

With Rational ClearQuest
And IBM ClearCase
What's Next



What's New(s) and Next with IBM® Rational® ClearCase® and IBM® Rational® ClearQuest®

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CCM-2255

IBM Software

Innovate2012

The Premier Event for Software and Systems Innovation

comes to

Amsterdam – October 9
Brussels – October 10

Next  NOW!

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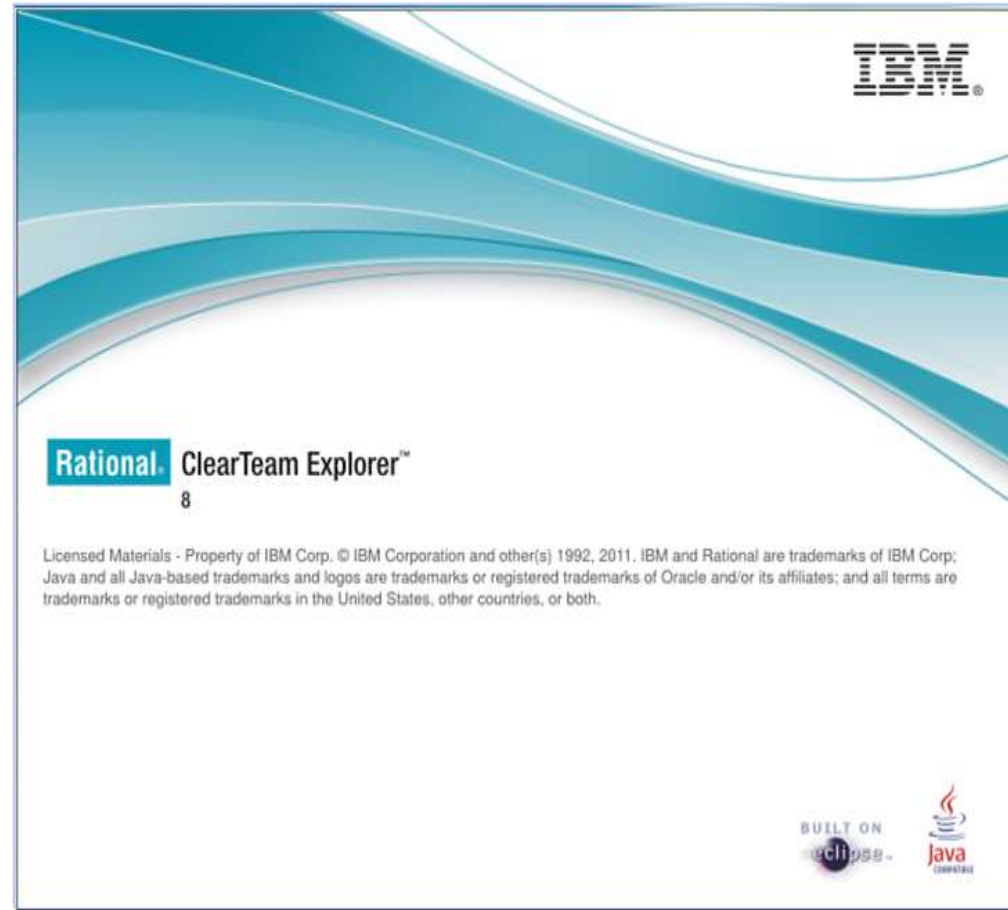
The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code or functionality. Information about potential future products may not be incorporated into any contract. The development, release, and timing of any future features or functionality described for our products remains at our sole discretion.

Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.

Introducing ClearTeam Explorer v8.0

Easy to install. Easy to use. Highly Productive

- A Unified ClearCase Client
 - Rich User Interface
 - Supports multiple platforms
 - Supports LAN and WAN view types
 - Dynamic & Web Views
- Provides First Class Integrations
 - Inbuilt **ClearQuest** Integration
 - Inbuilt **Jazz Platform** Integration
- Easily Consumable
 - **Less than 100MB** extension install



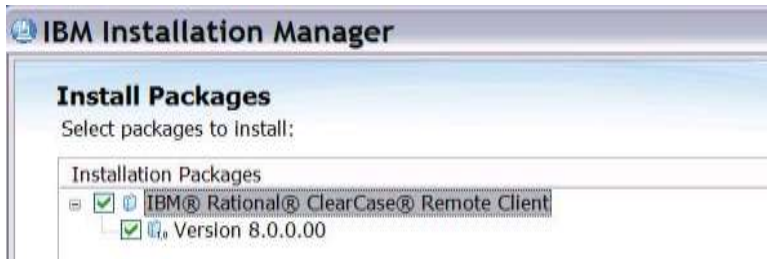
“It’s a developer’s delight...”

ClearCase v8.0 is easily consumable

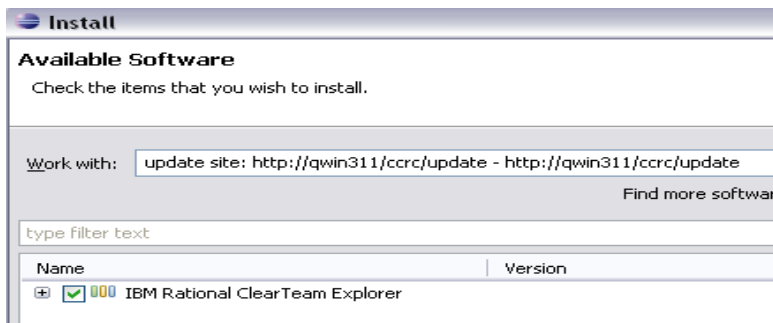
Multiple install flavors based on need



- The **Extension Offering**
 - install into RTC, RAD, RSA/RSM, etc.



