

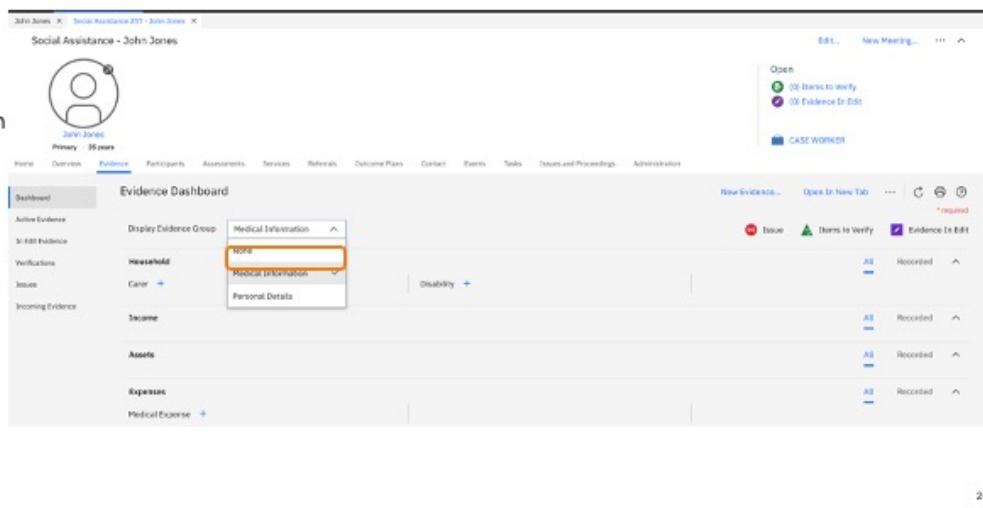


Prior to 8.2.0, when a menu item in the Evidence Dashboard's Display Evidence Group drop-down menu receives focus, the text and the background do not have sufficient color contrast ratios

The colour contrast between text and background in the Display Evidence Group dropdown menu has been improved to ensure sufficient contrast when menu items receive focus

In 8.2

The text and background colours used when menu items receive focus in the Evidence Dashboard's Display Evidence Group drop-down now have sufficient colour contrast ratios.



A screenshot of the Evidence Dashboard interface. The top navigation bar shows "John Jones" and "Social Assistance - John Jones". The main menu tabs are Home, Overview, Evidence (which is selected), Participants, Assessments, Services, Referrals, Outcome Plans, Contact, Events, Tasks, Issues and Proceedings, and Administration. On the right side, there is a sidebar with "CASE WORKER" and a "New Meeting..." button. Below the main menu, there is a "Display Evidence Group" dropdown menu with options: Household, Income, Assets, and Expenses. The "Household" option is currently selected and highlighted with a blue border. To the right of the dropdown, there are sections for "Medical Information" (with "None" selected) and "Personal Details". At the bottom of the screen, there is a footer with copyright information: "© 2025 Merative" and "2B".

In 8.2.0, the text and background colors used when menu items receive focus in the Evidence Dashboard's Display Evidence Group drop-down now have sufficient color contrast ratios.

CURAM - ACCESSIBILITY

Evidence dashboard screen reader improvements

© 2025 Merative

29

Evidence dashboard screen reader improvements

The following screen reader enhancements have been implemented on the evidence dashboard in 8.2.0.0.

Problem	Resolution	WCAG
Incorrect use of HTML and accessibility attributes cause invalid announcement of headings, buttons and regions on the Evidence Dashboard for screen reader users	Clear and concise text is now announced to screen reader users when navigating the dashboard.	1.3.1
Incorrect use of HTML and accessibility attributes cause invalid announcement of headings, buttons and regions on the Evidence Dashboard for screen reader users	The Evidence Dashboard has been updated to ensure that clear and concise text is announced to screen reader users when navigating through the dashboard. Interactive elements, such as the expand/collapse and filter buttons, now function correctly. The button to create a new piece of evidence is now revealed by default and no longer requires user interaction to display. Additionally, unique labels have been provided for all interactive elements, and their programmatic status is accurately updated. This ensures that screen reader users receive full context for the current element. To support this, four message entries in the related curam.message.EVIDENCEDASHBOARD message file have been deprecated. New message file entries have been added, allowing arguments to be inserted into the messages to provide context to screen reader users regarding the current element.	1.3.1

© 2025 Merative 30

The evidence dashboard screen reader improvements are described by detailing the Problem and the resolution applied. The associated WCAG Checkpoint reference is also supplied for each item.

To view full details of each problem and resolution, consult the release notes.

Aria labels used to clear a selected field or open a drop-down menu now provide clearer, more descriptive text to assist users

Aria labels used to clear a selected field or open a drop-down menu now provide clearer, more descriptive text to assist users

Generic aria labels used to clear a selected field or open a drop-down menu

Before 8.2

Previously, labels used to clear a selected field or open a drop-down menu had the same generic text specified, which lacked context for the associated field.

This made it difficult for screen reader users to distinguish which field the label related to.

The screenshot shows a web-based registration form titled 'Register Person'. At the top right, there are navigation icons for 'Back' (a circle with a dot), 'Forward' (an 'x'), and a red asterisk indicating a required field. Below the title, there are two tabs: 'Registered Person Check' (selected) and 'Registration'. A step indicator says 'Step 1: Registered Person Check - Perform this search to check if the client is already recorded.' The form is divided into sections: 'Search Criteria' (with a 'Reference Number' input field), 'Additional Search Criteria' (with 'First Name', 'Last Name', 'Date of Birth' (format: M/d/yyyy), 'Address Line 1', 'City', 'Gender' (set to 'Female'), 'Address Line 2', and 'Birth Last Name' fields), and 'Search Results' (with 'Search' and 'Reset' buttons). In the 'Additional Search Criteria' section, there are three generic labels: 'Show Nicknames', 'Show Sounds Like Names', and 'Clear selected item' (which is highlighted with a red box). The bottom right corner of the form area has the number '32'.

Before 8.2, previously labels used to clear a selected field or open a drop-down menu had the same generic text specified, which lacked context for the associated field.

This made it difficult for screen reader users to distinguish which field the label related to.

Generic aria labels used to clear a selected field or open a drop-down menu

In 8.2

The field label has been added to the hover message, for example, 'Open Gender list', making it easier for screen reader users to distinguish between the labels and the associated fields.

Register Person

① Registered Person Check ② Registration * required field

Step 1: Registered Person Check - Perform this search to check if the client is already recorded.

