IBM Cúram Social Program Management

IBM

IBM Cúram Social Program Management Installation Guide

Version 6.0.5

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Chapter 1. Introduction

1.1 Overview

This guide describes how to install and configure the software required to build and/or run the IBM Cúram Social Program Management application suite.

Installers of IBM Cúram Social Program Management are supplied in two formats:

- IBM Cúram Runtime which is an "out of the box" build for WebSphere or Oracle WebLogic Application Servers on the Microsoft Windows platform that allows you to deploy the application suite without having to perform the build process. It is particularly useful for demonstration purposes. It is not for use in a production environment.
- IBM Cúram Development which is the development environment for Cúram that allows you to customize Cúram and build it to your requirements. Cúram Development consists of the IBM Cúram Social Program Management Platform and several optional components.

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Chapter 2. IBM Cúram Social Program Management Runtime Installation

2.1 Introduction

This chapter describes how to install the IBM Cúram Social Program Management Runtime software.

The IBM Cúram Social Program Management Runtime is an "out of the box" build for WebSphere or Oracle WebLogic Application Servers on Microsoft Windows platforms that allows you to quickly deploy to an application server without having to perform the build process. It is particularly useful for demonstration purposes.

Depending on your license agreement, the IBM Cúram Social Program Management Runtime is available in a number of different configurations.

See the `IBM Cúram Operations Guide` for more information on how to configure and administer a deployed Cúram application.

2.2 Pre-Installation

See the `Cúram Supported Prerequisites` document for detail of the environments in which the IBM Cúram Social Program Management software is supported.

Ensure that you have installed the following before attempting to install an IBM Cúram SPM Runtime:
- A database (DBMS);
- Apache Ant;
- WebSphere Application Server or Oracle WebLogic Application Server.

See the `Cúram Third Party Tools Installation Guide` for full detail on how to install these tools.

Consider the appropriateness of the "out of the box" cryptography configuration. While this configuration may be adequate for development and test environments you should plan in advance for changing the configuration when implementing in production. The *Cúram Security Handbook* covers cryptographic changes in detail.

2.3 Installation

2.3.1 Launching the Cúram Runtime Installer

The installer may be launched by double clicking on the provided `exe` file.

In conjunction with the installer a java and license folder are distributed as part of the media pack. These contain required resources that are utilized during the installation process.

2.3.2 Installation Steps

Having launched the installer the Welcome panel will be displayed. Click Next to begin the installation process. The installer will then guide you through a series of installation steps.

Note:
- As part of the installation process, you must select which Application Server the Cúram Application will be deployed on.

- During the installation the installer logs all installation processes to the following log file: /Installer/CuramInstaller.log
- As part of the installation process, you will be required to provide a database user name and password . You may specify any account name and password, however this account must have rights to create tables and execute SQL statements (such as the database administrator's account);

2.4 Post-Installation

Having successfully completed the installation you must compete the following steps prior to running a Cúram application.

- Configure the Application Server;
- Create the Cúram database;
- Import Searchable Data from Cúram Database.

2.4.1 Configuring the Application Server

IBM Cúram Social Program Management Platform provides a number of scripts that should be run to automatically configure your application server.

Note: The server named during installation will be created when the configure target is run; and any existing server configurations will be overwritten.

2.4.1.1 Application Server configuration

- To configure the Application Server click on Start -> Programs -> IBM Cúram -> Runtime -> Configure Application Server.

2.4.2 Create the Cúram Database

This section describes how to setup your database to work with IBM Cúram Social Program Management.

2.4.2.1 Database Set-up Utility

IBM Cúram provides a database setup utility which helps prepare your database for use with Cúram. The database setup performs the following steps:

- Creates the IBM Cúram Social Program Management database tables;

  Note: If there are any existing Cúram tables in your database, this step will destroy and recreate them.
- Populates the database with initial data required to start the Cúram Server Application;
- Populates the database with demonstration data;
- Populate the Cúram code tables with their default values;
- Creates database constraints, such as primary and foreign keys; and
- Creates database indexes to support Cúram database queries.

Note: It may take several minutes to complete the database set-up utility.

To run the database set-up utility:

- Click on Start -> Programs -> IBM Cúram -> Runtime -> Reset Database

2.4.2.2 Import Searchable Data from the IBM Cúram Database

After the database utility has been run, the search database extractor should be run. This utility converts searchable data from the IBM Cúram database into a format suitable for use by the Cúram Search Server. The extractor should complete quickly.

To run the search database extractor utility:

- Click on Start -> Programs -> IBM Cúram -> Runtime -> Import Searchable Data from Cúram Database

2.4.3 Installing a Cúram Application

IBM Cúram Social Program Management provides scripts for installing a Cúram Application onto your application server.

To run this script:
- Click on Start -> Programs -> IBM Cúram -> Runtime -> Install Server

2.4.4 Initialize the Global Search Server

The IBM Cúram Search Server needs to be initialized after installation and whenever the Cúram Application is restarted.

To run this script:
- Click on Start -> Programs -> IBM Cúram -> Runtime -> Initialize Lucene Search Server

If this step is omitted, the Cúram Search Server will initialize automatically on the first search request from the application.

