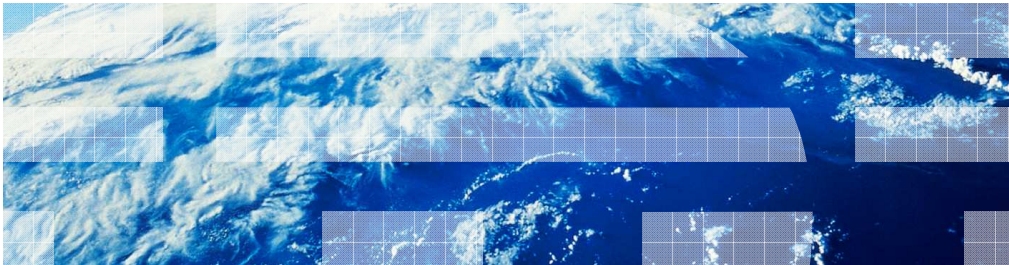

IBM Rational integrations

How to configure and use the ClearQuest/RequisitePro batch refresh operation



This module will instruct you on how to setup, configure, and use the ClearQuest®/RequisitePro® batch refresh operation. This module assumes that you have already configured and know how to use the ClearQuest/Requisite Pro Integration itself.

Overview – What is batch refresh?

- Refresh all integration data associated with a RequisitePro project and ClearQuest UserDB
- Run from command line manually or from scheduled tasks
- Configure separate batch refresh operations for each separate ClearQuest/RequisitePro Integration

You can configure and run a batch operation for refreshing all integration data for an IBM Rational® RequisitePro project and an IBM Rational ClearQuest user database. You can run the batch refresh at any time from a command line or run it unattended as a regularly scheduled task.

Description of process

- Updates in associated ClearQuest requirements occur for:
 - Tag
 - Name
 - Text
 - Type
 - Revision Number
 - Revision Date
 - Rational Administrator Project Name
- Associations between ClearQuest requirements and other records are also updated including:
 - Enhancement requests
 - Defects
 - Test plans and cases
 - Other custom integrations

When a batch refresh operation occurs, this information is updated in the associated Rational ClearQuest requirement: Tag, Name, Text, Type, Revision Number, Revision Date, and IBM Rational Administrator project name. In the Rational RequisitePro requirement, associations between the Rational ClearQuest requirement and other records are also updated in the integration attributes; these can include associations to enhancement requests, defects, test plans, test cases, or custom integrations to other records.

Configuring the batch refresh process

- Must have:
 - Rational Administrator project
 - Integrated RequisitePro project and ClearQuest UserDB
- Must configure using batch refresh configuration utility.
- Once configured, can be run through the command line or scheduler.

To configure a schedule for batch refresh process, you must have a Rational Administrator project that includes an integrated Rational RequisitePro project and a Rational ClearQuest user database. Before you run or schedule a batch refresh operation, you must configure the batch refresh using the batch refresh configuration utility. After that, you can run a refresh from the command line or as scheduled task using the Windows® scheduled task wizard.

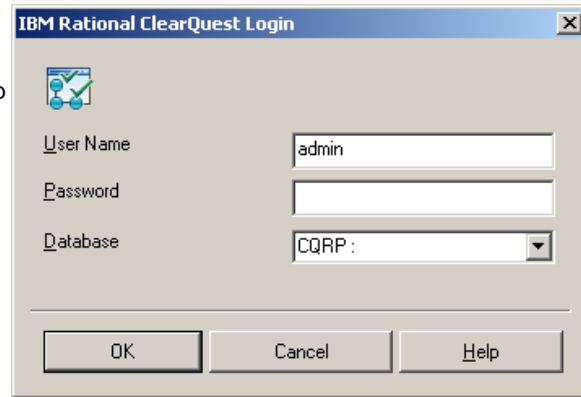
Data upgrade from any pre-V7 versions

- Run batch refresh after upgrading from any pre-V7 schema
- Will populate new files in ClearQuest Requirement records
- Should be done before the integration

If you are upgrading from a pre-version 7 version of the tools, run batch refresh after upgrading from pre-V7.0 schema to populate new fields in ClearQuest Requirement records. This should be done before using the integration in ClearQuest. Failure to do this will result in errors because the integration commands need data from the new fields.

