CÚRAM TRAINING

Cúram Training Paths and Courses

Description

This document contains the Cúram training paths and short descriptions of the courses on each path. In addition, you can request course abstracts, which provide a more detailed breakdown of each course into its constituent lessons and exercises.

Note that some course titles may refer to "IBM". This legacy term will be incrementally replaced by the new term "Merative". In addition, the legacy terms "SPM" or "Cúram SPM" will be replaced by "Cúram". All terms (legacy and new) refer to the current Cúram product and are used interchangeably in this document.

The following Cúram V7 courses were replaced by equivalent courses for V8: CUR072, CUR073, CUR074, CUR075, CUR076, CUR077, CUR094, CUR095 and CUR096. Please contact Cúram Education if you need the V7 versions.

Summary of Changes:

Revision	Date	Created by	Short Description of Changes
3.0	1-Feb-24	Paul Grennan & Paddy Meyler	Updated paths with V8 courses and tests.
4.0	25-Sept-24	Paddy Meyler	Removed V7 courses where there is a V8 equivalent.
4.1	30-Nov-24	Marcus Row	CER V8 added, V7 versions removed
4.2	18-Sept-25	Paddy Meyler, Paul Grennan and Marcus Row	Added CUR088_KA1, CUR104, CUR105, CUR099_A and CUR110
5.0	1-Nov-2025	Paddy Meyler, Paul Grennan and Marcus Row	Added CUR111, updated course paths, and references to badges and Knowledge Assessments.

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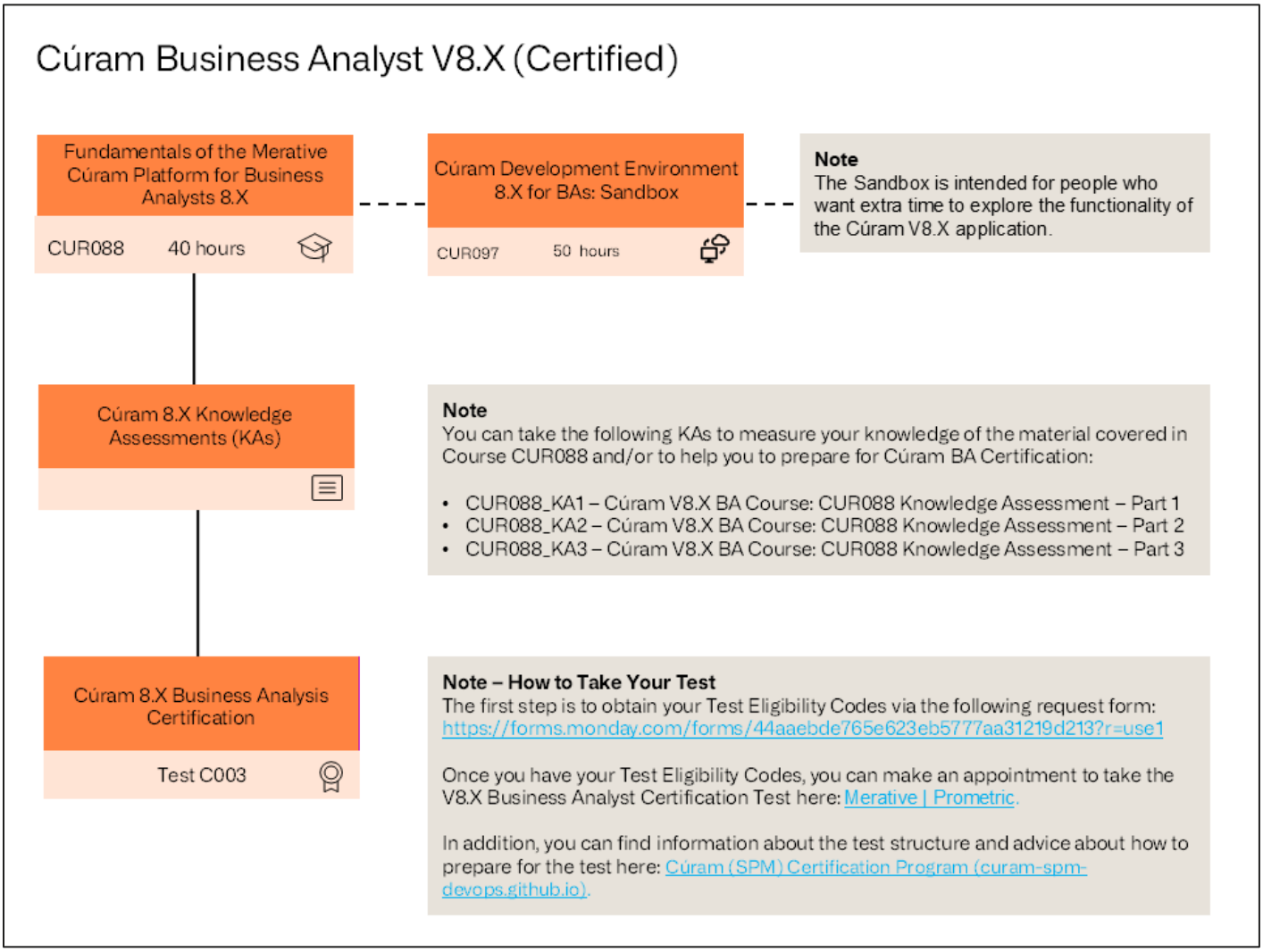
Business Paths

Business Analyst V8.X (Certified)



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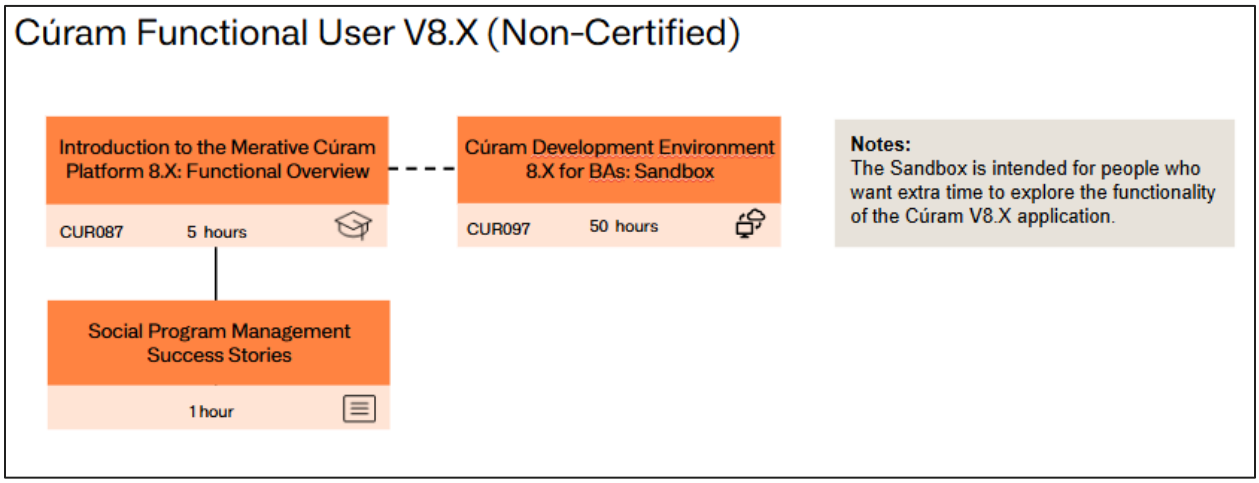
Functional User V8.X (Non-Certified)