Search Criteria

Reference Number

Additional Search Criteria

First Name

Last Name

Date of Birth

Address Line 1

City

Gender

Show Nicknames

Show Sounds Like Names

Female

Address Line 2

Clear Gender selection

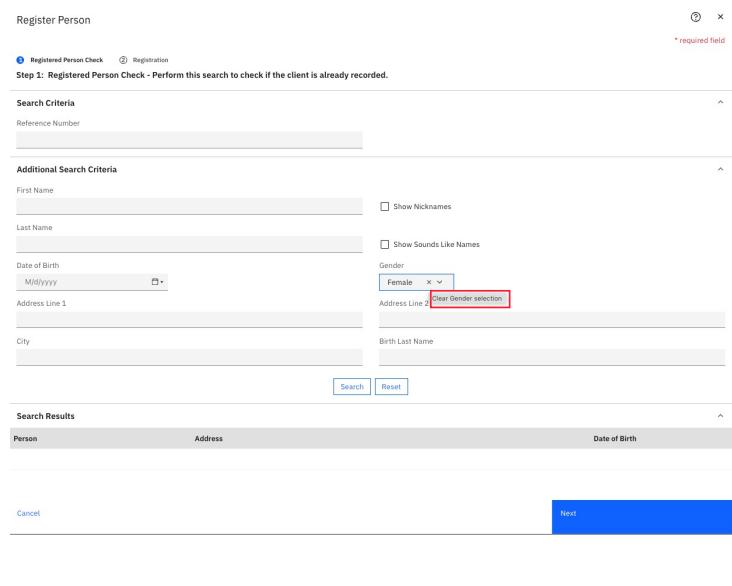
Birth Last Name

Search Results

Person	Address	Date of Birth
--------	---------	---------------

Cancel

Next



After 8.2, the field label has been added to the hover message, for example, 'Open Gender list', making it easier for screen reader users to distinguish between the labels and the associated fields.

CURAM - ACCESSIBILITY

Appeals case column
header now meets
minimum color contrast
requirements

© 2025 Merative

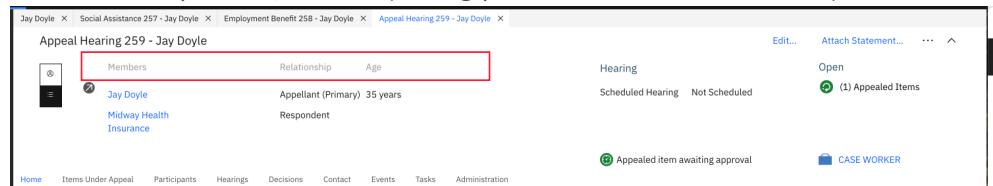
34

Appeals case column header now meets minimum color contrast requirements

Appeals case column header now meets the minimum color contrast requirements

Before 8.2

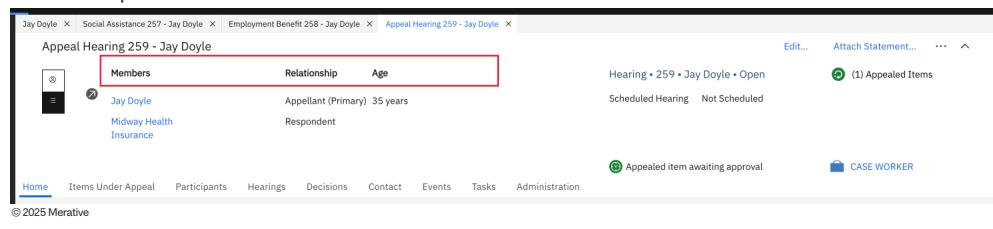
The table headers (Members, Relationship and Age) fail the minimum colour contrast requirements.



A screenshot of a web-based application interface titled "Appeal Hearing 259 - Jay Doyle". At the top, there are tabs for "Home", "Items Under Appeal", "Participants", "Hearings", "Decisions", "Contact", "Events", "Tasks", and "Administration". Below the tabs, there is a search bar and a table with three columns: "Members", "Relationship", and "Age". The "Members" column contains a single row with "Jay Doyle" and "Midway Health Insurance". The "Relationship" column shows "Appellant (Primary) 35 years" and "Respondent". The "Age" column shows "35 years". To the right of the table, there is a "Hearing" section showing "Open", "Scheduled Hearing", and "Not Scheduled". There is also a link to "(1) Appealed Items". At the bottom right, there is a "CASE WORKER" button. The entire screenshot is framed by a thick black border.

In 8.2

The font and weight of the table headers (Members, Relationship and Age) have been updated to meet the colour contrast requirements.



A screenshot of the same web-based application interface as the previous one, but updated for version 8.2. The "Members" table header now has a higher contrast, making it easier to read against the background. The rest of the interface remains the same, including the tabs, search bar, and "CASE WORKER" button. The entire screenshot is framed by a thick black border.

Prior to 8.2.0.0 the column header on Appeals case was difficult to see as it had insufficient contrast with the background color, and failed the minimum color contrast requirements.

In 8.2.0.0 the font and weight of the column header on Appeals cases has been updated to meet the color contrast requirements.

CURAM - ACCESSIBILITY

Focus outlines are now clearly visible when an error message receives focus

© 2025 Merative

36

Focus outlines are now clearly visible when an error message receives focus

Focus outline is visible when an error message receives focus

Before 8.2

The focus outline was not visible when an error message received focus

The screenshot shows a 'Person Search' page. At the top right are links for 'Register Person and Create Case...' and 'Register Person...'. Below the header is a search bar with a placeholder 'Search Criteria' and a note 'You must specify some search-criteria.' A large orange focus outline surrounds the search bar and the note. The main search area is titled 'Additional Search Criteria' and includes fields for First Name, Last Name, Date of Birth (with a dropdown menu showing 'McWherry'), Address Line 1, City, State, Zip, and Birth Last Name. There are also checkboxes for 'Show Nicknames' and 'Show Sounds Like Names', and a gender dropdown. At the bottom are 'Search' and 'Reset' buttons.

© 2024 Merative

37

Before 8.2.0.0 The focus outline was not visible when an error message received focus

Focus outline is visible when error message receives focus

In 8.2.0.0

The focus indicator is now visible when an error message receives focus.

The screenshot shows a 'Person Search' interface. At the top right are buttons for 'Register Person and Create Case...', 'Register Person...', and other options. Below the header is a search bar with placeholder text 'Search Criteria' and a dropdown menu labeled 'Reference'. A main search area contains fields for 'First Name', 'Last Name', 'Date of Birth' (with a date input field and a calendar icon), 'Address Line 1', 'City', 'Gender' (with a dropdown arrow), 'Address Line 2', and 'Birth Last Name'. At the bottom are 'Search' and 'Reset' buttons. An error message 'You must specify some search criteria.' is displayed in a red-bordered box above the search area. The entire window has a light gray background.

© 2024 Merative

38

In 8.2.0.0 The focus indicator is now visible when an error message receives focus.

CURAM - ACCESSIBILITY

The focus outline is now clearly visible when navigating to the email address on the Employer context panel using a keyboard

© 2025 Minitive

39

The focus outlines are now clearly visible when navigating to the email address in the employer context panel using a keyboard.

