IBM Rational Synchronization Server 1.4.0.6 – Help

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Introduction

About the Integration

The Rational Synchronization Server is an extensible framework which can host any number of synchronizer plug-ins written in a compatible way. The Rational Synchronization Server comes with the following synchronizers:

- 1. Rational Change for Change Interface
- 2. Rational Change for Rational Team Concert Interface
- 3. Rational Change for ClearQuest Interface

Product Requirements

The following products are required to run the Synchronization Server. See the help for each individual synchronizer for information on products that are supported.

- o IBM JAVA 6 (32-bit)
- o Apache Tomcat™ 6.0.x (32-bit)

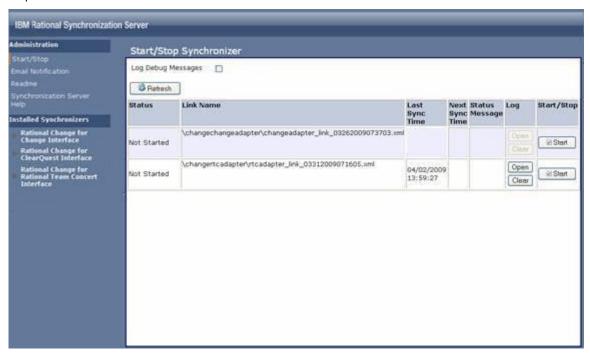
Synchronization Server Administration

To configure the Synchronization Server, you can use the web-based administration interface. You can access the admin interface by pointing your web browser at <a href="http://localhost:<port>/TlogicIntegration/admin/SyncFramework.html">http://localhost:<port>/TlogicIntegration/admin/SyncFramework.html, where <port> is the port number your Tomcat server is running on. You will be required to login to access the admin interface. Any user that has "administrator" role in Tomcat is valid. Tomcat users are defined in CATALINA_HOME/conf/tomcat-users.xml.

Users.xml.

Start / Stop Synchronizers

To start or stop synchronizers, click the **Start/Stop** link on the left side of the screen. All existing synchronizers and their respective statuses will be listed in the table as shown below:



If a synchronizer is not running, a **Start** button will be displayed in its row. Clicking **Start** will start the synchronizer thread, and it will automatically synchronize on the time and date specified in the **Next Sync Time** field. Clicking **Stop** will stop the thread from running.

Debug and Log messages

Clicking **Open** will display the log file for that synchronizer (if it exists). The log can be manually refreshed by clicking **Refresh**. The **Clear** operation will permanently delete the contents of the log.

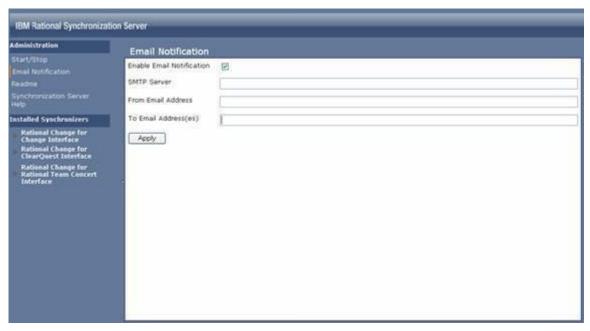
By checking **Log Debug Messages** checkbox, Rational Synchronization Server will automatically log DEBUG messages into the log.

Configure Synchronizer

To configure a synchronizer, click the link for that synchronizer in the **Installed Synchronizers** section, and then click **Configure**. Detailed instructions for configuring each synchronizer are provided in the help for that synchronizer.

Email Notifications

In the **Email Notification** section, you can specify the properties needed to enable or disable Email Notification for Synchronization Server. If you choose to enable Email Notification, you must make sure the checkbox Enable Email Notification is enabled. Specify the SMTP Server, From Email Address, and To Email Address(es) to use for email sending. If you choose to disable Email Notification, you must make sure the checkbox Enable Email Notification is disabled and the rest of the properties can be left empty.



Email Notification allows Rational Synchronization Server to automatically send emails to specific email address(es) whenever an ERROR is written into the logs.

Attribute Value Mapping

Attribute value mapping has also been added to Rational Synchronization Server. This feature is only enabled for the following Synchronizers: Rational Change for Change Interface, Rational Change for Rational Team Concert Interface, and Rational Change for ClearQuest Interface.

This feature allows users to map **Rational Change** attribute values to **Adapter** attribute values. The mappings will be specified by using a specific XML file.

For each configuration of a Synchronizer, there can only be one **Attribute Value Mapping** XML defined. The XML file must be manually created by the user in one of the following directories depending on the Synchronizer used:

- O CATALINA HOME/webapps/TlogicIntegration/WEB-INF/conf/Mapping/changechangeadapter
- O CATALINA HOME/webapps/TlogicIntegration/WEB-INF/conf/Mapping/changertcadapter
- O CATALINA HOME/webapps/TlogicIntegration/WEB-INF/conf/Mapping/cqchangeadapter

The XML file **MUST** have the exact same name as the Synchronizer's Link File Name, which is located in the Links directory. (i.e. For a **Rational Change for Rational Team Concert Interface** synchronizer, the **Attribute Value Mapping** XML must have a name similar to rtcadapter_link_MMddyyyyHHmmss.xml)

The attributes that should be defined in the **Attribute Value Mapping** XML should be attributes that have values that may be selected from a list box. Users must define the **Attribute Value Mapping** XML in the following format:

changeAttrId is the ID of the Rational Change attribute and not the display name.

adapterAttrId is the ID of the Adapter attribute and not the display name.

changeAttrValue is the **Rational Change** attribute value that will be mapped to a corresponding **Adapter** attribute value.

adapterAttrValue is the Adapter attribute value that will be mapped to a corresponding Rational Change attribute value.

Example:

Troubleshooting

Logs for the Synchronization Server synchronizers are located at CATALINA_HOME/webapps/TlogicIntegration/WEB-INF/logs. These logs should be sent to IBM Support to help diagnose the cause of any errors.

Contacting Support

Please visit our Telelogic support overview site at: http://www.ibm.com/software/rational/support/telelogic/

You will find a one-sheet reference guide about how to best contact support in you geography.

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Programming interfaces: Intended programming interfaces allow the customer to write programs to obtain the services of Rational Synchronization Server.

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