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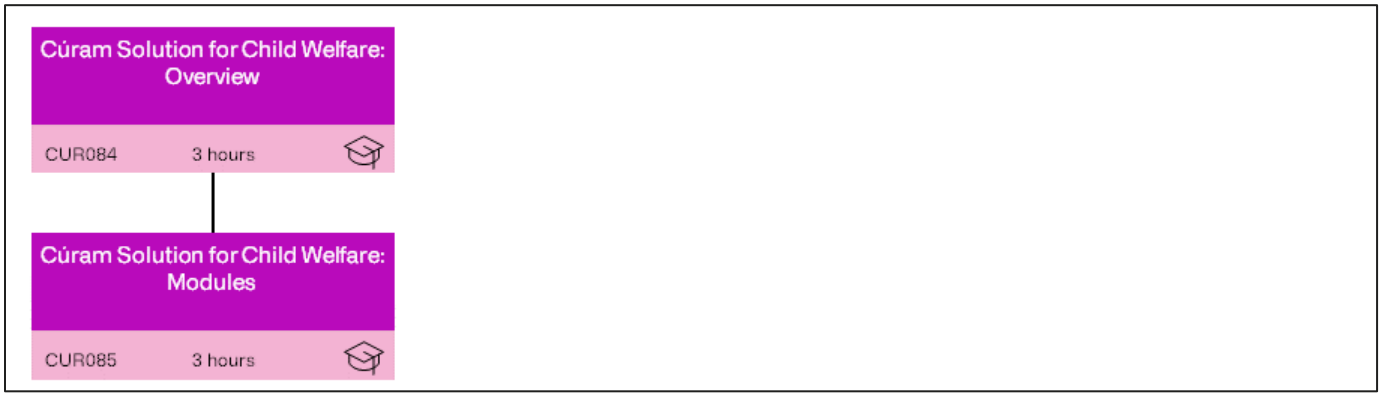
Introduction to Cúram Solution for Child Welfare



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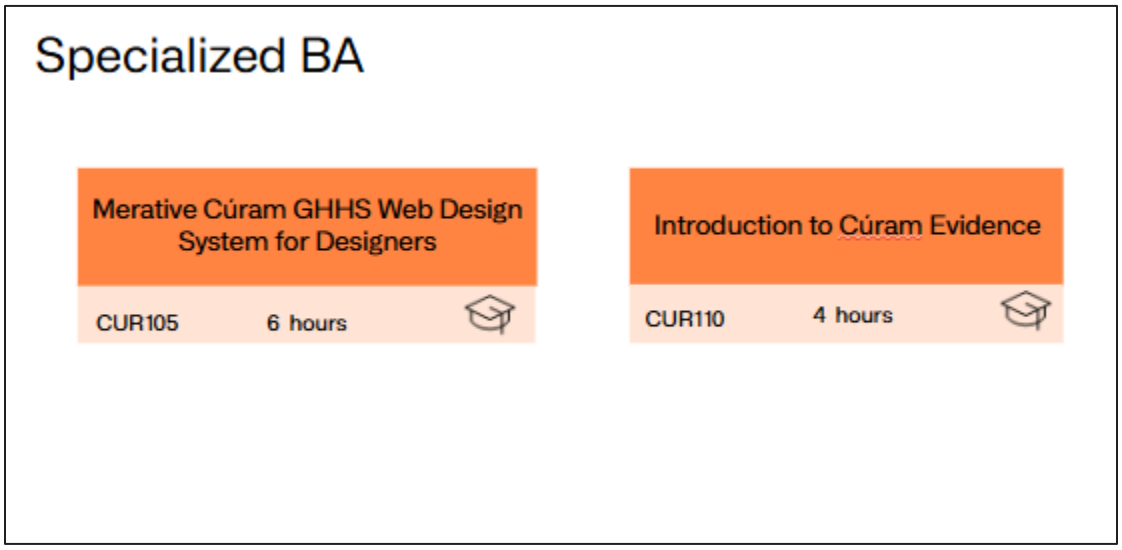
Specialized BA



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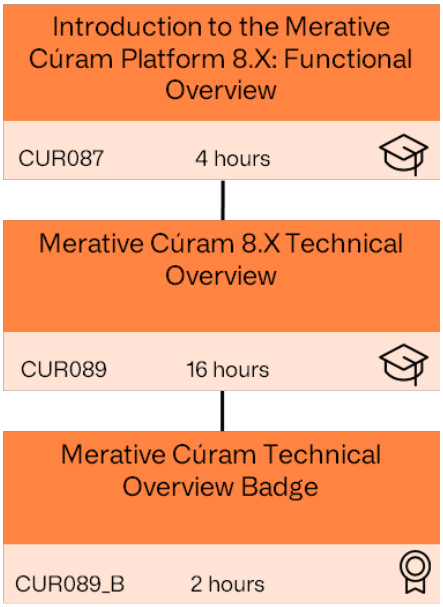
Technical Paths

Technical Fundamentals V8.X

These courses are recommended for all technical roles.



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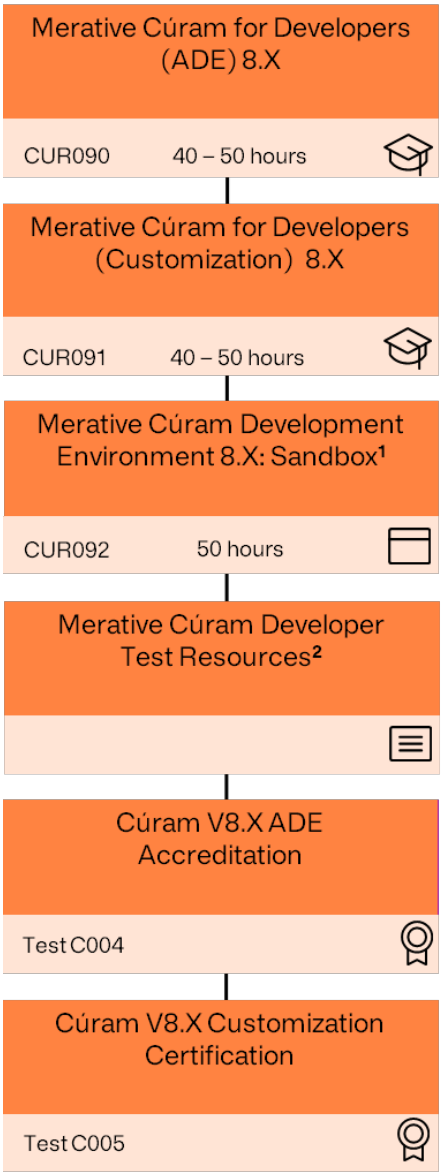
V8.X Developer Certification

The first two courses are recommended for all developers on customer projects. The remaining elements are for people who want to take a certification test.