- The **Standalone offering**
 - install into your desktop for CCRC view access
 - also gets installed with full ClearCase Client for dynamic view access



- The **Eclipse plugin offering**
 - Install from an update site (<http://host/ccrc/update>)
 - also gets installed with full ClearCase Client for dynamic view access

Common GUI for Web and Dynamic Views

The screenshot displays the ClearTeam Explorer - Eclipse SDK interface. The left pane shows a project tree with 'My Views' expanded, including 'ludin_GreatProject' and 'ClearCase Local'. The main workspace is divided into several panes:

- ClearTeam Details:** Shows a table of files in the project 'M:\ludin_GreatProject\demo_ucm_source_vob'.

Name	Type	Last Modified	Created	Version	State	Rule
cm_eclipse	Directory	February 2, 2012 11:56:07 ...	February 2, 2012 12:03:12 ...	/main/GreatProject_Integra...	Controlled	GreatProje
lost+found	Directory	September 30, 2011 6:45:4...	September 30, 2011 6:45:4...	/main/0	Controlled	/main/0 m
- ClearCase Change Set:** Lists change sets for the activity 'Message dialog does not resize, View: ludin_GreatProject'.

Name	Version	Created
demo_ucm_source_vob/cm_eclipse/ucomponents/src/com/ibm/rational/ui/common/DetailsMessageDialog.java	/main/GreatProject_Integ...	October 2, 2011 12:35:32...
demo_ucm_source_vob/cm_eclipse/ucomponents/src/com/ibm/rational/ui/common/messages/NullorErrorDialog.java	/main/GreatProject_Integ...	October 21, 2011 11:41:1...
- ClearCase Version Tree:** Shows a version tree for 'DetailsMessageDialog.java (View Context: ludin_GreatProject)'. The tree has nodes 0, 1, 2, and 3. Node 0 is the root. Node 1 is a child of 0. Node 2 is a child of 1. Node 3 is a child of 2. There are also branches from node 0 to node 2 and from node 1 to node 3.
- Integration changes included:** Lists various integration changes, including 'Add some, change some', 'border [outgoing]', 'DoubleBorder.java [outgoing]', 'InsetBorder.java [outgoing]', 'OutsetBorder.java [outgoing]', and several 'deliver' actions for 'carol_GreatProject' and 'demo_ucm_source_vob'.

