

IBM Cúram Social Program Management
Version 6.0.5

Cúram Regionalization Guide



Note

Before using this information and the product it supports, read the information in "Notices" on page 13

Revised: March 2014

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Developing for Regional Support

The regional settings of a Cúram application can be modified. Locale defaults can be altered which reflect their region's currency, date and time standards, and address formats.

Introduction

Purpose

This guide describes how to configure the regional settings of an application. After reading this guide, the reader should have an understanding of how to modify locale defaults to reflect their region's currency, date and time standards and address formats.

Audience

This guide is intended for developers and analysts responsible for customizing the region settings of the application to suit the business needs of an organization.

Prerequisites

A working knowledge of the development environment is needed to read this document.

Scope

A Locale represents a specific geographical, political, or cultural entity. It encapsulates user interface language, date and time formats, number and currency formats and other settings. Locales consist of a language with an optional region identifier, for example: English (British) en_GB or German (Germany) de_DE.

This guide covers the customization of currency, date and time formats, address formats and other non-linguistic aspects of a given locale.

It does not cover how to translate the user interface of the application.

Chapters in this Guide

The following list describes the chapters within this guide:

“Regional Settings.” This chapter details the changes needed to set currency, date and time standards and address formats in the application.

“Settings Reference” on page 4. This chapter provides a detailed reference of region settings in the application.

Regional Settings

Introduction

This chapter details the changes needed to customize the currency, date and time standards, and address formats in the Development Environment.

Configuring Regional Settings

To set your locale defaults for en, en_US or en_GB locale, follow the settings listed below for that locale.

You can use these settings as a guide if you want to alter the locale defaults.

bootstrap.properties

Update the following properties in:

EJBServer\project\properties\bootstrap.properties

Table 1. bootstrap.properties settings

Property Name	en	en_US	en_GB
curam.environment.default.dateformat	M d yyyy	M d yyyy	d M yyyy
curam.environment.default.dateseparator	/	/	/
curam.DMX.locale	en	en_US	en_GB

Note: M d y values follow Java™'s SimpleDateFormat syntax.

Application.prx

Update the following properties according to the locale you are implementing in:

EJBServer/project/properties/Application.prx

Table 2. Settings for en locale

Property Name	Value
curam.environment.default.locale	en
curam.financial.basecurrency	USD
curam.financial.currencysymbol	\$
curam.financial.currencysymbolplacement	before
curam.miscapp.defaultdateformat	Date_mdy_ext
curam.address.addressDataLocaleForDefaultAddress	en

Table 3. Settings for en_US locale

Property Name	Value
curam.environment.default.locale	en_US
curam.financial.basecurrency	USD
curam.financial.currencysymbol	\$
curam.financial.currencysymbolplacement	before
curam.miscapp.defaultdateformat	Date_mdy_ext
curam.address.addressDataLocaleForDefaultAddress	en_US

Table 4. Settings for en_GB locale

Property Name	Value
curam.environment.default.locale	en_GB
curam.financial.basecurrency	GBP
curam.financial.currencysymbol	£

Table 4. Settings for en_GB locale (continued)

Property Name	Value
curam.financial.currencysymbolplacement	before
curam.miscapp.defaultdateformat	Date_dmy_ext
curam.address.addressDataLocaleForDefaultAddress	en_GB

Code Table Settings

Update the following Code Table values according to the locale you are implementing in:

EJBServer\components\core\codetable

Table 5. Settings for en locale

Code Table	Settings
CT_Currency.ctx	Locate the value="USD" set default="true" set existing default to false.
CT_Nationality.ctx	Locate the value="NT5" set default="true" set existing default to false.
CT_Country.ctx	Locate the value="US" set default="true" set existing default to false.
CT_addressLayoutType.ctx	Locate the value="US" set default="true" set existing default to false.
CT_Locale.ctx	Locate the value="en" set default="true" set existing default to false.

Table 6. Settings for en_US locale

Code Table	Settings
CT_Currency.ctx	Locate the value="USD" set default="true" set existing default to false.
CT_Nationality.ctx	Locate the value="NT5" set default="true" set existing default to false.
CT_Country.ctx	Locate the value="US" set default="true" set existing default to false.
CT_addressLayoutType.ctx	Locate the value="US" set default="true" set existing default to false.
CT_Locale.ctx	Locate the value="en_US" set default="true" set existing default to false.

Table 7. Settings for en_GB locale

Code Table	Settings
CT_Currency.ctx	Locate the value="GBP" set default="true" set existing default to false.
CT_Nationality.ctx	Locate the value="NT2" set default="true" set existing default to false.
CT_Country.ctx	Locate the value="GB" set default="true" set existing default to false.
CT_addressLayoutType.ctx	Locate the value="UK" set default="true" set existing default to false.
CT_Locale.ctx	Locate the value="en_GB" set default="true" set existing default to false.

ApplicationConfiguration.properties

Update the following properties in:

webclient/JavaSource/curam/omega3

/ApplicationConfiguration.properties

Table 8. ApplicationConfiguration.properties settings

Property Name	en	en_US	en_GB
dateformat	M d yyyy	M d yyyy	d M yyyy
dateseparator	/	/	/

Note: M d y values follow Java's SimpleDateFormat syntax.