Note:

Learners can navigate this path in several ways depending on whether they require Accreditation and Certification or just Accreditation; and how they will divide the preparation time, for example:

- Complete CUR090, prepare and take the Accreditation test only.
- Complete CUR090, prepare and take the Accreditation test. Then complete CUR091, prepare and take the Certification test.
- Complete CUR090 and CUR091. Prepare for both tests. Take the Accreditation test followed soon after by the Certification test.

Notes:

1. The sandbox will provide the CUR090/CUR091 environment, where candidates can practice development and customization for up to 50 hours.

2. The following resources are provided for each test:
   - Mini projects to practice hands-on tasks.
   - Knowledge Assessments to check your readiness.
   - Sample questions to show the format of the official test questions.
   - Tips and advice.
   - A full practice test.

Note:

Candidates must pass the Accreditation test and the Certification test to be deemed Cúram Certified Developers.

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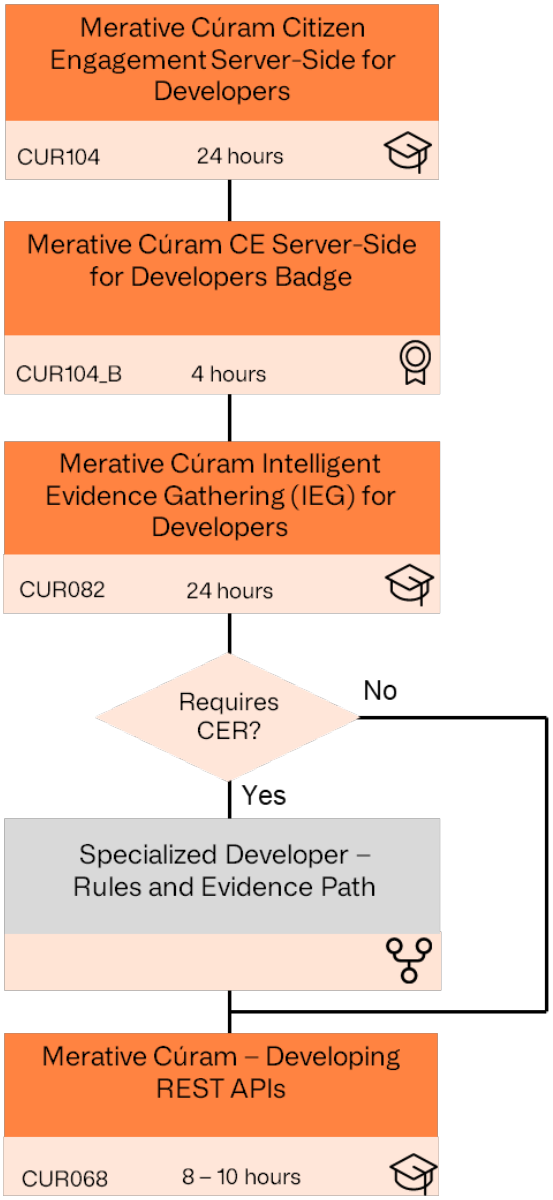
Citizen Engagement (Backend)

Intelligent Evidence Gathering (IEG), Cúram Express Rules, Evidence, and REST API are used in other parts of Cúram besides Citizen Engagement.



Notes:

These courses are standalone and can be taken in any sequence.

Course CUR104 includes a brief overview of IEG and CER, giving learners sufficient context to understand how these technologies support Citizen Engagement and Universal Access.

However, for those working directly in this area, you should complete the full IEG and CER courses to gain a comprehensive understanding of these technologies.

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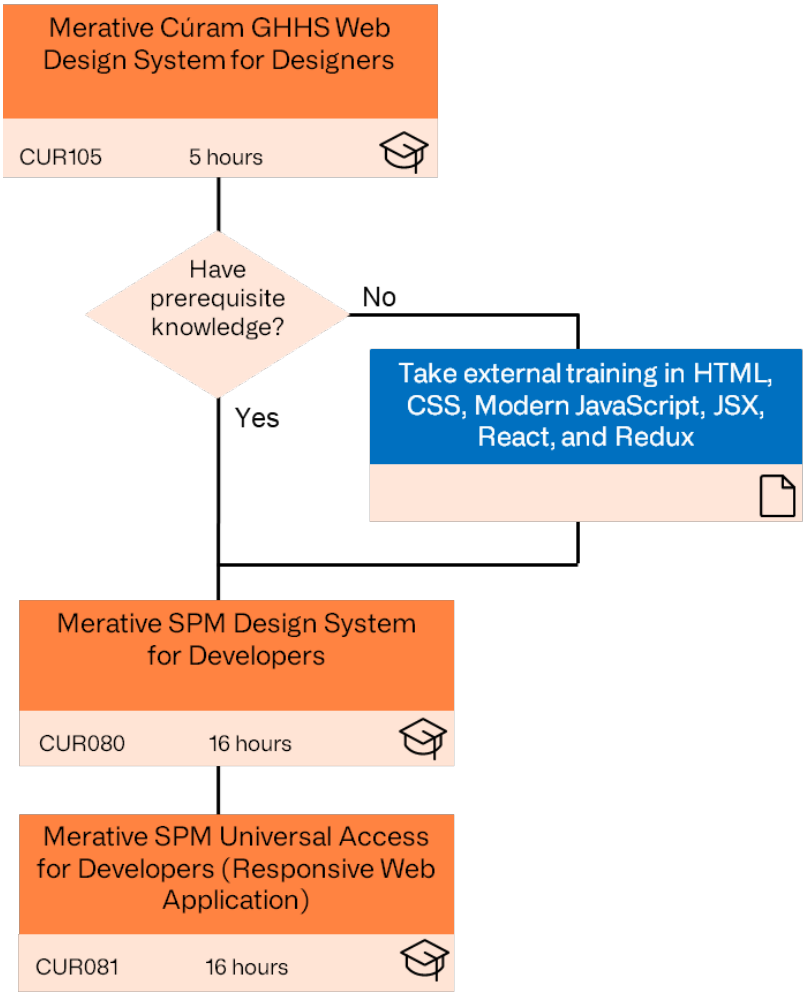
Citizen Engagement (Frontend)

It is recommended to take these courses in the order shown below.