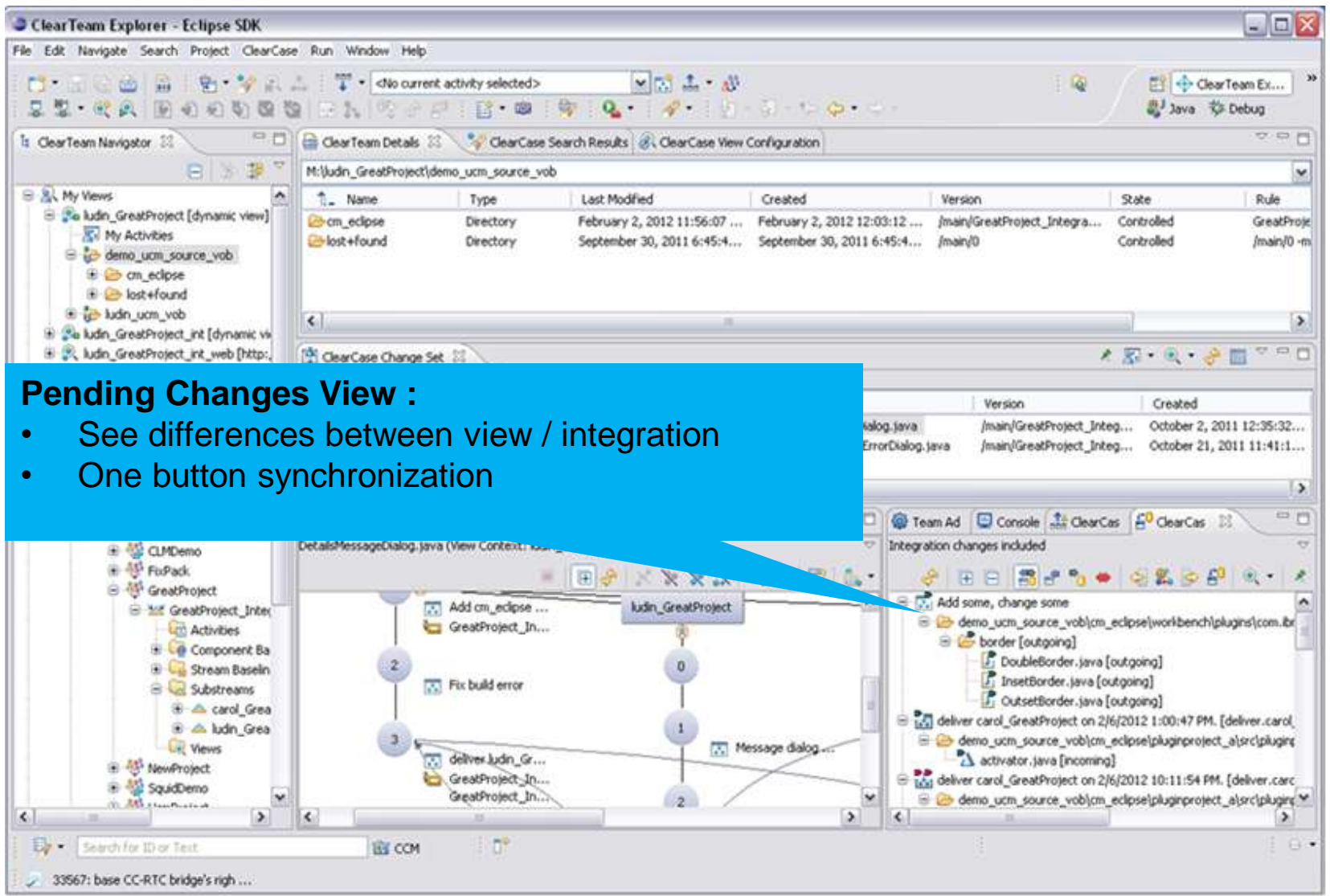
Common GUI for Web and Dynamic Views

ClearTeam Navigator

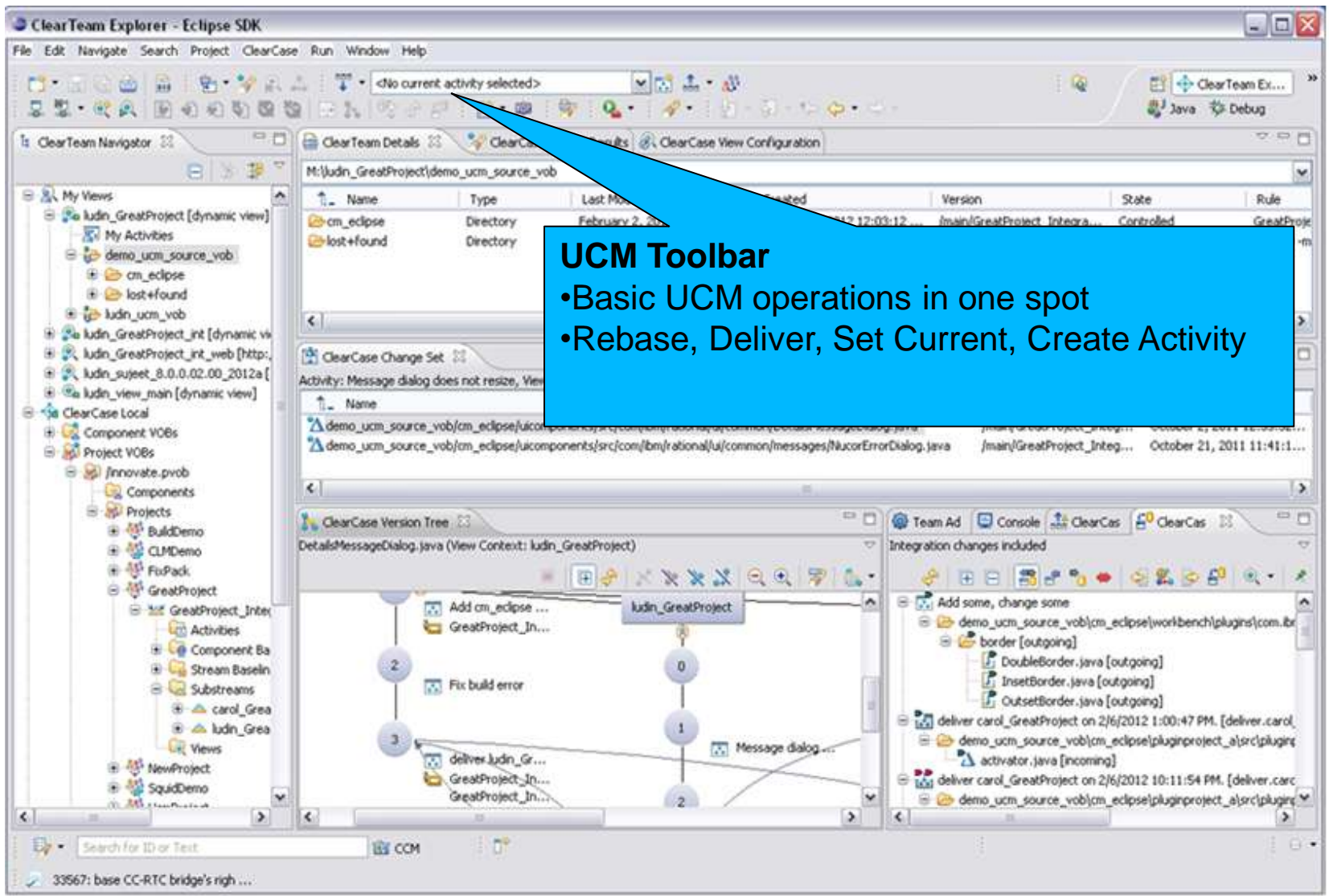
- Browse for your Project assets in Views/VOBs
- Start a View, Mount a VOB
- Visualize Base CC and UCM assets
- Connect to ClearQuest and query, browse, find and create CQ Activities
- Filter working set for rapid navigation

The screenshot displays the Eclipse IDE interface with several views open. On the left is the 'ClearTeam Navigator' showing a tree structure of 'My Views' and 'ClearCase Local' components. The main editor area shows a 'ClearCase Change Set' table with columns for Name, Version, and Created. Below that is the 'ClearCase Version Tree' showing a graph of version relationships for 'DetailsMessageDialog.java'. On the right, a 'Team Ad' console shows 'Integration changes included' with a list of files and their states (e.g., outgoing, incoming).