Environment Variables

Set the following Environment Variables:

Table 9. Environment Variables

Environment Variable	en	en_US	en_GB
SERVER_LOCALE_LIST	en, en_US, en_GB	en, en_US, en_GB	en_GB, en_US, en
LOCALE_LIST	en	en_US	en_GB

Settings Reference

Introduction

This chapter covers individual configuration settings in detail.

Bootstrap properties

The Bootstrap.properties file is used to specify database settings and other server side properties including date format and separator.

Table 10. Settings

ID	Value	Details
curam.environment.default.dateseparator	, or / or -	Overrides the default date separator
curam.environment.default.dateformat	M/d/yyyy or d M yyyy etc.	Overrides the default date display pattern
curam.DMX.locale	en_US or en_GB etc.	Sets the database locale

Note: Data Manager XML (DMX) files store the locale information for the attributes for the database table. As the database must be built for only one locale, the Data Manager uses the curam.DMX.locale property to determine the locale that must be used when inserting data specified in DMX files onto the database. This property can be set in either the Bootstrap.properties file or as a system variable. If set in both the Bootstrap.properties file and as a system variable, the system variable will override the setting in the Bootstrap.properties file.

This property must be set to a valid locale, i.e. in the format language_Country, where language is mandatory and country is optional. For example, curam.DMX.locale=en_US

If this property is not set, the infrastructure will fall back on the en locale.

Table 11. Bootstrap.properties details

Type	Value
Setting	Bootstrap.properties settings
Setting Type	Override String values
Path	\EJBServer\project\properties
Filename	Bootstrap.properties

Application Configuration properties

The ApplicationConfiguration.properties file specifies application server-related properties, including date format settings used when displaying dates or when interpreting dates entered by the user.

Tip: See the *Cúram Web Client Reference Manual* for more information.

Table 12. Settings

ID	Value	Details
dateseparator	, or / or -	Overrides the default date separator
dateformat	M/d/yyyy or dd MM yyyy etc.	Overrides the default date display pattern

Table 13. Application Configuration details

Type	Value
Setting	ApplicationConfiguration settings
Setting Type	Override String values
Path	\webclient\JavaSource\curam\omega3
Filename	ApplicationConfiguration.properties

I18n.properties files

Client Development Environment using Java (CDEJ) Resources

The CDEJ_Resources_<locale>.properties file contains strings that are used to display various application-wide locale specific features, such as:

- Error message icons and ALT Text
- Strings used in menus and navigation
- Translatable fields for address elements
- Data/Calendar selector strings
- Application icons
- Calendar validation format strings
- UI Tooltips

Table 14. Settings

ID	Value	Details
curam.validation.calendar.dateTimeFormat	hh:mm	Overrides the default time format
curam.validation.calendar.dateFormat	M/d/yyyy or dd MM yyyy etc.	Overrides the default date display pattern

Table 15. CDEJ Resources details

Type	Value
Setting	CDEJ Resources
Setting Type	Override String values
Path	\webclient\JavaSource\curam\omega3\i18n
Filename	CDEJ_Resources_<locale>.properties

CDEJ Calendar Strings

The Calendar_<locale>.properties file contains overrides for strings that are used to display application-wide locale specific Calendar values.

Table 16. Settings

ID	Value	Details
DayView.DateBar.DatePattern	EEEE d MMMM	Overrides the default date display pattern
WeekView.DateBar.DatePattern	W - MMMM	Overrides the default date display pattern
MonthView.DateBar.DatePattern	MMMM/y	Overrides the default date display pattern
WeekView.DatePattern	EEEE d MMMM	Overrides the default date display pattern
MonthView.DayFormat	long	Chooses how to display day names in long (e.g. Monday) or short (e.g. Mon) format

Table 17. CDEJ Calendar Strings details

Type	Value
Setting	CDEJ Calendar Strings
Setting Type	Override String values

Table 17. CDEJ Calendar Strings details (continued)

Type	Value
Path	\webclient\JavaSource\curam\omega3\i18n
Filename	Calendar_<locale>.properties

Frequency Pattern Selector

The FrequencyPatternSelector_<locale>.properties file contains values used by the Frequency Pattern Selector widget. These primarily consist of strings/labels used by the widget.

Table 18. Frequency Pattern Selector details

Type	Value
Setting	Frequency Pattern Selector
Setting Type	Override String values
Path	\webclient\JavaSource\curam\omega3\i18n
Filename	FrequencyPatternSelector_<locale>.properties

Gantt Chart Currency Symbol

The GanttChart_<locale>.properties file contains the currency symbol used when displaying currency amounts in the Gantt chart.

Table 19. GanttChart Currency Symbol details

Type	Value
Setting	GanttChart Currency Symbol
Setting Type	Override String values
Path	\webclient\JavaSource\curam\omega3\i18n
Filename	GanttChart_<locale>.properties
Sample Value	€ or \$

Project Properties

Application Properties (.PRX)

The Application.prx file contains the properties used when running an application.