The focus outline is visible when a user navigates to the email address on the Employer context panel using a keyboard.

Before 8.2

The focus outline was not visible when a user navigates to the email address on the employer context panel using a keyboard.

Merative

123, 234, adsf, asdf, Utah, 23444
Engineering

Not Recorded Not Recorded Cúram@example.com

Home Background Contact Cases Financial Verifications Tasks Administration

In 8.2

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

Merative

213, Main Street
Engineering

Not Recorded Not Recorded Cúram@example.com

Home Background Contact Cases Financial Verifications Tasks Administration

Before 8.2.0.0, the focus outline was not visible when an error message received focus

In 8.2.0.0, the focus now moves to the email link on the context panel, and it is fully visible.

CURAM - ACCESSIBILITY

Focus is clearly visible
when navigating filtered
combo box values at 200%
zoom

© 2025 Merative

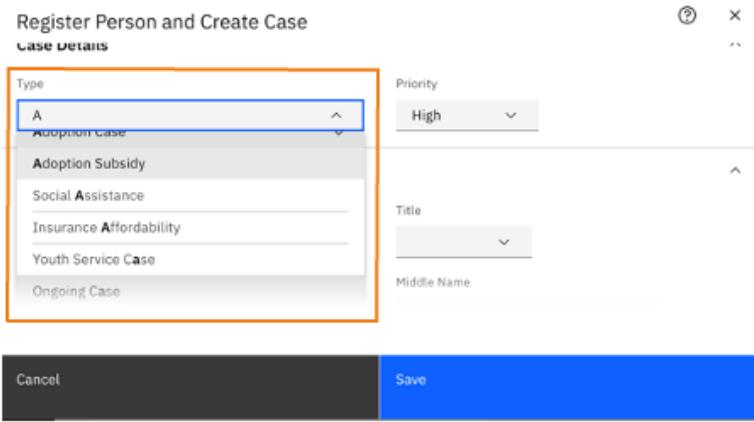
41

Focus is clearly visible when navigating filtered combo box values at 200% zoom

Focus is clearly visible when navigating filtered values in a combo box at 200% zoom

Before 8.2

When navigating filtered lists with a zoom level of 200%, the keyboard focus is not visible if the focused item is outside the current view. The list does not automatically scroll to bring the focused value into view.



© 2024 Microsoft

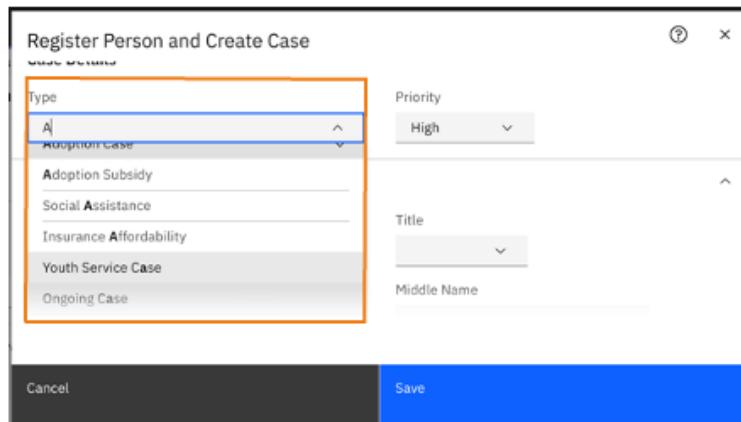
42

Before When navigating filtered lists with a zoom level of 200%, the keyboard focus is not visible if the focused item is outside the current view. The list does not automatically scroll to bring the focused value into view making it difficult for users to track their position within the list.

Focus is clearly visible when navigating filtered values in a combo box at 200% zoom

In 8.2

As users navigate through the filtered list, the component now ensures that the focused value is automatically scrolled into view if it is not currently visible.



© 2024 Merative

43

In 8.2.0.0, As users navigate through the filtered list, the component now ensures that the focused value is automatically scrolled into view if it is not currently visible.

Focus is clearly visible when user navigates to selected checkboxes and radio buttons in IEG

Focus is clearly visible when user navigates to selected checkboxes and radio buttons in IEG.

Focus clearly visible when user navigates to selected checkboxes and radio buttons in IEG

Before 8.2

The focus is not visible when a selected checkbox or radio button receives focus.

Assistant for Jay Smith 258
Basics Participants Relationships Assessments Allegations Help

3. Was the child threatened with any of the following types of physical abuse? (Please check all that apply)

Threats of physical harm Dangerous behavior toward the child or in immediate proximity of the child

Prior death of a child due to abuse or neglect, and new child in the home None

4. Has the caregiver's actions led to severe anxiety, depression, withdrawal, or aggressive behavior by the child toward themselves or others? *

No Yes

In 8.2

The selected checkbox or radio button now receives focus.

Assistant for Jay Smith 258
Basics Participants Relationships Assessments Allegations Print Help

SDM® Screening Assessment

1. Were any of the following non-accidental injuries sustained by the child? (Please check all that apply)

Death of the child or another child in home Severe

Other injury None

2. Was the child a victim of cruel or excessive corporal punishment? *

No Yes

© 2025 Merative

45

Before 8.2.0.0, The focus is not visible when a selected checkbox or radio button receives focus.

In 8.2.0.0, The selected checkbox or radio button now receives focus.

CURAM - ACCESSIBILITY

Focus is shown when navigating through the options in the Month drop-down in the Calendar widget

© 2025 Merative

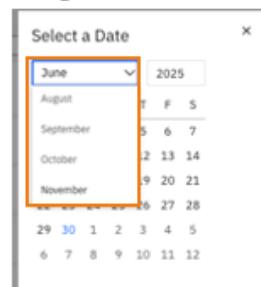
46

Focus is shown when navigating through the options in the Month drop-down in the Calendar widget

Focus is shown when navigating through the options in the Month drop-down in the Calendar widget

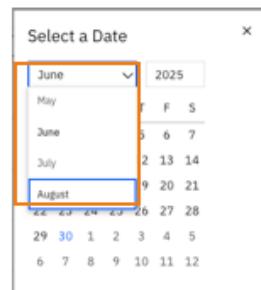
Before 8.2

The focus is not visible when a selected checkbox or radio button receives focus.



In 8.2

The focus is now visible when navigating through the options in the month drop-down of the Calendar widget.



© 2024 Merative

47

Before 8.2.0.0., The focus is not shown when navigating through the options in the month drop-down in the Calendar widget.

In 8.2.0.0, The focus is now visible when navigating through the options in the month drop-down of the Calendar widget.

List tables with action menus now include a visible "Actions" column header for clarity.

List tables with action menus now include a visible "Actions" column header for clarity.