Using the batch refresh configuration utility (1 of 5)

- Open the configuration utility
- Located in RequisitePro program group
- ClearQuest logon is displayed



The screenshot shows a dialog box titled "IBM Rational ClearQuest Login". It contains three input fields: "User Name" with the text "admin", "Password" (empty), and "Database" with a dropdown menu showing "CQRP:". At the bottom, there are three buttons: "OK", "Cancel", and "Help".

To configure the batch refresh run the batch refresh configuration utility. First, open the batch refresh configuration utility from the start menu in the Rational RequisitePro program group. The IBM Rational ClearQuest login window is displayed.

Using the batch refresh configuration utility (2 of 5)

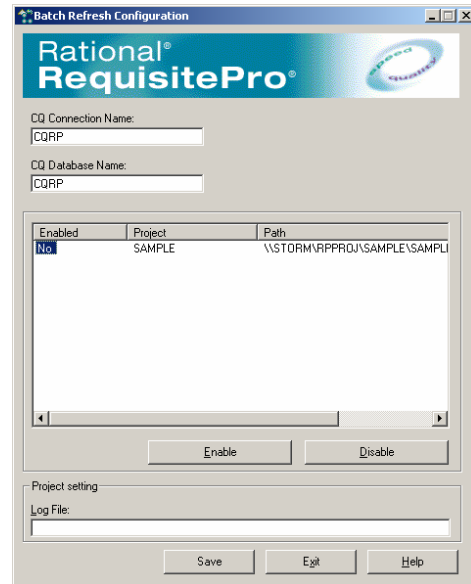
- After logon screen, password confirmation window is displayed
- Retype password to continue



Next, select a Rational ClearQuest database and type a user name and password and click OK. The password confirmation window is displayed. Retype your password to confirm.

Using the batch refresh configuration utility (3 of 5)

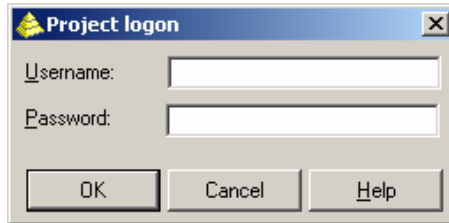
- Once logged in, the batch refresh window is displayed
- Existing integrations are visible
- Select the RequisitePro project you want to enable batch refresh on



After successfully logging in, the batch refresh configuration window is displayed. You are able to see your existing ClearQuest/RequisitePro integrations in this window. Select an IBM Rational RequisitePro project from the middle section of the window and click Enable.

Using the batch refresh configuration utility (4 of 5)

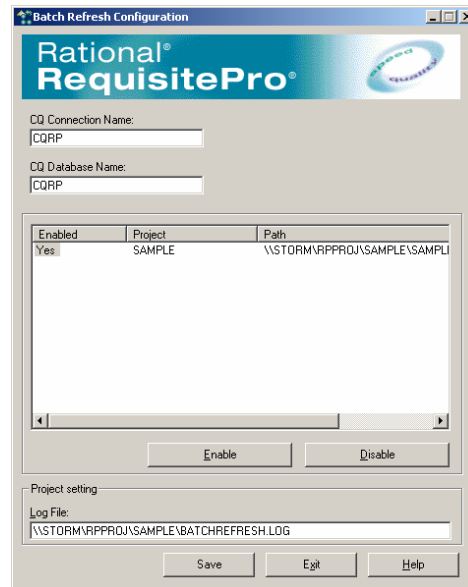
- Authenticate to RequisitePro project before continuing.
- Authenticating returns you to the wizard.

A screenshot of a Windows-style dialog box titled "Project logon". The dialog box has a blue title bar with a yellow warning icon on the left and a close button (X) on the right. Below the title bar, there are two text input fields. The first is labeled "Username:" and the second is labeled "Password:". Below the input fields, there are three buttons: "OK", "Cancel", and "Help".

After selecting Enable, you are prompted to logon to the RequisitePro project. In the project logon box, authenticate with your username and password, then select OK.