Notes:

Recommended resources can be provided on request

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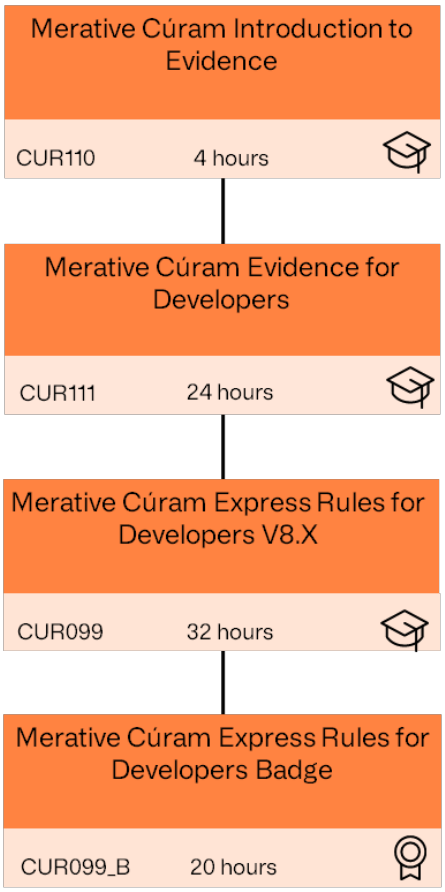
Rules and Evidence

It is recommended to take the courses in the following order.



Notes:

CUR110 provides a mainly functional view of how Evidence is used in Cúram. Learners may skip to CUR111 if they already have this functional knowledge.

The badge (CUR099_B) consists of a quiz and a lab-based practical.

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Other Specialized Courses

Includes additional courses and courses that were shown as part of a course path above, but which can be taken standalone.

Rules

Merative Cúram Express Rules for Developers V8.X

CUR099 32 hours

Workflow

Merative SPM Workflow for Developers

9D52G 40 hours

Evidence

Merative Cúram Introduction to Evidence

CUR110 4 hours

Merative Cúram Evidence for Developers

CUR111 24 hours

IEG

Merative SPM Intelligent Evidence Gathering (IEG) for Developers

CUR082 24 hours

Batch Processing

Merative Cúram Batch Processing for Developers

CUR062 2 hours

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REST APIs

Merative Cúram – Developing REST APIs		
CUR068	8 – 10 hours	

Cúram on Kubernetes

Merative SPM on Kubernetes for Business Consultants		
DL41001G	8 hours	

Cúram on Kubernetes for Developers		
CUR086	16 hours	

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Courses

CUR087 – Introduction to the Merative Cúram Platform 8.X: Functional Overview

Duration: 5 hours approximately

Course Description: This self-paced course introduces learners to the way Cúram facilitates the delivery of social programs and services by the responsible organizations, which is the industry segment that Cúram targets. Cúram offers products that organizations need to provide government-funded social, health, and other services to citizens. The course provides a high-level summary of the Cúram Platform and the Cúram Application Modules. The course explains the Cúram Platform and Application Modules by describing their respective functions in the context of the citizen and social services organization needs that they address. This web-based course has no virtual lab associated with it..

Audience: This course is intended primarily for Business Analysts who will work on Merative Cúram implementation projects. The course is also useful for anyone who needs a general overview of the features and functionality of the Cúram Platform V8.X, including testers, project managers, and product administrators.

Prerequisites: Learners should have a working knowledge of health and human services programs and experience of typical business analysis activities related to system implementations.

Objectives:

- Describe the Cúram approach to managing and delivering social programs and services.
- Describe the participant management and case management functionality that the Cúram Platform provides.
- Describe the financial management functionality that the Cúram Platform provides.
- Identify the different components of Cúram Workflow and outline their roles.
- Provide an overview of how communications are handled in Cúram.
- List and describe the following Cúram Application Modules:
    - Cúram Appeals
    - Cúram Business Intelligence and Analytics
    - Cúram Child Welfare
    - Cúram Evidence Broker
    - Cúram Income Support
    - Cúram Income Support for Medical Assistance
    - Cúram Outcome Management
    - Cúram Provider Management
    - Cúram Social Enterprise Collaboration
    - Cúram Universal Access
    - Cúram Verification Engine.

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CUR088 – Fundamentals of the Merative Cúram Platform for Business Analysts 8.X

Duration: 40 hours approximately

Course Description: This self-paced course introduces the fundamentals of the Merative Cúram Platform. It introduces the key components of Cúram, namely, Universal Access, User Interface, Participant Management, Case Management, Evidence Framework, Financial Management, Administration, Verification Engine, Evidence Broker, Provider Management, Outcome Management, Rules Management, and Workflow Management.

The course discusses out-of-the-box Cúram functionality and illustrates how it can be implemented by Social Services organizations and related agencies. This course is designed to familiarize learners with the main components of Cúram 8.X and explain how they fit together to support organizational processes.

Audience: This course is intended primarily for Business Analysts (BAs) who work on Cúram implementation projects. The course is also useful for anyone who needs an overview of the features and functionality of the Merative Cúram Platform 8.X, including testers, project managers, and administrators. In general, the contents of the course are relevant to a wider audience than BAs and will help members of that wider audience to collaborate effectively on Cúram implementation projects.

Prerequisites: Learners should have a working knowledge of health and human services programs and experience of typical business analysis activities related to system implementations.

Objectives:

- Identify the main functional components of the Cúram Platform V8.X.
- Describe participant, case, administration, and workflow management.
- Explain how rules and evidence are defined and used.
- Describe financial processing and outcome management.
- Describe how evidence verification and brokerage are handled.
- Provide an overview of Cúram Universal Access.
- Identify and describe Cúram Modules.
- Navigate components that are ready for immediate use in Cúram, as well as use its basic functionality.

Note: After you complete this course, you can take the following assessment to to measure your grasp of some of the material covered in Course CUR088 and/or to help you to prepare for Cúram Certification:

- CUR088_KA1 – Cúram V8.X BA Course: CUR088 Knowledge Assessment – Part 1

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CUR097 – Merative Cúram Development Environment 8.X for BAs: Sandbox
Duration: 50 hours

Course Description: This Sandbox provides learners with on-demand access to the Merative Cúram Platform V8.X development environment. Learners use this environment to complete the hands-on exercises that are part of the Fundamentals of the Merative Cúram Platform for Business Analysts 8.X course (CUR088). The Sandbox enables students to explore some of the functionality and features covered by the course. The Sandbox is also useful for people who are preparing for the Cúram V8.X BA Certification Test (C003).