List tables with action menus contain a visible column header (actions) for the column that shows action menus

Before 8.2

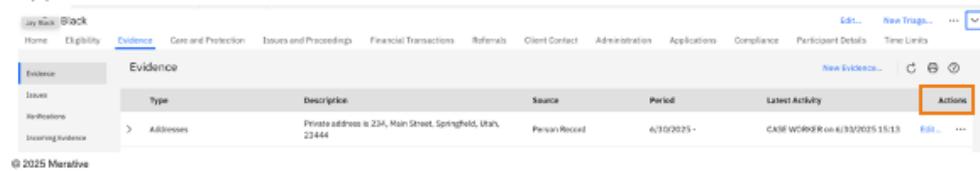
List tables with action menus are missing a visible column header labelled 'Actions' for the column that shows the action menus. The column header text is present but visually hidden using CSS.



Evidence						Latest Activity	Actions
Type	Description	Source	Period				
Addresses	Private address is 234, Main Street, Springfield, Utah, 23444	Person Record	6/16/2025 -	CASE WORKER on 6/19/2025 15:12	Edit...	...	

In 8.2

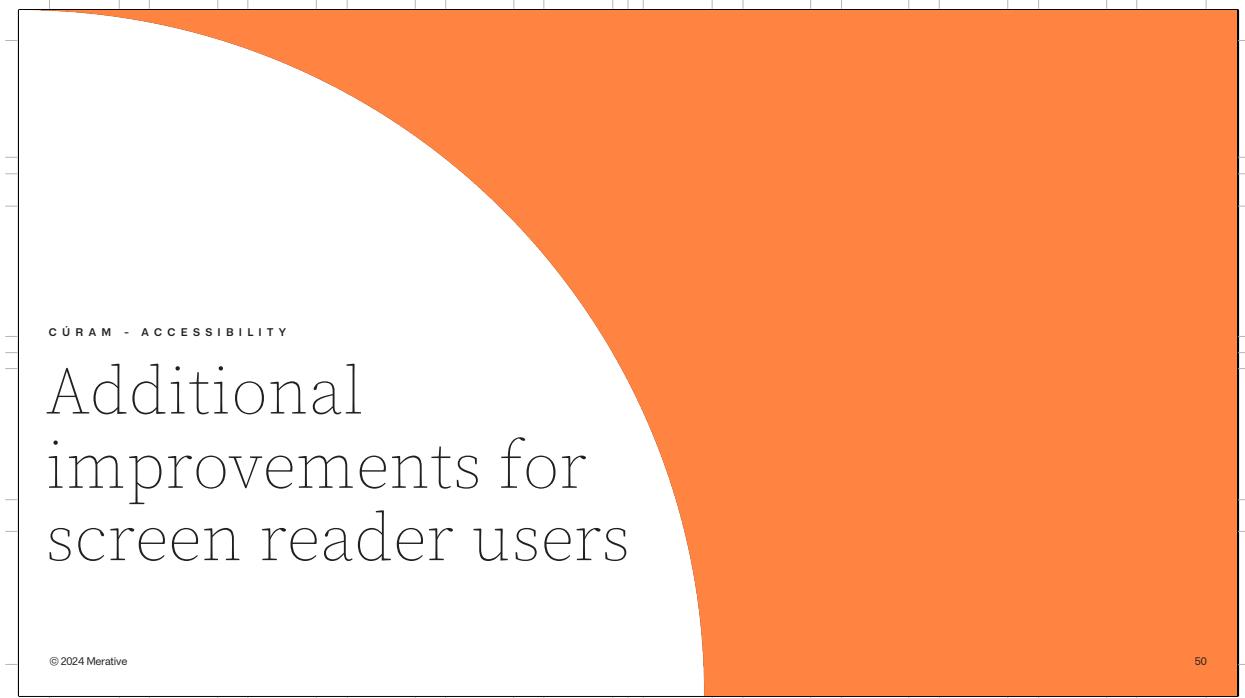
The hidden CSS class has been removed from the 'Actions' column header, making it visible in the application.



Evidence						Latest Activity	Actions
Type	Description	Source	Period				
Addresses	Private address is 234, Main Street, Springfield, Utah, 23444	Person Record	6/16/2025 -	CASE WORKER on 6/19/2025 15:13	Edit...	...	

Before 8.2.0.0., list tables with action menus are missing a visible column header labelled 'Actions' for the column that shows the action menus. The column header text is present but visually hidden using CSS.

In 8.2.0.0, The hidden CSS class has been removed from the 'Actions' column header, making it visible in the Cúram application.



This section groups the list of additional screen reader improvements to aid the visually impaired users in navigating through the Cúram Case worker application

The following screen reader improvements are available in 8.2.0.0

Problem	Resolution	WCAG
The iFrame title text is concatenated with the previous iFrame title text when navigating between in-page navigation tabs in an expanded list row	iFrame titles are no longer concatenated	1.3.1
Accessibility issues on application menu: <ul style="list-style-type: none">• Only one item is enclosed in a list.• The application menu button is labelled as 'Application Menu'.• Title attributes are present in the element of the application menu button, but they are unnecessary.• The aria-expanded attribute is not applied to the application menu button when it is expanded or collapsed.• The aria-controls attribute is missing from the application menu button.	The accessibility issues on the application menu in the application banner are now resolved.	1.3.1
Sortable column table headers have excessive wording due to incorrect use of aria	The screen reader now announces the column header button, and if sorted, it states the sorting order (ascending/descending). For example: 'Person button ascending'.	1.3.1
Case status in the context panel lacks context for screen reader users	The case name, reference number, and status are now grouped in the context panel. A hidden label for screen readers is announced before the case status. As a result, when users navigate to this section, the screen reader now announces the case name, reference number, status label, and status value together, providing clear, contextual information.	1.3.1

© 2025 Merative

51

The screen reader improvements are described by detailing the Problem and the resolution applied. The associated WCAG Checkpoint reference is also supplied for each item.

To view full details of each problem and resolution, consult the release notes.

The following screen reader improvements are available in 8.2.0.0

Problem	Resolution	WCAG
No structural markup to logically link the relationship between labels & their values for read-only fields in a cluster	The issue was resolved by implementing a descriptive list structure that associates each label with its corresponding value. This allows screen reader users to understand the relationship between labels and values accurately, improving overall accessibility.	1.3.1
Labels for Organization checkboxes on New Case Appeal modal are identical and not distinguishable by a screen reader	The issue is fixed by placing the checkboxes inside a container, allowing the screen reader to distinguish the labels correctly.	2.4.6
Pages with sortable table headers are incorrectly structured and contain invalid HTML. Specifically, a <p> (paragraph) element cannot be a direct child of a element. Invalid or improperly structured HTML can negatively impact the user experience, particularly for individuals relying on assistive technologies. For example, screen readers may get stuck, read content inaccurately, or skip over important information.</p>	The page has been updated to use valid and correctly structured HTML. The invalid <p> structure has been replaced with a more appropriate <button></button> structure, ensuring proper accessibility and compliance with standards.	4.1.1
Empty options in combo boxes have no names/labels	A screen reader now reads the empty value as 'Blank value current 1 of x' with a label.	4.1.2

The screen reader improvements are described by detailing the Problem and the resolution applied. The associated WCAG Checkpoint reference is also supplied for each item.