Tip: See the *Cúram Server Developer's Guide* for more information.

Table 20. Application Properties (.PRX) details

Type	Value
Setting	Application properties file
Setting Type	Application properties
Path	\EJBServer\project\properties
Filename	Application.prx

Application Properties (.PRX) settings

Table 21. Application.prx settings

ID	Value	Details
curam.environment.default.locale	<value>en_GB </value> <default-value>en_GB </default-value>	Specifies the default value of the locale code that is used on the server if one is not set
curam.financial.basecurrency	<value>EUR </value> <default-value>EUR </default-value>	Application base currency
curam.miscapp.defaultdateformat	<value>Date_mdy_ext </value> <default-value> Date_mdy_ext </default-value>	Date/time format used in server messages displayed on the client
curam.address.addressDataLocaleForDefaultAddress	<value>en_GB </value> <default-value>en_GB </default-value>	Sets the locale for the address data when creating an address for which no details are provided
curam.rules.default.locale	<value>en_GB </value> <default-value>en_GB </default-value>	Constant for property name specifying the default locale to be used by the Rules Editor API

Code Tables

Default Currency

The CT_Currency.ctx file lists the available currency options and includes a single default currency.

To override the currently selected value, locate the appropriate currency value within the file and change the default="false" option to read default="true".

Check the file to ensure that no other currency values are defaulted to "true".

Table 22. Default Currency details

Type	Value
Setting	Default Currency
Setting Type	Codetable values
Path	\EJBServer\components\core\codetable
Filename	CT_Currency.ctx
Sample Value	<code default="true" java_identifier="EURO" status="ENABLED" value="EUR">

Default Nationality

The CT_Nationality.ctx file lists the available nationality options and includes a single default nationality.

To override the currently selected value, locate the appropriate nationality value within the file and change the default="false" option to read default="true".

Check the file to ensure that no other nationality values are defaulted to "true".

Table 23. Default Nationality details

Type	Value
Setting	Default Nationality
Setting Type	Codetable values
Path	\EJBServer\components\core\codetable
Filename	CT_Nationality.ctx
Sample Value	<code default="true" java_identifier="" status="ENABLED" value="NT2">

Default Country

The CT_Country.ctx file lists the available country options and includes a single default country.

To override the currently selected value, locate the appropriate country value within the file and change the default="false" option to read default="true".

Check the file to ensure that no other country values are defaulted to "true".

Table 24. Default Country details

Type	Value
Setting	Default Country
Setting Type	Codetable values
Path	\EJBServer\components\core\codetable
Filename	CT_Country.ctx
Sample Value	<code default="true" java_identifier="GB" status="ENABLED" value="GB">

Default Address Layout Type

The CT_addressLayoutType.ctx file lists the available country address layouts options and includes a single default country address layouts.

To override the currently selected value, locate the appropriate country address layout value within the file and change the default="false" option to read default="true".

Check the file to ensure that no other country address layouts values are defaulted to "true".

Table 25. Default Address Layout Type details

Type	Value
Setting	Default Address Layout Type

Table 25. Default Address Layout Type details (continued)

Type	Value
Setting Type	Codetable values
Path	\EJBServer\components\core\codetable
Filename	CT_addressLayoutType.ctx
Sample Value	<code default="true" java_identifier="UK" status="ENABLED" value="UK">

Codetable Language

The CT_CodetableLanguage.ctx file lists the available codetable languages and includes a single default value.

To override the currently selected value, locate the appropriate language value within the file and change the default="false" option to read default="true".

If your target language is not present, add the value and check the file to ensure that no other language values are defaulted to "true".

Table 26. Codetable Language details

Type	Value
Setting	Codetable Language
Setting Type	Codetable values
Path	\EJBServer\components\core\codetable
Filename	CT_CodetableLanguage.ctx
Sample Value	<code default="true" java_identifier="" status="ENABLED" value="en_GB">

Language

The CT_Language.ctx file lists the available selectable languages values and includes a single default value.

To override the currently selected value, locate the appropriate language value within the file and change the default="false" option to read default="true".

If your target language is not present, add the value and check the file to ensure that no other language values are defaulted to "true".

Table 27. Language details

Type	Value
Setting	Language
Setting Type	Codetable values
Path	\EJBServer\components\core\codetable
Filename	CT_Language.ctx
Sample Value	<default="true" java_identifier="ENGLISH" status="ENABLED" value="LN1">

Available Locales

The CT_Locale.ctx file lists the available locales and includes a single default value.

To override the currently selected value, locate the appropriate locale value within the file and change the default="false" option to read default="true".

If your target locale is not present, add the value and check the file to ensure that no other locale values are defaulted to "true".

Table 28. Available Locales details

Type	Value
Setting	Available Locales
Setting Type	Codetable values
Path	\EJBServer\components\core\codetable
Filename	CT_Locale.ctx
Sample Value	<code default="true" java_identifier="ENGLISH_GB" status="ENABLED" value="en_GB" >

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