Common GUI for Web and Dynamic Views



Common GUI for Web and Dynamic Views



UCM Toolbar

- Basic UCM operations in one spot
- Rebase, Deliver, Set Current, Create Activity

Common GUI for Web and Dynamic Views

Change Set View :

- See all versions changed in Activity
- Perform code reviews

Name	Type	Last Modified	Created	Version	State	Rule
cm_eclipse	Directory	February 2, 2012 11:56:07 ...	February 2, 2012 12:03:12 ...	/main/GreatProject_Integra...	Controlled	GreatProje
lost+found	Directory	September 30, 2011 6:45:4...	September 30, 2011 6:45:4...	/main/0	Controlled	/main/0 m

Name	Version	Created
demo_ucm_source_vob/cm_eclipse/ucomponents/src/com/ibm/rational/ui/common/DetailsMessageDialog.java	/main/GreatProject_Integ...	October 2, 2011 12:35:32...
demo_ucm_source_vob/cm_eclipse/ucomponents/src/com/ibm/rational/ui/common/messages/NullorErrorDialog.java	/main/GreatProject_Integ...	October 21, 2011 11:41:1...

Common GUI for Web and Dynamic Views

The screenshot displays the ClearTeam Explorer interface within the Eclipse SDK. The main window is titled "ClearTeam Explorer - Eclipse SDK" and features a menu bar (File, Edit, Navigate, Search, Project, ClearCase, Run, Window, Help) and a toolbar. The interface is divided into several panes:

- ClearTeam Navigator:** A tree view on the left showing project structure, including "My Views", "ClearCase Local", "Component VOBs", and "Project VOBs".
- ClearTeam Details:** A table in the top center showing file details for the selected VOB.

Name	Type	Last Modified	Created	Version	State	Rule
cm_eclipse	Directory	February 2, 2012 11:56:07 ...	February 2, 2012 12:03:12 ...	/main/GreatProject_Integra...	Controlled	GreatProje
lost+found	Directory	September 30, 2011 6:45:4...	September 30, 2011 6:45:4...	/main/0	Controlled	/main/0 m
- ClearCase Change Set:** A table below the details pane showing change set information.

Name	Version	Created
demo_ucm_source_vob/cm_eclipse/ucomponents/src/com/ibm/ra...		...:35:32...
demo_ucm_source_vob/cm_eclipse/ucomponents/src/com/ibm/ra...		1:41:1...
- ClearCase Version Tree:** A diagram at the bottom center showing the lineage of a file. It includes nodes for "Add cm_eclipse ...", "GreatProject_In...", "Fix build error", "Message dialog...", and "deliver ludn_Gr...".
- ClearCase View Configuration:** A pane on the right showing the configuration of the current view, including "Add some, change some" and various source files like "border [outgoing]", "DoubleBorder.java [outgoing]", etc.

Version Tree
 •Fetch information on demand

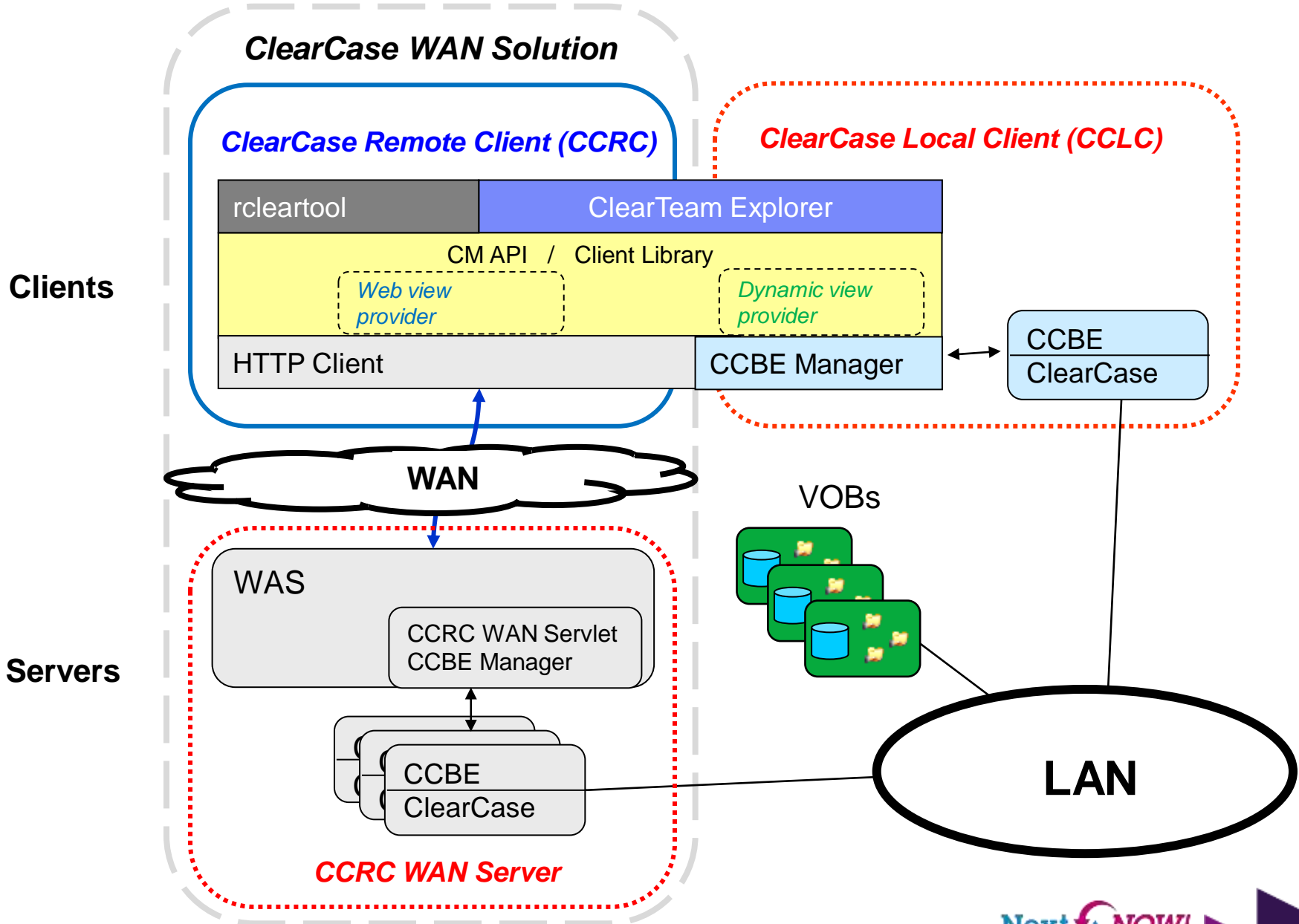
Tons of Usability, Consumability, Functional and Performance Enhancements