Audience: This course is intended primarily for Cúram Business Analysts and other functional/admin personnel who need to use and familiarize themselves with the Merative Cúram SPM Platform V8.X.

Prerequisites: Before accessing this Sandbox, learners should have completed Fundamentals of the Merative Cúram Platform for Business Analysts 8.X (CUR088), or a previous version of the Cúram Business Analyst fundamentals course.

Objectives:
After completing the course, learners should be able to:

- Launch the Cúram 8.X application and log in as different Cúram user types.
- Perform the standard tasks associated with the main functional areas of the Cúram Platform.

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CUR110 – Introduction to Cúram Evidence
Duration: 4 hours

Course Description: This course provides learners with an introduction to Evidence in Cúram. It explores the essential concept of Evidence in Cúram, as well as how Evidence relates to Cases. Learners will appreciate what it means to manage Evidence within Cases as well as the significance of what working with Temporal Evidence means in practice.

Audience: This course is designed to help Cúram Business Analysts and other functional/admin personnel to use, and thereby familiarize themselves with, Evidence in the Cúram Platform.

Prerequisites: Before accessing this course, learners would have ideally completed Fundamentals of the Merative Cúram Platform for Business Analysts 8.X (CUR088), or a previous version of the Cúram Business Analyst fundamentals course.

Objectives:
After completing the course, learners should be able to:

- Define the meaning of Evidence in Cúram
- Describe how users interact with Evidence
- Discuss how citizens, caseworkers and administrators use Evidence
- Explain where Evidence lives within Cúram Cases
- Define how Person and Case Evidence Types differ
- Outline how to manage Evidence as a caseworker
- Describe how Temporal Evidence behaves and what it achieves
- Explain the conceptual difference between Evidence Correction and Evidence Succession and use the Cúram UI to manage each type of Evidence update

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DL41001G – IBM Cúram SPM on Kubernetes for Business Consultants

Duration: 8 hours

Course description: This course explains the essential terminology, concepts, and business benefits of cloud, DevOps, and containerization technologies, including Docker, Kubernetes, and Helm. After introducing these concepts, the course focuses on the SPM on Kubernetes solution and its benefits. These topics are technical in nature and therefore require a technical explanation. However, the topics are explained at a high-level, and you do not require previous technical knowledge to understand them.

Audience: This course is intended primarily for business consultants and developers.

Prerequisites: None

Objectives:
After completing the course, learners should be able to:

- Define key cloud terms and concepts.
- Briefly describe the cloud service models and deployment models.
- Distinguish between monolithic solutions, virtual machines, containerized solutions, and microservices.
- Outline the continuous integration/continuous delivery (CI/CD) process and where it fits into DevOps.
- Briefly describe the SPM Kubernetes offering.
- List the business benefits of deploying SPM on containers by using Kubernetes.
- Summarize the importance of non-functional requirements, such as security and elasticity, for containerized and cloud solutions.

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CUR084 – Cúram Solution for Child Welfare: Overview
Duration: 3 hours

Course description: This course provides an overview of the Cúram Solution for Child Welfare, which is a Merative product that is designed for organizations that provide child welfare services. The course also covers two of the six modules that the Solution contains, namely, Intake and Investigation.

Audience: This course is intended primarily for Child Welfare professionals who need to understand the features and functionality of the Cúram Solution for Child Welfare. It is also aimed at anyone who needs an introduction to the Cúram Solution for Child Welfare.

Prerequisites: There are no prerequisites for this course, as it is designed to introduce you to the Cúram Solution for Child Welfare.

Objectives:
After completing the course, learners should be able to:

- Describe the purpose of the Cúram Solution for Child Welfare and recognize the important features of the modular approach.
- Explain the functional interoperations between the following Cúram Child Welfare modules: Intake, Investigation, Case Management, Collaboration, Legal, and Resource Management.
- Recognize the important features of the Cúram Solution for Child Welfare and describe the child welfare caseworker-support features that the solution provides.
- Describe the intake, investigation, case management, legal, and resource management processes.

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CUR085 – Cúram Solution for Child Welfare: Modules
Duration: 3 hours

Course description: This course describes the features and functionality of 4 modules in the Cúram Child Welfare Solution, namely, Case Management, Legal, Collaboration, and Resource Management.

Audience: This course is intended primarily for Child Welfare professionals who need to understand the features and functionality of the Case Management, Legal, Collaboration, and Resource Management modules of the Cúram Solution for Child Welfare.

Prerequisites: There are no prerequisites for this course, as it is designed to introduce you to the Cúram Solution for Child Welfare.

Objectives:
After completing the course, learners should be able to:

- How the Case Management module enables organizations to manage operational and logistical case activities, such as contacts with clients and providers, legal activities, and placement management.
- The main features of the Legal module, namely Legal Actions, Directives and Actions, and Legal Status.
- How The Collaboration module facilitates an outcome-focused approach through assessments and comprehensive outcome planning and evaluation.
- The Resource Management module toolset, which enables organizations to manage the details of affiliated service providers and the services that they provide on behalf of child welfare agencies.

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CUR089 – Merative Cúram 8.X Technical Overview

Duration: 16 hours

Course description: Cúram provides a feature-rich development environment that allows organizations to implement solutions for health and human services organizations. A good understanding of the Cúram development environment, its technologies, and associated concepts is essential for all technical roles involved with Cúram. In addition, knowledge of the Cúram development environment provides learners with a foundation for specific Cúram technical training. This course describes the technologies that provide the business features for end-to-end case handling. It also describes considerations when implementing solutions, from understanding out-of-the-box artifacts to configuration, customization, deployment, and support. Learners will explore end-user features during the exercises before investigating the technologies that provide these features. In this way, learners develop an end-to-end view of how the product is used and will be able to relate the underlying technologies to the business features.

Many of the topics introduced in this course are expanded in the specific Developer courses, such ADE, Rules, and Citizen Engagement courses. However, this course also covers additional topics that are not covered in the other developer courses.

Audience: This introduction-level course is aimed at anyone who requires a technical overview of Curam, including developers, architects, project executives, database and system administrators, testers, and other technical personnel. Business Analysts may also find this course useful.

Prerequisites: Learners must have a basic understanding of n-tier application development and associated architectures, including web development technologies. It is recommended that learners complete the following short (and free) functional course before taking this course:

- *Introduction to Merative Cúram Platform 8.X: Functional Overview (CUR087).*

Objectives:

After completing the course, learners should be able to:

- Define the Cúram modules and Platform components.
- Briefly describe the runtime architecture.
- Outline the technologies that support systems of engagement and the benefit delivery lifecycle.
- Describe the underlying business and technical services.
- List the features of the Cúram Application Development Environment (ADE).
- Describe how organizations configure and customize Cúram.
- List considerations for test, migration, and deployment.
- Outline the release, upgrade, and support processes.
- Access information about the product and product training.

