

IBM Rational Team API Release Notes, Version 7.0.0 (Preview)

June, 2006

The IBM Rational Team API is a unified client side Java™ API for ClearCase, ClearQuest and Requisite Pro. The Rational Team API is one of the first implementations of JSR 147 Workspace Versioning and Configuration Management specification. The API will be available as a Technical Preview in IBM Rational ClearCase, ClearQuest and Requisite Pro v7. Customers will be able to use this first version of the API for evaluation purposes only. The API is not supported for production usage and maybe subject to change between now and when or if it becomes available in the future. The Technical Preview is intended to provide customers early access to capabilities we may implement in future releases in order to solicit and implement their early feedback. Rational reserves the right to make changes to this API without notice. For production systems or applications, IBM Rational recommends continuing to leverage the existing ClearCase, ClearQuest and Requisite Pro APIs.

The ClearCase sub-provider of the Rational Team API includes:

- Authentication services
- Make, Remove, and Update Web Views
- Check In, Check Out and Undo Check Out elements
- Browse UCM project hierarchies
- Create UCM streams and activities

The ClearQuest sub-provider of the Rational Team API includes:

- Authentication services
- Database Schema and User Repositories services
- Queries services
- Records services
- Workspaces services
- Reports and Charts services

The Requisite Pro sub-provider of the Rational Team API includes:

- Authentication services
- Open, modify projects
- Get project structure, including groups, users, document types requirement types and attribute definitions
- Get, Create, Modify and Remove requirements (including attributes), documents, views and packages
- Get, Create, Modify and Remove relationships (trace and parent-child)
- Get revisions for projects, documents and requirements
- Queries - executing, getting and setting display fields and filter criteria.

Known issues

ID	Description
RATLC00752928	Corrupt or otherwise unreadable entries in a query folder are not included in its BOUND_MEMBER_LIST. Such entries should cause a PartialResultsException to be thrown, which would identify the corrupted members, but in this release the exception is not thrown and the corrupt members are dropped from the returned list.
RATLC00755461	Change contexts within a ClearQuest repository cannot be made

	<p>persistent. Any change context created during a session will be deleted when that session terminates.</p>
RATLC00755463	<p>ClearQuest does not support the RequestList argument of the ChangeContext.doCreateGeneratedResource() method. If a value is specified, nothing will be returned.</p>
RATLC00755478	<p>Changes in one ClearQuest change context that are then delivered should readily appear in other existing change contexts. Record changes are immediately visible, but attachment and choice list changes are not. Also, changes to queries and query folders are not immediately visible in existing change contexts.</p>
RATLC00755641	<p>The definition of queries using the filter TargetTypes of REFERENCE or FIELD is not supported. These target types may appear only in predefined queries.</p>
RATLC00755679	<p>Calling Query.DisplayField.setIsGroupBy() is ignored when creating or modifying a query display field definition.</p>
RATLC00755683	<p>In the Rational Team API, one Record can be marked a duplicate of another Record by using a DUPLICATE Action. If the Record.getDuplicates() method is called after starting this action, but before doing a deliver, the new duplicate is not included. Only after a deliver will getDuplicates() return the proper values.</p>
RATLC00755734	<p>Methods that take a RequestList argument currently support a request of type TargetProperties. However, a request for a ModifiedProperties type of RequestList is not yet implemented and returns an empty list.</p>
RATLC00755780	<p>QueryFolder resources are not versionable and are not ActionableResources, in this release. Any operation to create, rename or delete a QueryFolder currently happens immediately and not in a change context. The global effect is not deferred until the next delivery and cannot be undone by clearing or closing the change context.</p>
RATLC00755784	<p>Query doUnbind() or doRebind() operations do not occur in a ChangeContext object in this release. A Query is an ActionableResource. Operations to create or modify a Query make the changes in a change context, and are committed upon delivery. However, a doUnbind() or a doRebind() operation does not place the changes in the ChangeContext and instead is executed immediately. The global effect of a doUnbind or doRebind operation should be deferred to the next delivery, but it is not.</p>
RATLC00757676	<p>Objects from the RequisitePro sub-provider cannot be accessed on a different thread than where they were created.</p>
RATLC00765811	<p>Some ClearCase operations are slower when using the ClearCase Team API provider as compared to similar operations using the ClearCase command line, in this Tech Preview release. Such operations may include browsing workspace files using the Folder.BOUND_MEMBER_LIST property, loading and updating workspace files, and fetching certain nested properties using the Resource.doReadProperties() method.</p>
RATLC00765817	<p>The ClearCase TeamAPI provider implements a subset of the standard WVCM operations and properties. The full functionality is not available in this technical preview release. Invoking an operation that is not yet implemented generates an STPException with an STP reason code of "NOT_SUPPORTED". Reading an unsupported property generates an</p>

	STPException with an STP reason code of "PROPERTY_MISSING". Consult the javadoc for each ClearCase resource type (workspace, activity, etc.) for a list of WVCM properties and operations supported by that resource type in this release. Also, you can invoke the Resource.doGetPropertyNamesList() method to get the list of supported properties.
RATLC00765831	When using the ClearCase sub-provider factory methods in the com.ibm.rational.wvcm.stp.cc.Provider interface to create a proxy object (such as ccActivity(), ccBaseline and ccFolder()), or inherited methods such as Activity() and Baseline()), you should first resolve the new proxy using the doResolveType() method in order to ensure predictable results. For example: <pre> Provider ccProvider = ...; UcmActivity activity = ccProvider.ccActivity(...); activity = activity.doResolveType(); </pre>

Fixed in this release

ID	Description
RATLC00758038	The QueryFolder class only partially supports the doRebind() method.
RATLC00758792	Changes made to a record in one change context will not be visible to those change contexts where the record was previously looked at.
RATLC00755725	Record type families are not fully supported.
RATLC00764909	The login time to a ClearQuest database using the Rational Team API may be up to ten percent longer than logging in using the ClearQuest (COM or Perl) API because extra checking is performed that ensures a database exists prior to the login.
RATLC00765632	Editing ClearQuest records using the Rational Team API may be slower than using the equivalent operations using the ClearQuest API in this technical preview release.
RATLC00765636	The data structures used to return a query result set cause query execution performance to decline as the result set size increases.