- Pending Changes View
 - ▶ Scoped queries for improved performance
- Deliver/Rebase
 - ▶ Preview includes Checkout/Hijack List
 - ▶ Additional choices for baseline selection in Rebase
 - ▶ Streamlined “default” operations for agile
 - ▶ Rebase Reset
- Scheduled operations
 - ▶ Notifications for view updates
 - ▶ Notifications for new baselines
 - ▶ Refresh of pending changes view
- CC/CQ Single sign-on (with matching passwords)
- New Common Dialogs
 - ▶ Simple, Detailed versions
 - ▶ Customization
 - ▶ Preferences
 - ▶ Recursive support within view namespace
 - ▶ Filtering support for recursive operations
 - ▶ Atomic Checkin
- Aggregated change indicator
- Aggregated operations
- Automatic discordance detection and repair
- New Preferences
 - ▶ Identical Checkin handling
- New Wizards
 - ▶ Join Project, Create View, Create Stream
 - ▶ Apply Label
- True context menus
- 3rd Party Diff/Merge Tool Integration
- Custom Merge Post Processing
- Selective View Update
- Start Views, Mount VOBs
- Edit Configuration Dialog with copy
- New Edit Configuration (load rules) dialog
- Contextual operations
 - ▶ Create Stream in stream context
 - ▶ Create View in stream context
 - ▶ Join Project in stream context
- New Change Set View
 - ▶ Drag and drop versions between change sets, activities
- ALM Integrations
 - ▶ Inbuilt CQ integration
 - ▶ Inbuilt RTC integration
 - ▶ Cadence Virtuoso Integration
 - ▶ Tasktop Mylyn integration
 - ▶ RSARTE Logical Model integration
 - ▶ Visual Studio Integration (web views)
- UCM Toolbar
 - ▶ Deliver/Rebase, Activity Selection/Creation, Join Project
 - ▶ Activity caching (performance)
- Explorer enhancements
 - ▶ Address Bar
 - ▶ Working Sets
 - ▶ Integrated View, Metadata, CQ
 - ▶ New Eclipse properties view
 - ▶ Add/Remove Server
 - ▶ Improved symlink support
- Differencing and Merging
 - ▶ New Eclipse-native diff/merge with UTF-8 Support
 - ▶ Support for Eclipse provided diff/merge
- MultiSite
 - ▶ Find Posted Deliveries
 - ▶ Automated Request for Mastership
- Mac Support
- vtree n-way Merge
- Eclipse 3.7.2 Support, 64-bit support

Tons of Usability, Consumability, Functional and Performance Enhancements

- Pending Changes View
 - ▶ Scoped queries for improved performance
- Deliver/Rebase
 - ▶ Preview includes Checkout/Hijack List
 - ▶ Additional choices for baseline selection in Rebase
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- New Wizards
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- Custom Merge Post Processing
- Selective View Update
- Start Views, Mount VOBs
- Edit Configuration Dialog with copy
- New Edit Configuration (load rules) dialog
- Contextual operations
 - ▶ Create Stream in stream context
 - ▶ Create View in stream context
 - ▶ Join Project in stream context
 - ▶ Change
- Relationship between change sets, activities
- Join Project
- Sets
- Aggregated View, Metadata, CQ
 - ▶ New Eclipse properties view
 - ▶ Add/Remove Server
 - ▶ Improved symlink support
- Differencing and Merging
 - ▶ New Eclipse-native diff/merge with UTF-8 Support
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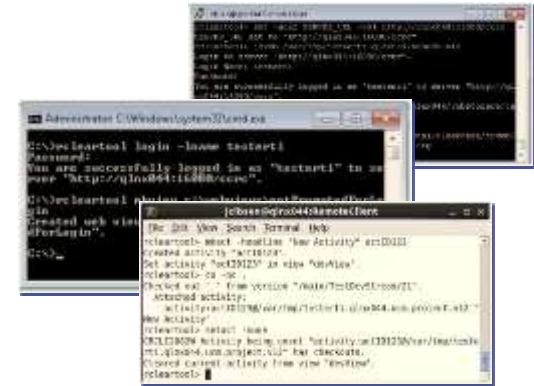
**Now For
Dynamic Views**



Significant enhancements to CCRC CLI in Q2 2012 release (8.0.0.next)

- Security enhancements
 - SSL Support, Proxy Authentication, Groups, Login
- Usability improvements
 - Session Management / Caching, Customizable Runtime Environment, Improved Scripting Support
- Enhancements to commands/options
 - Significantly expanded Options, New Commands
- Server-side trigger support
 - Just like CCRC, with clearprompt support
- Ongoing enhancements planned for future releases

- See a demo and discuss in more detail in the Solutions Center



Significant enhancements to CCRC CLI in Q2 2012 release (8.0.0.next)