Using the batch refresh configuration utility (5 of 5)

- Specify path and file name for batch refresh log
- Log created when batch refresh first runs
- Use UNC path for log such as:
 \\servername\sharename\refresh_error.log
- Click save to store configuration settings
- Click exit to close window



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How to configure and use the ClearQuest/RequisitePro batch refresh operation

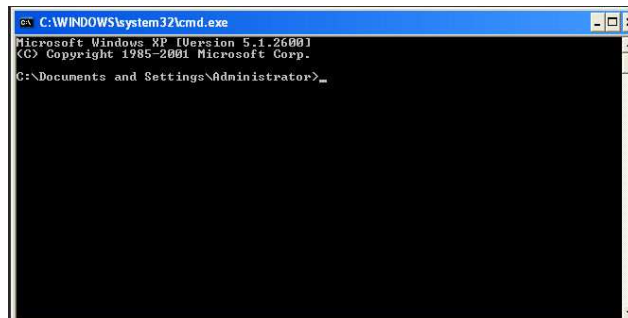
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Next, specify a path and file name for the batch refresh log file. This log file is created when the batch refresh first runs. It records information from each batch process. Note that when working in a networked environment with shared drives, use the Universal Naming Convention (UNC) notation, such as what is suggested on this slide, for specifying the location of the file. Now, click save to save your configuration settings. Selecting save does not gray the button so it might seem like it was not saved but it was. If you are unsure select save again. Now you can click exit to close the window.

\\servername\sharename\refresh_error.log

Running a batch refresh (1 of 2)

- Can be run through the command prompt or scheduled as a task
- To run using the command prompt, first open command prompt window



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How to configure and use the ClearQuest/RequisitePro batch refresh operation

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Typically, the batch refresh of the integration is performed as a scheduled task that runs at repeated intervals, such as hourly or daily. If you have configured the batch refresh, you can run a refresh at any time from the command line. To run a single batch refresh operation the first step is to open a command prompt window.

Running a batch refresh (2 of 2)

- Type path and file name for the batch refresh process
- Include name of ClearQuest connection and User database.
- Example:

```
C:\Program Files\Rational\RequisitePro\bin>RqReqRefreshProcessor.exe 7.0.0 MYUSERDB
```

At the command line, type the path and file name for the RqReqRefreshProcessor.exe process. Include the name of the IBM Rational ClearQuest connection and user database. An example has been provided in this slide. Next, press enter.



Example of a successful batch refresh log

1/26/2010 5:35:04 PM

Refreshing this CQDatabase: schema repository: CQRP ; database name: CQRP" "

1/26/2010 5:35:06 PM

Done processing RPPProject: project name: SAMPLE ; project path:
\\STORM\RPPROJ\SAMPLE\SAMPLE.RQS" "

1/26/2010 5:35:37 PM

Refreshing this CQDatabase: schema repository: CQRP ; database name: CQRP" "

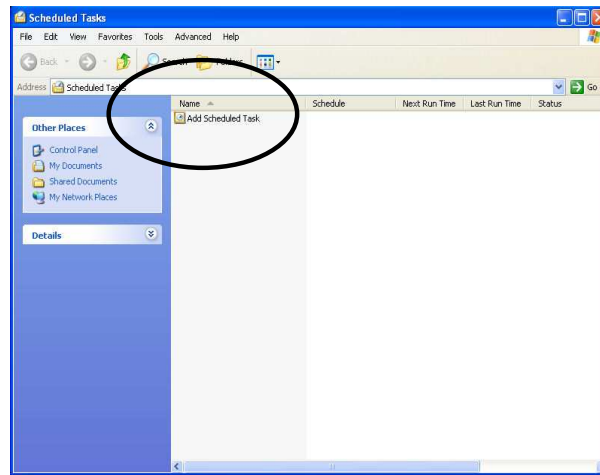
1/26/2010 5:35:39 PM

Done processing RPPProject: project name: SAMPLE ; project path:
\\STORM\RPPROJ\SAMPLE\SAMPLE.RQS"

If the information you entered is incorrect you will not get an error message. The only way to tell if it ran successfully is to check the batch refresh log, if it is empty then the information you provided is incorrect. This slide shows a sample of the log ran for the first time.

Scheduling a batch refresh (1 of 3)

- Use Windows scheduled tasks
- Scheduling a task for `rqrefreshprocessor.exe`



To schedule a batch refresh operation, run the Windows scheduled task wizard and create a scheduled task for the batch refresh processor (`rqrefreshprocessor.exe`). To begin the setup for this process, go to Start > All Programs > Accessories > System Tools > Scheduled Tasks.