To view full details of each problem and resolution, consult the release notes.

C Ü R A M

Consistent Management of XXE vulnerabilities - Wrapper additions to assist with XXE resolution

© 2025 Merative

53

To manage security vulnerabilities in a consistent way wrappers were introduced so that developers needed to add only one line of code to secure it.

Consistent XXE vulnerabilities resolution

Business Problem

A consistent and standardised approach to resolving XML External Entity (XXE) across Cúram.

Solution

The recommended approach is to use the secure API wrappers provided in Cúram, which enforce these restrictions by default and ensure consistent protection across the codebase.

Secure XML Parser Wrappers

To provide protection against XXE, Cúram provides secure API wrappers for all the supported XML parsers. It is strongly recommended to use the relevant XML parser wrapper whenever XML parsing is required in the Cúram codebase.

XML parsers supported by Cúram. Each secure API wrapper provides at least two methods:

- **Strict**: Full XXE protection (blocks all DTDs/entities)
- **Allow Doctype**: Allows internal DTDs (for scenarios such as nbsp), but still blocks all external DTDs/entities

Below is a list of support Parser Types and their secure API Wrappers

Parser Type	Secure Wrapper Class
DocumentBuilderFactory	curam.security.parsers.SecureDocumentBuilderFactory
XMLReader	curam.security.parsers.SecureXMLReader
SAXReader (dom4j)	curam.security.parsers.SecureSAXBuilder
TransformerFactory	curam.security.parsers.SecureTransformerFactory
SchemaFactory	curam.security.parsers.SecureSchemaFactory
SAXParserFactory	curam.security.parsers.SecureSAXParserFactory
DOMParser (Xerces)	curam.security.parsers.SecureDOMParser

For further technical details please consult the Curam Security Handbook 8.2.

Examples of the XML parsers supported by Cúram

```
import curam.security.parsers.SecureDocumentBuilderFactory;
import javax.xml.parsers.DocumentBuilderFactory;
import javax.xml.parsers.DocumentBuilder;
// Strict XXE protection
DocumentBuilderFactory factory =
SecureDocumentBuilderFactory.getSecureDocumentBuilderFactory();
DocumentBuilder builder = factory.newDocumentBuilder();
// Allow internal DTDs (e.g., for nbsp)
```

How to Use the DocumentBuilderFactory & XMLReader Secure Wrappers

DocumentBuilderFactory :

```
import curam.security.parsers.SecureDocumentBuilderFactory;
import javax.xml.parsers.DocumentBuilderFactory;
import javax.xml.parsers.DocumentBuilder;

// Strict XXE protection
DocumentBuilderFactory factory =
SecureDocumentBuilderFactory.getSecureDocumentBuilderFactory();

DocumentBuilder builder = factory.newDocumentBuilder();
// Allow Internal DTDs
DocumentBuilderFactory factory =
SecureDocumentBuilderFactory.getSecureDocumentBuilderFactoryAllowDocType();
DocumentBuilder builder
= factory.newDocumentBuilder();
```

XMLReader :

```
import org.xml.sax.XMLReader;
import
curam.security.parsers.SecureXMLReader;

// Strict XXE protection
final XMLReader reader =
SecureXMLReader.getSecureXMLReader();

// Allow Internal DTDs
XMLReader reader =
SecureXMLReader.getXMLReaderAllowingDoctype();
;
```

© 2025 Merative

55

The first two wrapper classes are the Document Builder Factory examples and the XML Reader class exmamples.

Both methods of the wrappers are shown above for Strict XXE protection and Internal Document Type Definition (DTDs) allowing for (allowing non-breaking space) in documents where certain words or numbers should be on the same line. Eg. 100 Euros which would ensure that 100 Euros wouldn't span two lines.

How to Use the SAXReader & TransformerFactory Secure Wrappers

SAXReader (dom4j):

```
import  
curam.common.util.xml.dom.input.SAXBuilder;  
import org.dom4j.io.SAXReader;  
  
// Strict XXE protection  
SAXBuilder reader =  
SecureSAXBuilder.getSecureSAXBuilder();  
  
// Allow internal DTDs  
SAXBuilder reader =  
SecureSAXBuilder.getSAXBuilderAllowingDoctype()  
;
```

TransformerFactory :

```
import  
curam.security.parsers.SecureTransformerFac  
tory;  
import  
javax.xml.transform.TransformerFactory;  
  
// Strict XXE protection  
TransformerFactory transformerFactory =  
SecureTransformerFactory.getSecureTransfor  
mFactory();  
  
// Allow internal DTDs  
TransformerFactory transformerFactory =  
SecureTransformerFactory.getSecureTransfor  
mFactoryAllowDocType();
```

© 2025 Merative

56

The Third wrapper class SAXReader examples and the fourth wrapper class TransformerFactory class examples are shown above.

As before both Strict XXE protection and Allow internal Document Type Definitions is shown in the examples

How to Use the SchemaFactory & SaxParserFactory Secure API Wrappers

SchemaFactory:

```
import curam.security.parsers.SecureSchemaFactory;
import javax.xml.validation.SchemaFactory;

// Strict XXE protection
SchemaFactory factory =
SecureSchemaFactory.getSecureSchemaFactory();

// Allow Internal DTDs
SchemaFactory factory =
SecureSchemaFactory.getSecureSchemaFactoryAllowDocType();
```

SAXParserFactory:

```
import
curam.security.parsers.SecureSAXParserFacto
ry;
import javax.xml.parsers.SAXParserFactory;

// Strict XXE protection
SAXParserFactory factory =
SecureSAXParserFactory.getSecureSAXParserFa
ctory();

// Allow Internal DTDs
SAXParserFactory factory =
SecureSAXParserFactory.getSAXParserFactoryA
llowDocType();
```

The fifth wrapper class SchemaFactory examples and the sixth wrapper class SAXParserFactory examples are shown above.

As before both Strict XXE protection and Allow internal Document Type Definitions is shown in the examples

How to Use the DOMParser (Xerces) Secure API Wrappers

DOMParser (Xerces):

```
import curam.security.parsers.SecureDOMParser;
import org.apache.xerces.parsers.DOMParser;

// Strict XXE protection
DOMParser parser =
SecureDOMParser.getSecureDOMParser();

// Allow internal DTDs
DOMParser parser =
SecureDOMParser.getDOMParserAllowingDoctype();
```

© 2025 Merative

58

Finally the seventh wrapper class DOMParser examples are shown above. As before both Strict XXE protection and Allow internal Document Type Definitions is shown in the examples

Key Points

- Default to strict XXE protection. Only use the "allow doctype" methods if there is a proven requirement for internal DTDs (for example, for nbsp in XSL).
- It is recommended to use the secure XML parser wrapper classes provided in Cúram rather than the equivalent JDK or third-party parser classes
- The Javadoc for the secure Cúram XML parser wrapper classes provides more detailed information and may be found at the following location - "CuramSDE\doc\api".