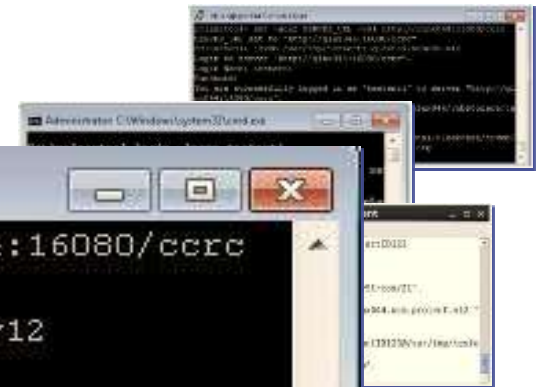
- Security enhancements
 - SSL Support, Proxy Authentication, Groups, Login

```

jcbisen@qlnx044:RemoteClient
rcleartool> set -pref SERVER_URL -val http://qlnx044:16080/ccrc
SERVER_URL set to "http://qlnx044:16080/ccrc"
rcleartool> lsvob /var/tmp/testerti.qlnx044.basecc.v12
Login to server "http://qlnx044:16080/ccrc".
Login Name: testerti
Password:
You are successfully logged in as "testerti" to server "http://qlnx044:16080/ccrc".
/var/tmp/testerti.qlnx044.basecc.v12 /net/qlnx044/vobstorage/testerti.qlnx044.basecc.v12.vbs private
rcleartool> lsview notPromptedForLogin
notPromptedForLogin qlnx044:/var/adm/rational/clearcase/ccweb/testerti.atria.com/notPromptedForLogin/.view.stg
rcleartool>
    
```

- Ongoing enhancements planned for future releases

- See a demo and discuss in more detail in the Solutions Center



login
kdire
kin
kview
describe
update
checkout
ls
rmelem
rmname
lscs
setact
catcs

Significant enhancements to CCRC CLI in Q2 2012 release (8.0.0.next)

- Security enhancements

 - SSL Support, Proxy Authentication, Group Login

- Usability

 - Secure Environment

- Enhancements

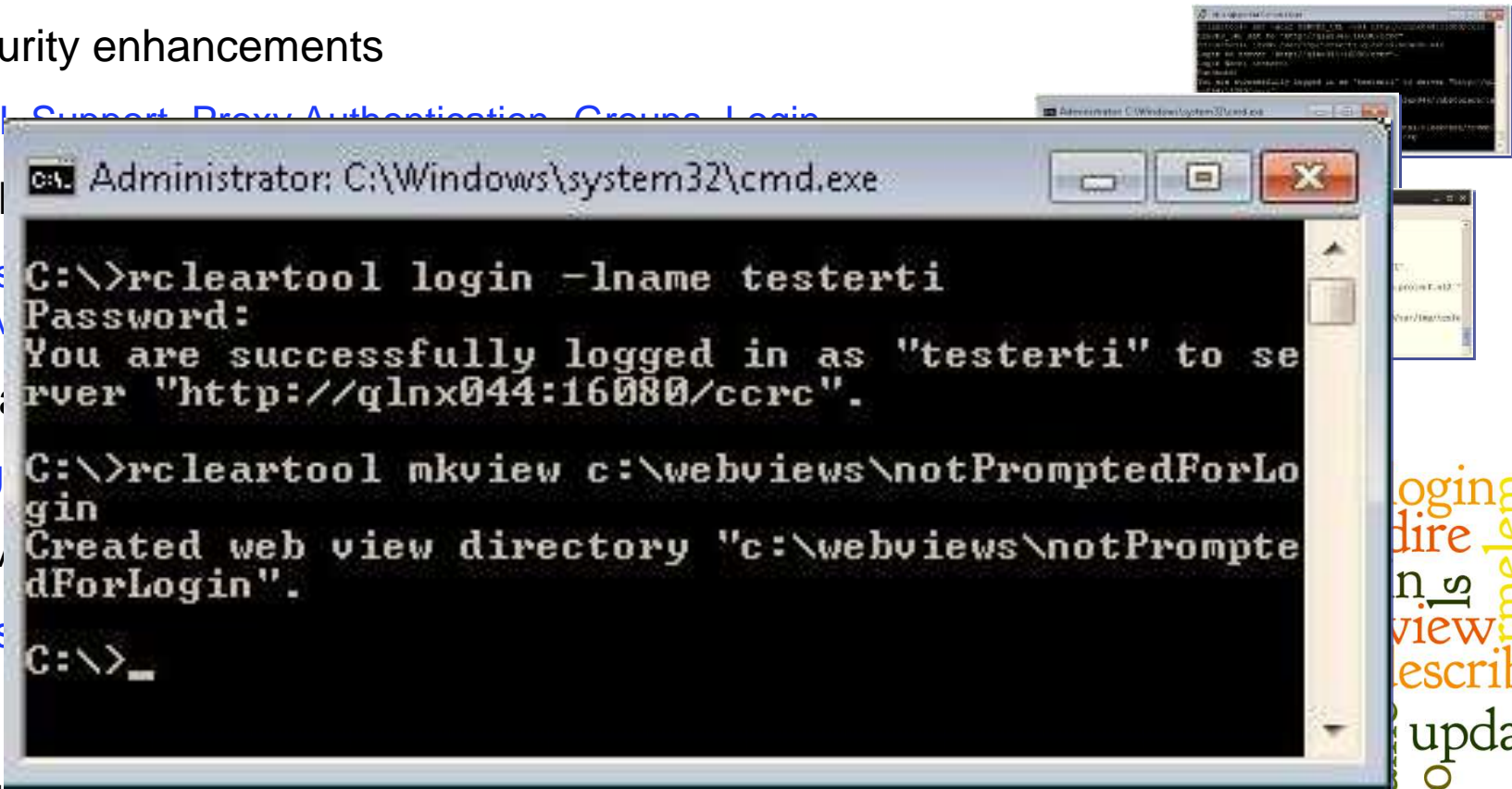
 - Signatures

- Services

 - Just-in-time

- Ongoing enhancements planned for future releases

- See a demo and discuss in more detail in the Solutions Center



login
dire
nls
view
escribe
update
checkout
lsco
catcs
rmn

Significant enhancements to CCRC CLI in Q2 2012 release (8.0.0.next)

