Cúram 8.1.2

Propagating Non Cúram Data For Cúram Express RulesPropagating Non Cúram Data For Cúram Express Rules Guide

Note

Before using this information and the product it supports, read the information in

Edition

This edition applies to Cúram 8.1, 8.1.1, and 8.1.2.

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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.

1.1 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:

Table 1: Description of Related Reading

Document Name	Description
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.

1.2 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.propa`

Parameters

The `RateCreateInitialRuleObjects` batch program takes the following parameter:

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

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