Location of all wrappers: These wrappers are in the **security-inf** package.

* Table of Secure wrappers located in the Security Handbook 8.2, **XML**

External Entity (XXE) Security Controls in Cúram

Application =>Secure XML Parser Wrappers

** Further examples of the secure wrapper implementations are located

under the **How to Use the Secure Wrappers heading**

C Ü R A M

Swagger updates and improvements: REST API updates

© 2025 Merative

60

To manage security vulnerabilities in a consistent way wrappers were introduced so that developers needed to add only one line of code to secure it.

Improve Swagger Specification within REST API

Business Problem

Developers and customers interacting with the REST API face challenges due to limited or unclear API documentation and error messages. This leads to inefficiencies in understanding, integrating, and troubleshooting the API.

Solution

Version 8.2 introduces updates to the Swagger infrastructure, enhancing the REST architecture. These improvements provide:

- More comprehensive and clearer API documentation
- Improved error messaging
- Better handling of customer REST requests

These changes aim to streamline the developer experience and reduce time spent on integration and debugging.

One example:

REST API's within Swagger were displaying without a Referer header description as this field was not mandatory. This change now ensures that the Referer header has a description on all Referer headers for API requests.

```
{  
  "name": "Referer",  
  "in": "header",  
  "description": "The Referer header is mandatory for all API requests.",  
  "type": "string",  
  "required": true  
}
```

 CÚRAM

Cúram Rich Text Editor upgrade: Improvements to the editor experience

© 2025 Mervive

62

To manage security vulnerabilities in a consistent way wrappers were introduced so that developers needed to add only one line of code to secure it.

CKEditor – Rich Text Editor

Business problem

The Cúram rich text editor is built on CKEditor, a widely adopted and actively maintained content editing framework.

Solution

By aligning with the latest **Long-Term Support (LTS)** version, Cúram ensure a stable foundation that benefits from sustained security updates, performance enhancements, and compatibility with future web standards.

Before:

Security Enhancements Needed: The current version has not received the latest security updates, which may increase exposure to potential vulnerabilities.

End of Support: The version in use is no longer actively maintained, which can make ongoing support and compliance more challenging.

Slower Performance: Less responsive in content-heavy use cases.

Limited Flexibility: Difficult to extend or adapt to modern standards.

After:

Hardened Security: The upgrade delivers the latest security fixes, reducing exposure to known vulnerabilities and aligning with best practices.

Long-Term Support: With 4.25.1 being a Long-Term Support version, the editor now benefits from ongoing maintenance and stability guarantees.

Improved Performance: Users experience faster load times and smoother interactions, thanks to under-the-hood optimizations.

Future-Ready Foundation: The platform is now better positioned for future enhancements, integrations, and compliance requirements.

© 2025 Merative

63

Some improvements/changes from the rich text editor upgrade

1. Paste , Paste as plain text buttons & Right Click Paste mouse click now show informational message.
2. Font Formatting being retained after pasting on text editor, that was not working on older version across many areas in application.
3. Control + Shift + V is now working as is Pasting texts as plain texts
4. Shortcut Key Tooltips in Toolbar:
Buttons in the toolbar now display shortcut keys in their tooltips, which helps users to know about available keyboard shortcuts. Only buttons that support keyboard actions have in tooltip.
5. Keyboard Shortcut for Link Dialog:
The new version introduces a shortcut (Ctrl+K) to open the link dialog, making it easier for users to insert or edit links using the keyboard.

Cúram rich text editor old behaviour

New Note

⑦ × * required field

① Participant.createNote1.concentrateId=101

Subject *

Priority *

Medium

Text *

New Note using Cúram
New Note using Cúram
New Note using Cúram

Paste as Plain Text

Press Ctrl+V (Cmd+V on MAC) to paste below.

New Note using Cúram

Font Arial Size 12

OK Cancel

Cancel Save

Before the Upgrade
When users pressed **Ctrl/Cmd + V** or used the **Paste** function, a **modal dialog** appeared.

Users had to paste content into a separate pop-up window. This extra step interrupted the editing flow, requiring them to switch context and wait for the content to be appended to the note in the background.

© 2025 Merative 64

Cúram rich text editor new Paste experience

The screenshot shows the 'New Note' interface. At the top, there are fields for 'Subject' (marked as a required field), 'Priority' (set to 'Medium'), and 'Sensitivity' (set to '1'). Below these is a rich text editor toolbar with various icons for bold, italic, underline, etc. A blue callout box in the center of the editor area contains the text: 'Press ⌘+V to paste. Your browser doesn't support pasting with the paste button or context menu option.' At the bottom of the editor area, there are 'Cancel' and 'Save' buttons.

Improved Paste Experience

When users paste content, a **blue Informational message** now appears, replacing the previous modal window.

This allows users to **Interact directly with the note**, streamlining the editing process and improving workflow efficiency. Pasting is instant and intuitive—content appears directly where the user is working, with no extra windows or steps.

This smoother experience keeps users focused, reduces clicks, and speeds up note-taking and content creation.

65

Some other Curam Rich Text Editor Improvements

Additional Paste & Formatting Improvements

Font Formatting Retention:

Pasted content now preserves original formatting across the application—resolving inconsistencies seen in the previous version.

Improved Plain Text Pasting:

Ctrl + Shift + V now reliably pastes content as plain text, ensuring a consistent experience across browsers.

Keyboard Accessibility

Shortcut Key Tooltips:

Toolbar buttons now display relevant keyboard shortcuts in their tooltips, helping users discover and use them more efficiently.

Link Dialog Shortcut:

A new shortcut (**Ctrl + K**) opens the link dialog, making it faster to insert or edit links using the keyboard.



Cúram Rich Text Editor underlying software is CKEditor

Cúram 8.2 Upgrade comparison : 4.5.10 → 4.25.1 LTS

Category	CKEditor 4.5.10	CKEditor 4.25.1 LTS
Security	Limited security updates	Latest patches; LTS support
Support Lifecycle	Past end-of-support period	Supported until Dec 2028
Paste Handling	Modal dialog; formatting often lost	Direct paste; formatting retained; Ctrl+Shift+V for plain text
Performance	Slower load and interaction	Optimized performance and responsiveness
Keyboard Shortcuts	Limited support; no tooltips	Tooltips show shortcuts; Ctrl+K for link dialog
Browser Compatibility	Optimized for legacy browser support (e.g., Internet Explorer)	Modern browser support
Plugin Ecosystem	Limited plugin compatibility	Improved plugin support and documentation
Accessibility	Basic accessibility features	Enhanced keyboard navigation and tooltips

Curam's underlying editor Ckeditor was updated to Long term support version 4.25.1.

