

IBM Cúram Social Program Management  
Version 7.0.2

*Propagating Non Cúram Data For Cúram  
Express Rules*



**Note**

Before using this information and the product it supports, read the information in [“Notices” on page 3](#)

**Edition**

This edition applies to IBM® Cúram Social Program Management v7.0.2 and to all subsequent releases unless otherwise indicated in new editions.

Licensed Materials - Property of IBM.

© **Copyright International Business Machines Corporation 2012 , 2018.**

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

---

# Contents

- List of Tables..... iv**
  
- Chapter 1. Propagating non Cúram Data for Cúram Express Rules..... 1**
  - Introduction..... 1
  - About This Guide..... 1
  - Audience..... 1
  - Related Reading..... 1
  - Process Overview..... 1
  - Introduction..... 1
  - Process Details..... 2
  
- Notices..... 3**
  - Privacy Policy considerations..... 4
  - Trademarks..... 4

---

# List of Tables

1. Description of Related Reading.....1

---

# Chapter 1. Propagating non Cúram Data for Cúram Express Rules

Use this information to learn how to run the batch program to store initial CER rule objects for rate data that is loaded into the system outside of application APIs. When rate table data is published via the application APIs, the system creates, updates, or removes stored CER rule objects as appropriate. The exact data that is written is configured via the CER rule object propagators.

---

## Introduction

### About This Guide

This guide outlines how to run the batch program included with the application to store initial CER Rule Objects for rate data loaded into the system outside of the application's APIs.

### Audience

This guide is intended for system administrators, in particular those involved with the deployment and data loading of a new system.

### Related Reading

There are several related documents, some of which provide helpful background information, others that provide more detailed information on topics covered in this guide. The following provides a brief description of the related reading materials available:

<i>Table 1: Description of Related Reading</i>	
<b>Document Name</b>	<b>Description</b>
Cúram Express Rules Reference Manual	This provides full details of Cúram Express Rules and the Dependency Manager.
Inside Cúram Eligibility and Entitlement Using Cúram Express Rules	This provides full details of Rule Object Propagation, and how it works.

---

## Process Overview

### Introduction

When rate table data is published via the application's APIs, the system creates, updates or removes stored CER Rule Objects as appropriate. The exact data written is configured via the CER Rule Object Propagators. See "Understanding Rule Object Propagators and Converters" in the Inside Cúram Eligibility and Entitlement Using Cúram Express Rules guide for further details.

In contrast, there may be situations where the rate data on a production system is created, modified or removed outside of application's APIs, in particular, the initial bulk population of business data via the use of SQL scripts to insert large volumes of data. Under these circumstances, no CER Rule Objects will be stored and the system will not yet be in a usable state.

The application includes a batch program to create CER Rule Objects for rate data which was inserted into a system outside of the application's APIs. You must run this program so that any functionality that relies on CER use of this data will operate correctly.

If you choose to populate your production data in a series of migrations, then you must run the batch program each time you create new production data. The batch program will only take action for newly-populated data and will automatically ignore existing data which has been processed by a previous run of the batch program.

**Important:** As this process creates data essential to the correct operation of the system, it must be run before any other processing is done on the system (e.g. system startup)

## Process Details

The following provides full details of the steps that should be taken to ensure all rate data loaded has been fully propagated to CER Rule Objects.

The business processing included with the application only stores CER Rule Objects in one area, namely for rate tables. The processing detailed below caters only for the creation of initial CER Rule Objects for rate tables.

Therefore:

- if you have not bulk-populated rate table data, you do not need to follow these steps; and
- if you have custom processing which stores its own CER Rule Objects, you must also create your own custom processing to create those rule objects for any bulk-populated initial data.

## Initial Setup

### The RuleObjectPropagatorControl Database Table

This table contains a single row which indicates whether or not initial rule object propagation has been run, and is used by the system to decide whether or not to automatically attempt to create CER Rule Objects for initial data upon system startup.

The attribute *executed* on this row must be set to a value of *1* (or *true*) to prevent this automatic CER Rule Object creation from happening when the batch program is run.

### Running the Rate Table Rule Object Propagator Batch Program

You can choose to either:

- run one instance of the batch program with no parameters, to process all rate tables in the system; or
- run a separate instance of the batch program for each specific rate table.

### Name

The batch process is named `curam.core.sl.infrastructure.rate.intf`  
`.RateCreateInitialRuleObjects.propagateRateTable`.

### Parameters

The `RateCreateInitialRuleObjects` batch program takes the following parameter:

- *rateTableType* - The rate table to process (or blank to process all rate tables).

## Notices

---

This information was developed for products and services offered in the United States.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

*IBM Director of Licensing IBM Corporation North Castle Drive, MD-NC119 Armonk, NY 10504-1785 US*

For license inquiries regarding double-byte character set (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

*Intellectual Property Licensing Legal and Intellectual Property Law IBM Japan Ltd. 19-21, Nihonbashi-Hakozakicho, Chuo-ku Tokyo 103-8510, Japan*

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM websites are provided for convenience only and do not in any manner serve as an endorsement of those websites. The materials at those websites are not part of the materials for this IBM product and use of those websites is at your own risk.

IBM may use or distribute any of the information you provide in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

*IBM Director of Licensing IBM Corporation North Castle Drive, MD-NC119 Armonk, NY 10504-1785 US*

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

The performance data and client examples cited are presented for illustrative purposes only. Actual performance results may vary depending on specific configurations and operating conditions.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

Statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

All IBM prices shown are IBM's suggested retail prices, are current and are subject to change without notice. Dealer prices may vary.

This information is for planning purposes only. The information herein is subject to change before the products described become available.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to actual people or business enterprises is entirely coincidental.

#### COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM shall not be liable for any damages arising out of your use of the sample programs.

## Privacy Policy considerations

---

IBM Software products, including software as a service solutions, ("Software Offerings") may use cookies or other technologies to collect product usage information, to help improve the end user experience, to tailor interactions with the end user or for other purposes. In many cases no personally identifiable information is collected by the Software Offerings. Some of our Software Offerings can help enable you to collect personally identifiable information. If this Software Offering uses cookies to collect personally identifiable information, specific information about this offering's use of cookies is set forth below.

Depending upon the configurations deployed, this Software Offering may use session cookies or other similar technologies that collect each user's name, user name, password, and/or other personally identifiable information for purposes of session management, authentication, enhanced user usability, single sign-on configuration and/or other usage tracking and/or functional purposes. These cookies or other similar technologies cannot be disabled.

If the configurations deployed for this Software Offering provide you as customer the ability to collect personally identifiable information from end users via cookies and other technologies, you should seek your own legal advice about any laws applicable to such data collection, including any requirements for notice and consent.

For more information about the use of various technologies, including cookies, for these purposes, see IBM's Privacy Policy at <http://www.ibm.com/privacy> and IBM's Online Privacy Statement at <http://www.ibm.com/privacy/details> the section entitled "Cookies, Web Beacons and Other Technologies" and the "IBM Software Products and Software-as-a-Service Privacy Statement" at <http://www.ibm.com/software/info/product-privacy>.

## Trademarks

---

IBM, the IBM logo, and [ibm.com](http://www.ibm.com) are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at <http://www.ibm.com/legal/copytrade.shtml>.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

Java™ and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Other names may be trademarks of their respective owners. Other company, product, and service names may be trademarks or service marks of others.



Part Number:

(1P) P/N: