

IBM Software Demos

Change Management with IBM Rational ClearQuest and ClearCase - Part 2

Welcome to Change Management with IBM Rational ClearQuest and ClearCase presented by Kevin Czap, Advisory Software Engineer, IBM developer Skills Team.

You are now performing the role of Alex, the Developer

An e-mail rule has been set up by ClearQuest to notify Alex when a new high-priority defect is assigned to him.

The email contains defect information such as: defect ID, the state of the defect, headline, priority, description, and severity.

Alex the developer will log in to ClearQuest from Rational Application Developer and review his assigned defects and begin work on the defects to fix the transaction date display.

Let's switch to the ClearQuest perspective.

Making the connection to the ClearQuest database is Alex.

Alex has setup a query called "My todo list" to run automatically upon login to ClearQuest. This shows him high severity defects assigned to him.

We need to transition the defect to the Opened state and indicate to the rest of the team that Alex is now actively working this defect.

We now need to select which ClearCase view we're going to work with.

Before we can perform any ClearCase operations in Rational Application Developer using the ClearCase Remote Client (CCRC) you must connect to the ClearCase Web server. A specific ClearCase perspective will enable you to do this.

We're going to connect to the ClearCase server as Alex.

Because we've been disconnected from the ClearCase server, a number of changes might have been made on the integration screen. We now need to update our view to get the most current changes.

This is the ClearCase view configuration. A list of updated elements would be displayed here if any changes had been made. As you can see no changes have been made since we've been disconnected.

Rational Application Developer includes a special perspective for editing and running web applications. This is called the J2EE perspective. We'll use this perspective for making changes to the application.

In the Project Explorer, let's open up the RatlBankWeb, a web content folder. The web content folder contains the source code for our banking application, including the listTransactions.jsp file. You will need to edit this file to fix the defect.

Since our application is under source control, you will need to check out the file.

The Checkout Resources window will be displayed. You should see that the Activity is defaulted to the defect we created earlier.

IBM Software Demos

Change Management with IBM Rational ClearQuest and ClearCase - Part 2

The integration between ClearQuest and ClearCase keeps track of all changes made as a result of working on the defect.

I've opened a listTransactions.jsp file in an editor so we can make the necessary corrections.

The cause of the defect is located on line 251. A quick way of navigating to a specific line is to hold down the ctrl and L keys together. We'll then enter 251 and click ok to go to the specific line.

We need to make the following changes to line 251.

Let's save the file now that we've made the changes.

We now need to test our change.

We can run the application inside Rational Application Developer to test it.

We can test the application by right-clicking on our project and selecting Run As Run on Server.

The browser launches within the application developer. Let's login in to our web banking application.

Selecting our current account. List Transactions, notice the transactoin date has been formatted correctly.

Now that we've verified our fix, let's check the listTransactions.jsp file back in ClearCase.

The listTransactions.jsp file has now been checked back into ClearCase.

Let's move back to the ClearQuest perspective and change the state of this defect from open to resolved.

The resolve form window opens and we'll type a description of the resolution.

An entry into the resolution field must be entered.

The defect is now in the resolved state. This concludes our demo on Change management with IBM Rational ClearQuest and ClearCase.

For additional resources on change management and IBM rational ClearQuest and ClearCase, please see the following URL's.