The above table shows the improvements gained from the upgrade.

 CÚRAM

Cúram Installer updates to improve the security posture

© 2025 Merative

68

To manage security vulnerabilities in a consistent way wrappers were introduced so that developers needed to add only one line of code to secure it.

8.2 Install Update



Installer updates in 8.2

Business problem:

Manual Security Configuration Post-Installation

The current process for generating a new secret key and keystore to enhance security and encrypt Cúram passwords during the post-installation phase is entirely manual.

Solution:

Automated Keystore and Password Initialization via Ant Targets

To eliminate the manual steps and enhance security consistency, two new Ant targets have been introduced:

- **createkeystore**
Automates the creation of a new keystore or allows reuse of an existing one, ensuring secure and standardized key management.
- **init_passwords**
Initializes essential credentials required for use in Cúram, automating password encryption and reducing the risk of human error.

Benefits

1. Streamlined post-installation process
2. Reduced setup time and operational overhead
3. Improved security through consistent automation
4. Scalable and repeatable deployments

More details can be found in the *Cúram Development Environment Installation Guide 8.2* in the 8.2 pdf library

8.2 Install Update



Installer updates in 8.2 cont..

To ensure secure and automated credential setup during the installation of the new version, customers must:

1. Run the `createkeystore` Ant Target

This target creates a new keystore or allows the reuse of an existing one to ensure standard key management.

2. Run the `init_passwords` Ant Target

This target initializes required credentials for Curam and supports two modes:

Interactive Mode

- Prompts the user to manually enter the username and/or password for each required credential.
- Ideal for one-off setups or environments where manual input is acceptable.

Automated Mode

- Requires all credentials to be specified in advance (e.g., via properties or environment variables).
- Suitable for CI/CD pipelines or scripted deployments.

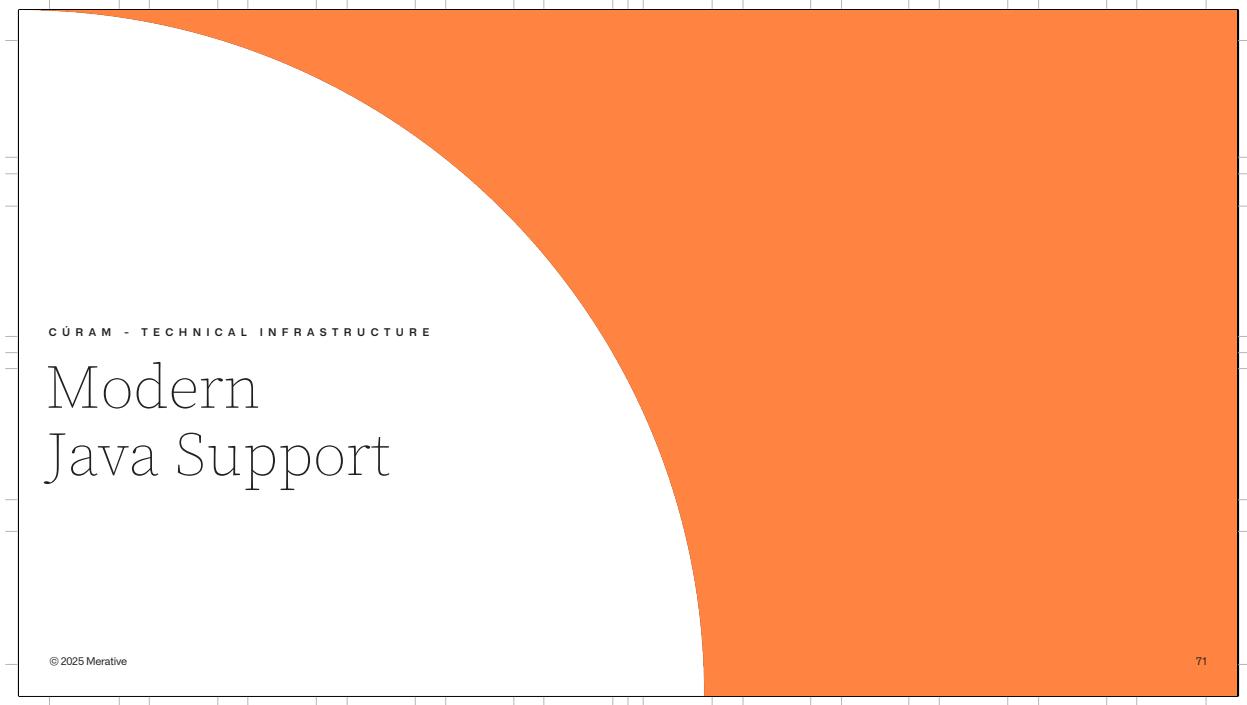
3. Ensure Proper Configuration

The encryption and digesting of credentials are governed by the settings in the `CryptoConfig.properties` file. Customers must verify that this file is correctly configured before running `init_passwords`.

4. Verify Output

The encrypted or digested credentials will be written to the appropriate source files. Customers should confirm that the output files reflect the expected secure values.

More details can be found in the Curam Development Installation guide and the Curam Security Handbook in the 8.2 pdf library



CÚRAM - TECHNICAL INFRASTRUCTURE

Modern Java Support

© 2025 Merative

71

Cúram, Liberty and Modern Java

Introduces support for Java 21 in WebSphere Liberty application server, for in-container deployments of Cúram.

Liberty in container:

- The Cúram application within Liberty can now leverage Java 21's advancements to enhance application server performance, scalability, security and development.

Future-Proofing:

By adopting Java 21, the Cúram application:

- Ensures long-term support and alignment with the latest Java ecosystem standards.
- Facilitates development of a roadmap from traditional WebSphere Application Server (tWAS) where support ends in 2030.

Cúram, Liberty and Modern Java

Enablement Documentation

Documentation

The following documentation details journey maps and migration from Java 8 to Modern Java for Cúram.

Customer White Paper

- [Modern Java White Paper](#)

Modern Java Migration Documentation

- [Modern Java Migration Document](#)

© 2025 Merative

73

Links to these documents will require customers to login with their account details to access.