Scheduling a batch refresh (2 of 3)

- Add a scheduled task to display scheduled task wizard
- Browse to RqReqRefreshProcessor.exe
- Click open and type a name for the scheduled task



Next, double-click “Add Scheduled Task”. The scheduled task wizard is displayed. Click next then browse to and select the batch refresh processor exe. By default, this executable file is located in the RequisitePro-slash-bin subdirectory of the Rational Products install directory. Click open then type a name for the schedule, such as ReqPro CQ batch refresh.

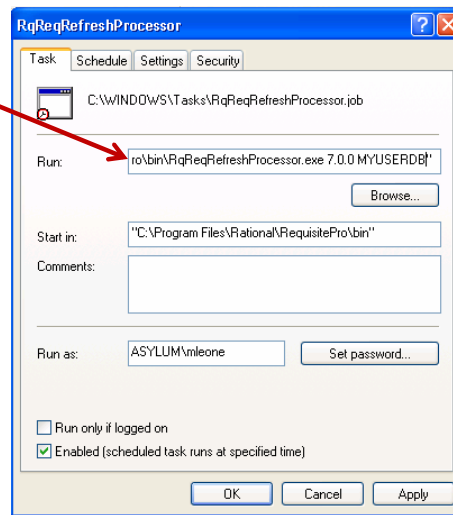
Scheduling a batch refresh (3 of 3)

- Select frequency for running process
- Use “advanced” options for running more often than daily
- Select time, day, start date
- Select administrator user and password

The screenshot shows the 'Advanced Schedule Options' dialog box. The 'Start Date' is set to Thursday, February 11, 2010. The 'End Date' field is empty. The 'Repeat task' checkbox is checked. The 'Every' field is set to 15 minutes. The 'Until' section has 'Time' selected. The 'Duration' section has 'hour(s)' and 'minute(s)' fields. The 'If the task is still running, stop it at this time.' checkbox is unchecked. The 'OK' and 'Cancel' buttons are at the bottom.

Now select a frequency for running the batch refresh processor. If you want to run it more often than daily, you can use the advanced options on the final page of the wizard to access other frequency options. Click Next. Select a time, day, and start date for the scheduler. Click Next. Type an administrative user name and password for logging on to this computer that is hosting the Windows scheduled task wizard. Click Next again.

Scheduling a batch refresh completed



Open advanced properties. In the Run field, after the RqReqRefreshProcessor.exe path and file name, add the name of the IBM Rational ClearQuest connection and database. An example is shown on this slide. Click OK to save the scheduled task, or click the Schedule, Settings, or Security tabs to modify the configuration. To modify the schedule and settings of an existing task, double-click the task in the Scheduled tasks window. Click Start > All Programs > Accessories > System Tools > Scheduled Tasks.

Troubleshooting tip: The CQIRefresh.xml file

```
<?xml version="1.0" encoding="UTF-8" ?>
<CQDatabases>
<CQDatabase dbname="RPINT" connectionname="rp_int">
<user>admin</user>
<password />
<time type="0">
<value>38078</value>
</time>
<error logfile="C:\Logs\batchrefresh" />
</CQDatabase>
</CQDatabases>
```

One quick self-help tip regarding the batch refresh operation is the ability to check the CQIRefresh.xml file. This file is created and stores all the information regarding each batch refresh operation setup in the configuration wizard. While it is not recommended that users edit this file directly without first contacting IBM Rational Customer Support, it can easily be viewed to ensure that each refresh operation has in fact been configured correctly. An example of the contents of a simple CQIRefresh.xml file is shown on this slide. The file itself is located within the “bin” subdirectory under the directory in which RequisitePro is installed.

Summary

- This module covered:
 - What is the batch refresh process
 - How to configure the batch refresh process
 - How to configure the scheduler for the batch refresh process
 - How to run the batch refresh process
 - What to look for in the event of errors or problems

This module covered the configuration and use of the IBM Rational RequisitePro/ClearQuest batch refresh process. You learned how to run the process through the Windows scheduled tasks utility and covered some simple troubleshooting tips.

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Click to send e-mail feedback:

mailto:iea@us.ibm.com?subject=Feedback_about_batch_refresh.pptx

This module is also available in PDF format at: [../batch_refresh..pdf](..../batch_refresh..pdf)

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