Note: Learners can earn a digital badge by successfully completing a quiz, which is available in *CUR089_B - Merative Cúram Technical Overview Badge.*

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CUR090 – Merative Cúram for Developers (ADE) 8.X

Duration: 40 – 50 hours

Course description: A practical grasp of the Cúram Application Development Environment (ADE) is essential for teams wishing to build Cúram-compliant solutions that provide high-quality citizen services. This course provides a solid grounding in the Cúram model-driven development approach and ADE. It presents an architectural overview of the Cúram application and introduces ADE features and tools for modeling, coding, building, and troubleshooting applications. During the course, learners will design and implement a simple end-to-end application using many ADE client and server features in a V8 lab environment.

Audience: This course is intended primarily for developers and technical architects who will work on Cúram implementation projects. The course is also useful for anyone who needs a technical understanding of the Merative Cúram ADE 8.X, including testers and support engineers.

Prerequisites: Learners should have a working knowledge of object-oriented concepts, Java, XML, SQL, and n-tier enterprise applications. The following courses are recommended to gain a broad functional and technical view of Cúram:

- *Introduction to the Merative Cúram Platform 8.X: Functional Overview (CUR087)*
- *Merative Cúram 8.X Technical Overview (CUR089)*

Objectives:

After completing the course, learners should be able to:

- Use features and tools in the Cúram ADE for the following tasks:
    - Modeling classes and relationships.
    - Implementing server-side features.
    - Creating client pages and navigation.
- Implement simple, end-to-end solutions using the Cúram model-driven development approach and development tools.
- Access and interpret developer guidelines contained in the Cúram product documentation.

Note:

After completing the course, learners can use the Knowledge Assessment (CUR090_KA) to check their understanding of key Cúram development concepts.

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CUR091 – Merative Cúram for Developers (Customization) 8.X

Duration: 40 – 50 hours

Course description: Teams building Cúram solutions for customers must be able to analyze and customize out-of-the-box (OOTB) solutions. The first part of the course describes the approach that Cúram uses for customizing OOTB applications compliantly. The main part of the course describes how to customize client and server artifacts, including source code and non-source code artifacts. The final part of the course outlines how SOAP and RESTful web services are used to integrate with external applications and how custom features can be implemented using events, deferred processes, and batch processes. In addition, the course outlines the approaches for localizing, supporting, and upgrading Cúram. During the course, learners will perform impact analysis on OOTB applications and implement compliant customizations in a V8 lab environment.

Audience: This course is intended primarily for developers and technical architects who will work on Cúram implementation projects. The course is also useful for anyone who needs a technical understanding of Cúram ADE 8.X, including testers and support engineers.

Prerequisites: Before taking this course, learners must have completed the following course:

- *Merative Cúram for Developers (ADE) 8.X (CUR090).*

Objectives:

After completing the course, learners should be able to:

- Describe the approaches for customizing Cúram artifacts.
- Perform impact analysis to determine the changes required for customizations.
- Customize out-of-the-box artifacts compliantly:
    - Client artifacts.
    - Non-source code server artifacts.
    - Modeled application classes.
    - Non-modeled application classes.
- Describe additional features for customizing Cúram:
    - SOAP and RESTful web services for real-time integration.
    - Events, deferred processes, and batch jobs.
    - Localization.
- Briefly outline the installation, upgrade, and support processes.

Note:

After completing the course, learners can use the Knowledge Assessment (CUR091_KA) to check their understanding of key Cúram customization concepts.

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CUR092– Merative Cúram Development Environment 8.X: Sandbox

Duration: 50 hours

Course description: This 'course' provides a remote lab containing the Cúram application development environment (ADE) and sample projects. The lab is the same environment that is used in the *Merative Cúram for Developers (ADE) 8.X (CUR090)* and *Merative Cúram for Developers (Customization) 8.X (CUR091)* courses. The sandbox environment includes a lightweight Cúram development installation, the Course Workshop, and the standard Cúram development installation. The Course Workshop allows you to experiment with development features quickly and safely.

Audience: This remote lab is aimed at developers and technical architects. It is particularly useful for those preparing for Cúram Developer V8.X – Accreditation and Certification and who need more lab time, or for anyone who wants to try out the development features of Cúram 8.X. Learners have access to the sandbox for 50 hours of actual usage over 180 days.

Prerequisites: Before taking this course, learners must have completed the following course:

- *Merative Cúram for Developers (ADE) 8.X (CUR090) and*
- *Merative Cúram for Developers (Customization) 8.X (CUR091)*, or
- Any previous version of the Cúram developer courses.

Objectives:

Using this environment, learners should be able to do the following:

- Try out features of the Cúram ADE to create simple end-to-end solutions by using the Course Workshop.
- Implement solutions for exercises from the Cúram for Developers courses.
- Implement solutions for the certification preparation case studies.
- Customize out-of-the-box applications compliantly by using the standard Cúram development installation.
- Perform gap analysis within Cúram to determine the changes required for customizations.
- Prepare for Cúram V8.X, Application Development certification.

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CUR104 – Merative Cúram Citizen Engagement Server-Side for Developers

Duration: 24 hours

Course description: Citizen Engagement allows individuals to explore and apply for relevant programs and manage their interactions with agencies through citizen accounts. It includes both server-side components—such as the Universal Access Application Module—and the client-side assets Cúram Design System and UA Web App.

This course provides learners with the technical skills needed to configure and customize server-side features of the Merative Cúram Citizen Engagement solution.

Throughout the course, learners will gain hands-on experience with the server-side configuration and technologies that support Citizen Engagement, but also internal screening and program applications that are performed by caseworkers. They will also learn how to tailor out-of-the-box components to meet specific agency requirements. Learners will design and implement a simple end-to-end application that enables citizens to perform eligibility screening, program application, and view their benefits via the citizen account.

Audience: This intermediate course is aimed at developers and technical architects.

Prerequisites: You should have completed the following course:

- *Merative Cúram 8.X Technical Overview (CUR089)*

Objectives:
After completing the course, learners should be able to:

- Use Merative Citizen Engagement features.
- Configure Screening.
- Configure Program Application and Intake.
- Map application data to entities and PDF forms.
- Configure Citizen Account.
- Configure Life Events.
- Customize Cúram Universal Access features and provided artifacts compliantly.
- Outline the security features of Cúram Universal Access.
- Troubleshoot configuration issues.