<https://merative.my.site.com/mysupport/s/article/ModernJavaMigrationGuide>

<https://merative.my.site.com/mysupport/s/article/ModernJavaWhitepaper>

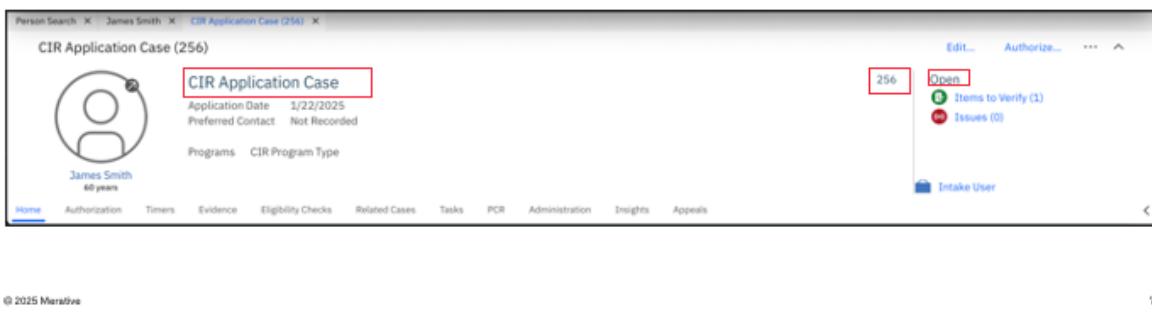
C Ü R A M

Application case status in the context panel is visually adjacent to the case name and reference number but lacks context for screen reader users

Application case status in the context panel is visually adjacent to the case name and reference number but lacks context for screen reader users

Before 8.2

- The application case status in the context panel was displayed visually next to the case reference number. While this allowed sighted users to perceive both elements at once, screen reader users had to navigate further down the page to locate the status.
- Additionally, the status was announced without contextual information, potentially causing confusion—for example, terms like “Open” or “Disposed” were presented without clarifying what they referred to.



Before 8.2.0.0

- The application case status in the context panel was displayed visually next to the case reference number. While this allowed sighted users to perceive both elements at once, screen reader users had to navigate further down the page to locate the status.
- Additionally, the status was announced without contextual information, potentially causing confusion—for example, terms like “Open” or “Disposed” were presented without clarifying what they referred to.

Application case status in the context panel is visually adjacent to the case name and reference number but lacks context for screen reader users

In 8.2

To improve accessibility for screen reader users:

- The application name, reference number, and case status are now grouped together within the context panel.
- A hidden screen reader label has been added before the case status.
- When navigating to this section, the screen reader will now announce the application name, reference number, status label, and status value as a single, cohesive announcement—offering clearer and more complete context.



In 8.2.0.0

To improve accessibility for screen reader users:

- The application name, reference number, and case status are now grouped together within the context panel.
- A hidden screen reader label has been added before the case status.
- When navigating to this section, the screen reader will now announce the application name, reference number, status label, and status value as a single, cohesive announcement—offering clearer and more complete context.

Application case status in the context panel is visually adjacent to the case name and reference number but lacks context for screen reader user

Upgrade Considerations:

- Clients upgrading to version 8.2.0.0 will observe updates to the layout of the application context panels, specifically in the placement of the reference number and status fields. The application name, reference number, and status are now grouped providing clear and comprehensive information.
- If any of these files have been customized, corresponding updates must be applied to the custom code.

C Ü R A M

Deferred tasks
functionality not working
as expected

© 2025 Merative

78

Deferred tasks functionality not working as expected

Before 8.2

- When a user makes a deferred task available, using 'Make Available' action, the task status is updated to 'Open'.
- However, when the caseworker who is working on the task (Worked on by = caseworker) forwards or reallocates a deferred task, the task status remains in 'Deferred' status.

The image contains two side-by-side screenshots of a software application's 'My Tasks' section. Both screenshots show a task card for 'Task 256' and a detailed history and comments table below it.

Screenshot 1 (Left): Task 256 details:

- Status: Deferred (highlighted with a red box)
- Assigned to: CASE WORKER
- Time worked: 00:00
- Deadline: Not Assigned
- Last Assigned: 6/21/2015 01:09

Screenshot 2 (Right): Task 257 details:

- Status: Deferred (highlighted with a red box)
- Assigned to: Not Set
- Worked on by: Not Set
- Time worked: 00:00
- Deadline: 6/24/2015 01:00
- Last Assigned: 6/21/2015 01:09

History and Comments (Table):

User	Date	Change Type	From	To	Comment
CASE WORKER	6/17/2015 01:07	Published	CASE WORKER		
CASE WORKER	6/17/2015 01:09	Deferred			
CASE WORKER	6/17/2015 01:09	Created			

Before 8.2.0.0

- When a user makes a deferred task available, using 'Make Available' action, the task status is updated to 'Open'.
- However, when the caseworker who is working on the task (Worked on by = caseworker) forwards or reallocates a deferred task, the task status remains in 'Deferred' status.

Deferred tasks functionality not working as expected

In 8.2

When a caseworker who is working on the task (Worked on by = caseworker) reallocates a deferred task, the task status is reset to **Open**.

The screenshot shows the 'My Tasks' interface with 'Task 256' selected. The task details include:

Status	Priority	Worked on by	Deadline
Open	Medium	CASE WORKER	6/30/2025 01:30
		Time Worked	Last Assigned
		09:00	6/17/2025 04:57

The 'History and Comments' tab is active, showing the following history:

User	Date	Change Type	From	To	Comment
CASE WORKER	6/17/2025 04:57	Reallocated	CASE WORKER		
CASE WORKER	6/17/2025 04:57	Deferred			6/18/2025
CASE WORKER	6/17/2025 06:56	Created			

At the bottom left, it says '© 2025 Merative'. At the bottom right, there is a small number '80'.

In 8.2.0.0

- When a caseworker who is working on the task (Worked on by = caseworker) reallocates a deferred task, the task status is reset to **Open**.

Deferred tasks functionality not working as expected

In 8.2

When a caseworker who is working on the task (Worked on by = caseworker) forwards a deferred task, the task status is reset to **Open**.

My Tasks Task 257 X

Task 257

Status	Open	Priority	Medium	Worked on by	Time Worked	Deadline	Last Assigned
					00:00	6/30/2025 01:30	6/17/2025 07:04

Intake Interview

Home History and Comment Assignments Graphical View

History and Comments

User	Date	Change Type	From	To	Comment
CASE WORKER	6/17/2025 07:04	Forwarded	CASE WORKER	Supervisor User	
CASE WORKER	6/17/2025 07:03	Deferred			6/18/2025
CASE WORKER	6/17/2025 07:01	Created			

When a caseworker who is working on the task (Worked on by = caseworker) forwards a deferred task, the task status is reset to **Open**.

Deferred tasks functionality not working as expected

Upgrade Considerations

Clients upgrading to version 8.1.3.0 iFix1 should note the following behavior change:

- Task Status Behaviour: From 8.1.3.0 iFix1 onwards, when a deferred task is reallocated or forwarded, its status will automatically be reset to Open.
- Impact on Existing Deferred Tasks: Existing deferred tasks that were forwarded or reallocated prior to the upgrade will remain in Deferred status.
- Customer Action Required: Clients are advised to manually restart any existing tasks that are in Deferred status after the upgrade.