- Security enhancements
 - SSL Support, Proxy Authentication, Groups, Login

- Usability

- Session Environment

- Enhancements

- Significant

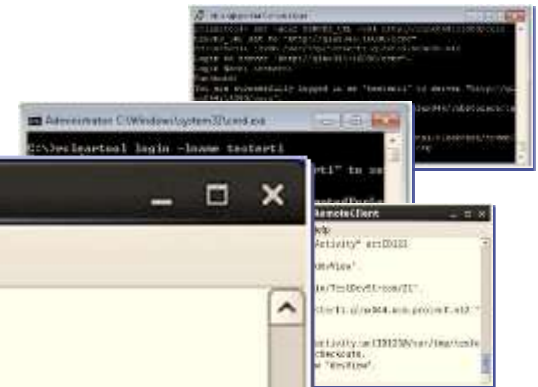
- Server

- Just

- Ongoing enhancements planned for future releases

```

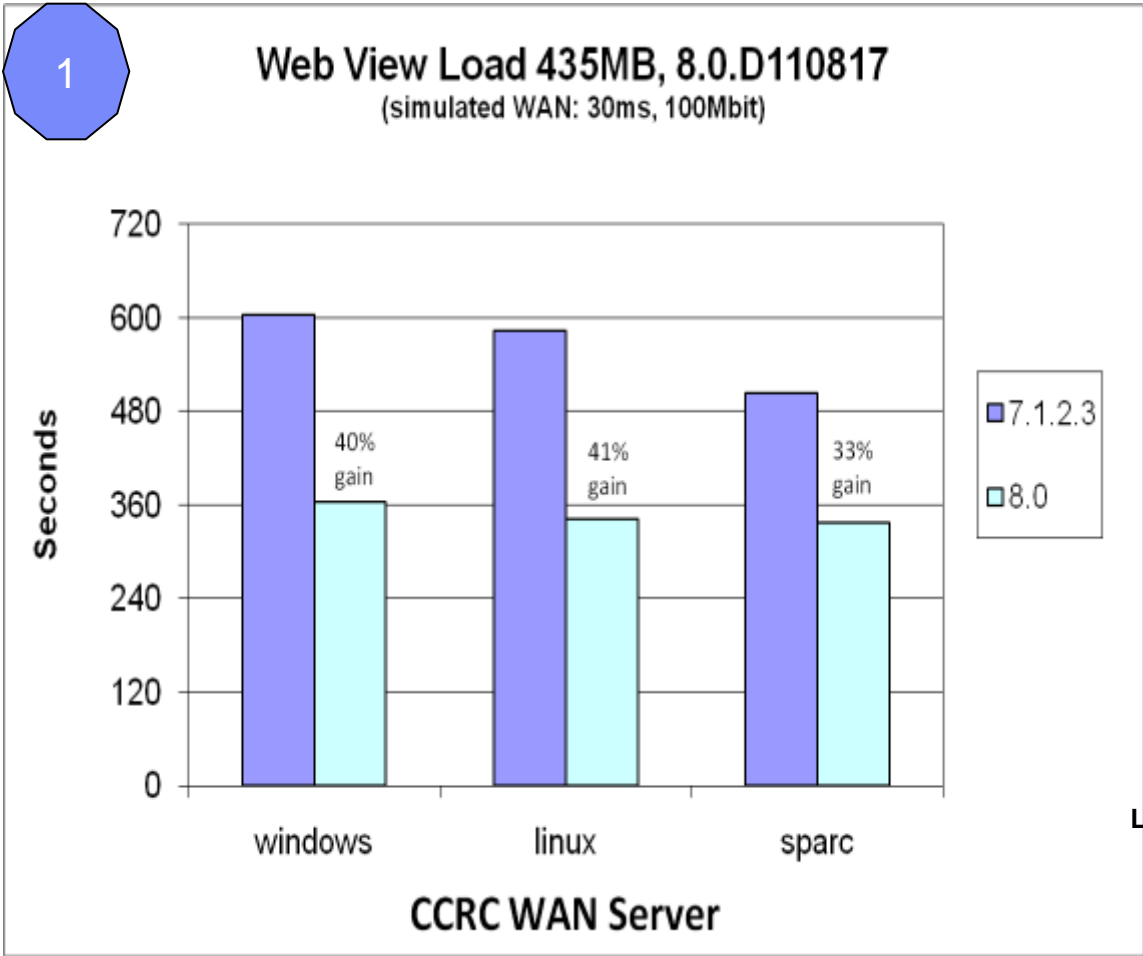
jcbisen@qlnx044:RemoteClient
File Edit View Search Terminal Help
rcleartool> mkact -headline "New Activity" actID123
Created activity "actID123".
Set activity "actID123" in view "devView".
rcleartool> co -nc .
Checked out "." from version "/main/TestDevStream/21".
Attached activity:
  activity:actID123@/var/tmp/testerti.qlnx044.ucm.project.v12 "
New Activity"
rcleartool> setact -none
CRCLI2082W Activity being unset "activity:actID123@/var/tmp/teste
rti.qlnx044.ucm.project.v12" has checkouts.
Cleared current activity from view "devView".
rcleartool>
    
```