Note: Learners can earn a digital badge by successfully completing a quiz and practical exercise, which are available in *CUR104_B - Merative Cúram CE Server-Side for Developers Badge.*

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CUR105 – Merative Cúram GHHS Web Design System for Designers

Duration: 5-6 hours approximately

Course description: This course introduces the learner to the following topics:

- Importance of user-centered design in the development of digital services and web apps
- Increasing number and impact of national web design systems
- Layout and contents of the U.S. Web Design System (USWDS)
- Fundamentals of the design process
- Merative Cúram Government Health and Human Services Web Design System

The course explains the importance of design in the development of usable web apps and digital services. It also places the importance of design in the context of governments across the world setting up national web design systems. The course discusses the concept of web design systems and explains why governments worldwide are creating these systems. The course covers user-centered, iterative design processes, with a focus on Design Thinking. The course also introduces learners to the Merative Cúram Government Health and Human Services Web Design System.

Audience: This course is intended for a mixed audience of Business Analysts (BAs), Developers, and Graphic Designers who work on Cúram implementation projects. Specifically, the course is aimed at BAs, Developers, and Designers who contribute to the design of Cúram web apps or digital services. The course covers the design processes and methodologies that Cúram personnel are likely to encounter on implementation projects.

Prerequisites: Learners should have a working knowledge of health and human services programs and experience of typical business analysis activities related to system implementations

Objectives:

After completing the course, learners should be able to:

- Explain the purpose of government web design systems.
- State general design guidelines, including accessibility and theming.
- Provide an overview of how Design Thinking is used in Cúram.
- Identify the components of the Cúram GovHHS Web Design System.
- Interpret the guidelines for using the components of the Cúram GovHHS Web Design System.

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CUR080 (9D80G) – IBM SPM Design System for Developers

Duration: 16 hours

Course description: The SPM Design System is built specifically to help create government web applications to the highest usability and accessibility standards. The Design System includes best practices, design principles, imagery, and brand style. Developers need a practical understanding of the SPM Design System so that they can develop high-quality web applications for citizens and other users. During the course, learners will install the SPM Design System, set up the development environment, develop pages by using Design System components, integrate with the Cúram SPM server, and test their pages. At the beginning of the course, learners will review the main third-party technologies that are used during the course. At the end of the course learners will implement a prototype solution.

Audience: This course is intended primarily for developers and technical architects who will work on Cúram implementation projects that use the SPM Design System. This course is also useful for testers and support staff who will work with the SPM Design System.

Prerequisites: The following course is recommended before taking this course:

- *Merative Cúram GHHS Web Design System for Designers (CUR105).*

In addition, learners must have some experience of using the following technologies:

- HTML, CSS, JavaScript (ES6)
- JSX and React

Contact Merative education for recommended resources to help build this knowledge.

Objectives:

After completing the course, learners will be able to:

- Describe the purpose of the web app development technologies and tools that are used on the course.
- Outline the technical foundation of the IBM SPM Design System.
- Install the Design System and configure the development tools.
- Implement pages using Design System components.
- Configure the theme and style of pages.
- Use a JSON server to simulate server interactions via a REST API.
- Access a REST API on a Cúram Server.
- Write simple unit tests for a component.
- Troubleshoot page errors using the IDE debugger and browser tools.
- List considerations for adding custom and third-party components.
- List useful resources for front-end development.

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CUR081 (9D81G) – IBM Universal Access for Developers (Responsive Web Application)

Duration: 16 hours

Course description: The UA Responsive Web Application allows citizens to access the functions of Universal Access on any device. The UA Responsive Web Application is built using the SPM Design System, the React JavaScript library, and Redux. Developers must understand the structure of the UA Responsive Web Application so that they can customize and extend it to produce high-quality citizen services. During the course, learners will install the web application, add custom pages, fetch data from the server, and manage custom state using Redux. In addition, developers will investigate the server configuration and REST APIs that are necessary to support the web application.

Audience: This course is intended primarily for developers and technical architects who will work on Cúram implementation projects that customize and extend the UA Responsive Web Application. This course is also useful for testers and support staff who will work with the UA Responsive Web Application.

Prerequisites: Learners must complete the following courses before taking this course:

- *Merative Cúram GHHS Web Design System for Designers (CUR105)*
- *IBM SPM Design System for Developers (9D80G)*

In addition, learners must have some experience of using the following technologies:

- HTML, CSS, JavaScript (ES6)
- JSX and React
- Redux

Contact Merative education for recommended resources to help build this knowledge.

Objectives:

After completing the course, learners will be able to:

- Describe the purpose of Merative Cúram Universal Access.
- Outline the features of the Universal Access Responsive Web Application.
- Install the Universal Access Responsive Web Application.
- Customize and extend the starter web application.
- Mock REST APIs using the Mock Server.
- Implement state management using Redux.
- Describe how the web app fetches configuration and server data from the SPM server.
- Describe the approach for handling and reporting exceptions.
- Describe the support for creating localized applications.
- Outline the security features of the web app.

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CUR082 (9D82G) – IBM Cúram SPM Intelligent Evidence Gathering (IEG) for Developers

Duration: 24 hours

Course description: Intelligent Evidence Gathering (IEG) is a Cúram technology that is used to create dynamic scripts. IEG is used by Cúram applications to gather data from internal workers and citizens who use fixed and mobile devices. This course describes how to develop IEG scripts and integrate these scripts into Cúram applications.

Audience: This course is intended primarily for developers and technical architects who will work on Cúram implementation projects. The course is also useful for anyone who needs a technical understanding of IEG.

Prerequisites: It is recommended that learners complete the following course before taking the IEG course:

- *Merative Cúram 8.X Technical Overview (CUR089)*

Objectives:

After completing the course, learners will be able to:

- Briefly describe the Cúram features that use IEG scripts.
- Define Datastore schemas.
- Create scripts consisting of flow control, relationships, and summary pages.
- Configure validation and custom functions.
- Configure features specific to Java-based and React-based players.
- Configure Cúram Universal Access to run scripts.
- Customize out-of-the-box Datastore schemas and IEG scripts.
- Troubleshoot typical IEG scripting errors.
- Access reference information.

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CUR068 (9D68G) – Merative Cúram – Developing REST APIs

Duration: 8 - 10 hours

Course description: This course provides students with a technical understanding of developing REST APIs for Cúram Social Program Management (SPM). Cúram provides REST APIs to enable mobile applications for citizens and care workers to access Cúram services remotely. In addition, REST APIs are used by Merative Cúram Child Welfare. SPM provides REST APIs and an infrastructure to create custom REST APIs to allow mobile and other applications access Cúram resources. This course describes how to develop REST APIs for Cúram by using recommended practices. During the course, students will design and implement a simple REST API.

Audience: This intermediate course is aimed at developers and technical architects.