2.4.5 Using the Cúram Application

Cúram Runtime provides scripts for starting, stopping and restarting the Cúram Application and a shortcut to the login page. These shortcuts can found at the following locations:
- Start -> Programs -> IBM Cúram -> Runtime -> Start Server
- Start -> Programs -> IBM Cúram -> Runtime -> Stop Server
- Start -> Programs -> IBM Cúram -> Runtime -> Restart Server
- Start -> Programs -> IBM Cúram -> Runtime -> Cúram Home Page

2.5 Uninstallation

An uninstaller has been provided for purposes on uninstalling the application. The Uninstaller is provided as a jar file.

jar files might be recognized as "executable" by virtue of being associated with a suitable launcher, e.g., javaw . If this is the case for your operating system, launch the Cúram Uninstaller using the standard method supported by your operating system (e.g. double-clicking the Cúram Installer file).

Note: The uninstaller will not reset any system variables set by a previous installation.

Chapter 3. IBM Cúram Social Program Management Development Installation

3.1 Introduction

This chapter describes how to install the IBM Cúram Social Program Management Development environment.

The IBM Cúram Social Program Management Development Environment is distributed as a series of installs. The IBM Cúram Social Program Management Platform is the required starting point, followed by a series of optional components.

See the `Cúram Supported Prerequisites` document for the operating system versions which support Cúram development.

See the `Cúram Server Developers Guide` and the `IBM Cúram Web Client Reference Manual` for more information on how to develop applications with Cúram.

3.2 A Note on Source Control

If your project is stored in a source-controlled environment depending on your requirements, the following may be required:
- Install IBM Cúram Social Program Management Platform and any optional components;
- Place the installed code base under source control; and
- Use your source-control procedures to distribute the environment to other developers.

In order to support future installations in addition to the application source and supporting artifacts the files in the /Installer folder must also be maintained in your source-controlled environment.

3.3 IBM Cúram Social Program Management Entry Editions

IBM Cúram Universal Access Entry Edition and IBM Cúram Outcome Management Entry Edition must be installed with their corresponding entry edition of IBM Cúram Social Program Management Platform.

These components cannot be installed in conjunction with any other IBM Cúram Social Program Management component.

3.4 Pre-Installation

See the `Supported Prerequisites` document for detail of the environments in which the IBM Cúram Social Program Management Development Environment is supported.

See the `Cúram Third Party Tools Installation Guide` for full detail on how to install these tools.

See the Release Notes provided as part of the media pack for the full detail on Pre-Installation steps, and any installation order requirements related to the optional component installers.

It is necessary to install the following third party tools before installing a Cúram Development installation:
- ANT
- DBMS

- Java SE/Java EE

The `Cúram Third Party Tools Installation Guide For Windows` and the `Cúram Third Party Tools Installation Guide For UNIX` detail the installation instructions for these tools.

Consider the appropriateness of the "out of the box" cryptography configuration. While this configuration may be adequate for development and test environments you should plan in advance for changing the configuration when implementing in production. The *Cúram Security Handbook* covers cryptographic changes in detail.

3.5 Installation

This section describes how to launch and install the IBM Cúram Social Program Management software.

3.5.1 Launching the Installer

On Microsoft Windows operating systems, the installer may be launched by double clicking on the provided `exe` file.

For installation on UNIX based operating systems, the installer is provided as a `jar` file.

In conjunction with the installer, a java and license folder are distributed as part of the media pack. These contain required resources that are utilized during the installation process.

Having launched the installer the Welcome panel will be displayed. Click Next to begin the installation process. The installer will then guide you through a series of installation steps.

Note:
- During the installation, the installer logs all installation processes to the following log file: `/Installer/CuramInstaller.log;`
- During the installation, the installer records a history is installations to the following log file: `/Installer/Installhistory.txt;`
- As part of the installation process, a database user name and password may be required. You may specify any account name and password, however this account must have rights to create tables and execute SQL statements (such as in the of the database administrator's account).

3.6 Post-Installation

This section details the post-install steps you need to perform:
- Install Third-Party Tools
- Configuration Test

3.6.1 Install third-party tools

Review the `Cúram Third Party Tools Installation Guide` and install and configure the required third party tools.

3.6.2 Configuration Test

Cúram Development installations ship with a "configuration test" tool which helps confirm that Cúram Development installation and third-party tools have been set up correctly. It is highly recommended that you run this tool in order to detect problems with your installation.

Before running the tool, ensure that you have completed the Apache ANT installation step detailed in the `Cúram Third Party Tools Installation Guide`.

To run the configuration test tools, open a command prompt and change directory to your installed EJBServer directory, and execute the following:

```
build configtest
```

Examine the output for warnings and errors.

3.7 Uninstallation

An uninstaller has been provided for purposes on uninstalling the application. The Cúram Uninstaller is provided as a jar file.

jar files might be recognized as "executable" by virtue of being associated with a suitable launcher, e.g., javaw . If this is the case for your operating system, launch the Cúram Uninstaller using the standard method supported by your operating system (e.g. double-clicking the Cúram Uninstaller file).

Note: The uninstaller will not reset any system variables set by a previous installation.

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