Prerequisites: You must have completed the following course or any previous version of this course:

- *Merative Cúram for Developers (ADE) 8.X (CUR090)*.

Objectives:

- Describe where REST APIs are used in Cúram.
- Access out-of-the-box REST APIs
- Design, model, implement, and test a REST API
- Add error handling to a REST API
- List references and resources for developing REST APIs.

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CUR099 – Merative Cúram Express Rules for Developers V8.X

Duration: 32 hours

Course description: This training course provides students with a technical understanding of developing Cúram Express Rules (CER) for Merative Cúram.

Gaining a practical understanding of a complex area of the Cúram product such as CER is vital for anyone seeking to implement the Eligibility & Entitlement (and Decision Details) Rules that Product Delivery cases rely on. It is also invaluable for those seeking to develop Screening and Evidence Validation in Cúram, where CER can play a significant role.

In this course, students will also learn about the CER language and toolset, all the while developing muscle memory through real-world exercises in a bespoke Cúram Lab Environment.

Audience: This course is intended primarily for developers and technical architects who will work on SPM implementation projects

Prerequisites: You should have completed Cúram technical fundamentals training:

- *Merative Cúram for Developers (ADE) 8.X (CUR090),* and
- *Merative Cúram for Developers (Customization) 8.X (CUR090),* or
- any previous version of these courses.

Objectives:

- Build Cúram Express RuleSets to determine Eligibility and Entitlement.
- Develop functioning RuleSets to display the Determination Results of the Eligibility and Entitlement Rules.
- Use Developer tools to configure, test, and debug rule sets.
- Access and interpret product guides for implementing CER rules.

Note: After you complete this course, you can take the following badge to to measure your grasp of some of the material covered in Course CUR099:

- *CUR099_B - Merative Cúram Express Rules for Developers V8.X Badge*

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CUR111 – Merative Cúram Evidence for Developers

Duration: 24 hours

Course Description: This course provides developers with insights and hands-on experience of configuring Evidence in Cúram. It guides developers through how to define Dynamic Evidence in Cúram, as well as how to apply Dynamic Evidence Types to existing Case Types. Learners will appreciate what it means to configure the Evidence Broker as well as how to define and use Evidence Verification functionality.

Audience: This course is designed for developers looking to understand how to configure Dynamic Evidence in the Cúram Platform.

Prerequisites: Before accessing this course, learners should have completed *CUR090 – Merative Cúram for Developers (ADE) 8.X* and *CUR110 – Introduction to Cúram Evidence*.

Objectives:
After completing the course, learners should be able to:

- Define and employ the key phases of delivering new Evidence Types
- Use the Dynamic Evidence Editor to create and manage the Model and User Interface of Dynamic Evidence Types
- Explain the different contexts of modifying Dynamic Evidence Types and their significance
- Extract Dynamic Evidence Types to the filesystem
- Summarize the differences between Static and Dynamic Evidence frameworks
- Explain the role of the Evidence Broker and when it is employed
- Configure both Identical and Logically Equivalent Evidence Sharing
- Describe the Rulesets Cúram generates from Dynamic Evidence Types and how they are used as part of Eligibility & Entitlement
- Configure Evidence Verification and describe how it works
- Perform localization of the Editor and Dynamic Evidence screens

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CUR062 - Merative Cúram Batch Processing for Developers

Duration: 2 hours

Course description: The course provides an overview of batch processing in Cúram. It also describes how batch jobs are developed and how streaming and chunking architecture can be used to improve performance. Finally, the course describes how SPM batch processes use the DB-JMS to access application server functions.

Audience: This course is intended primarily for developers and technical architects who will work on Cúram implementation projects.

Prerequisites: It is recommended that learners complete the following course before taking the IEG course:

- *Merative Cúram for Developers (ADE) 8.X (CUR090)*, or any previous version of this course.

Objectives:
After completing the course, learners will be able to:

- Provide an overview of batch processing in Cúram.
- Outline how to manage and run batch jobs.
- Describe how to develop, configure, and run streamed batch jobs.
- Describe how Cúram batch processes use the DB-to-JMS mechanism to access application-server functionality.
- List references for Cúram batch processing.

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CUR086 - Merative Cúram on Kubernetes for Developers

Duration: 16 hours

Course description: This course provides the essential knowledge and resources to help technical roles implement and manage Merative Cúram Social Program Management (SPM) deployments on Kubernetes. This course also guides you through the many resources to help you build your knowledge of cloud, continuous integration/continuous delivery (CI/CD), and containerization technologies.

The first section presents an overview of cloud, containerization technologies and CI/CD pipelines, which are prerequisites for the course. The next section provides a deeper knowledge of Docker, Kubernetes, and Helm, and how they can be used to deploy Cúram on Kubernetes. This section also dives deeper into CI/CD pipelines and the common tools that are employed in pipelines. The last section concentrates on developing and operating Cúram on Kubernetes

Audience: This is a technical course and is suited to learners with a technical background, such as developers, architects, DevOps engineers, and system administrators.

Prerequisites: None

Objectives:
After completing the course, learners will be able to:

- Describe the key cloud and containerization terms and concepts, including Docker, Kubernetes, and Helm
- Outline the DevOps approach to software development.
- Use common tools to implement a CI/CD pipeline.
- Configure containers for SPM images using Docker.
- Configure and manage Kubernetes clusters.
- Create and deploy Helm charts for SPM using best practices.
- Select best practices to help you manage and operate your SPM cloud solution.

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9D52G – IBM Cúram Workflow for Developers

Duration: 40 hours

Course description: This course provides you with a technical understanding of developing Cúram workflows. Workflow supports the automation of business processes and allows work to be routed among individuals, departments, and the automated parts of the system. Merative Cúram Social Program Management (SPM) applications provide workflow process definitions to support a range of business processes that bring efficiency benefits to organizations. This course describes how to design and implement workflow process definitions. At the end of the course, you will design and implement a workflow for a business process.

Audience: This intermediate course is aimed at developers and technical architects.

Prerequisites: You should have completed Cúram developer fundamentals training:

- *Merative Cúram for Developers (ADE) 8.X (CUR090),* and
- *Merative Cúram for Developers (Customization) 8.X (CUR091),* or
- any previous version of these courses.

Objectives:

After completing the course, learners should be able to:

- Use the PDT to create and manage process definitions.
- Define Workflow Data Objects (WDO) and data mappings.
- Configure flow control features.
- Enact workflow process instances.
- Configure manual activities.
- Configure decision activities and notifications.
- Implement a work allocation strategy to allocate tasks.
- Troubleshoot workflow design and implementation issues.
- Customize a Cúram application workflow.

Note: Limited Availability. Please contact Cúram Education for details.

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