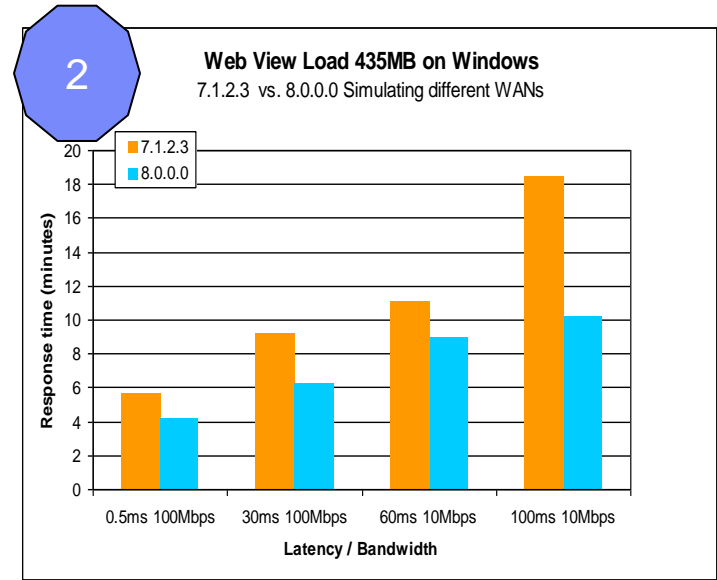
login
mkdire
eckin
mkview
describe
update
checkout
ls
rmname
lsc
catcs
mkelem

- See a demo and discuss in more detail in the Solutions Center

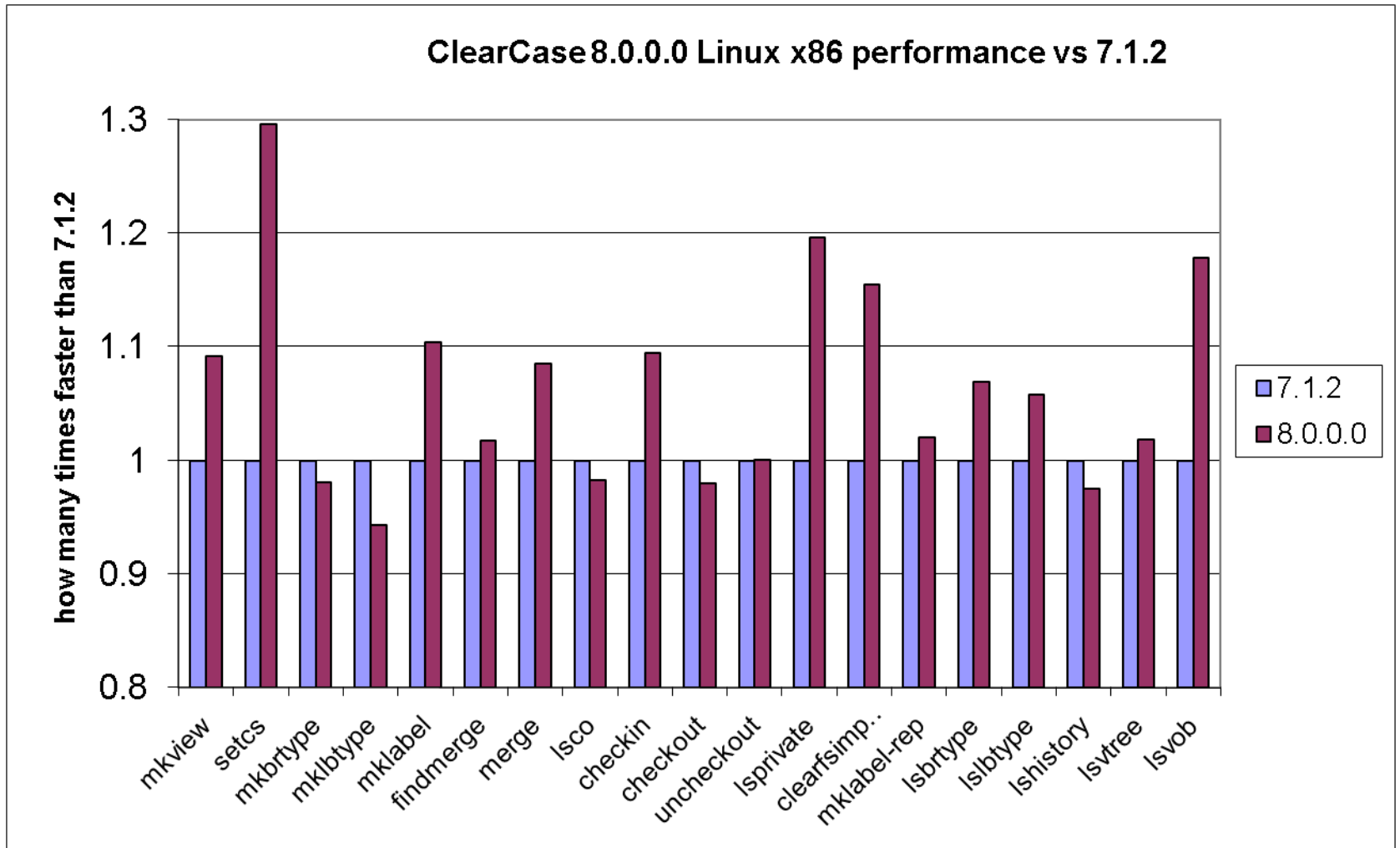
ClearCase v8.0: Faster WAN Access upto1.8 times faster WAN workspace Load support



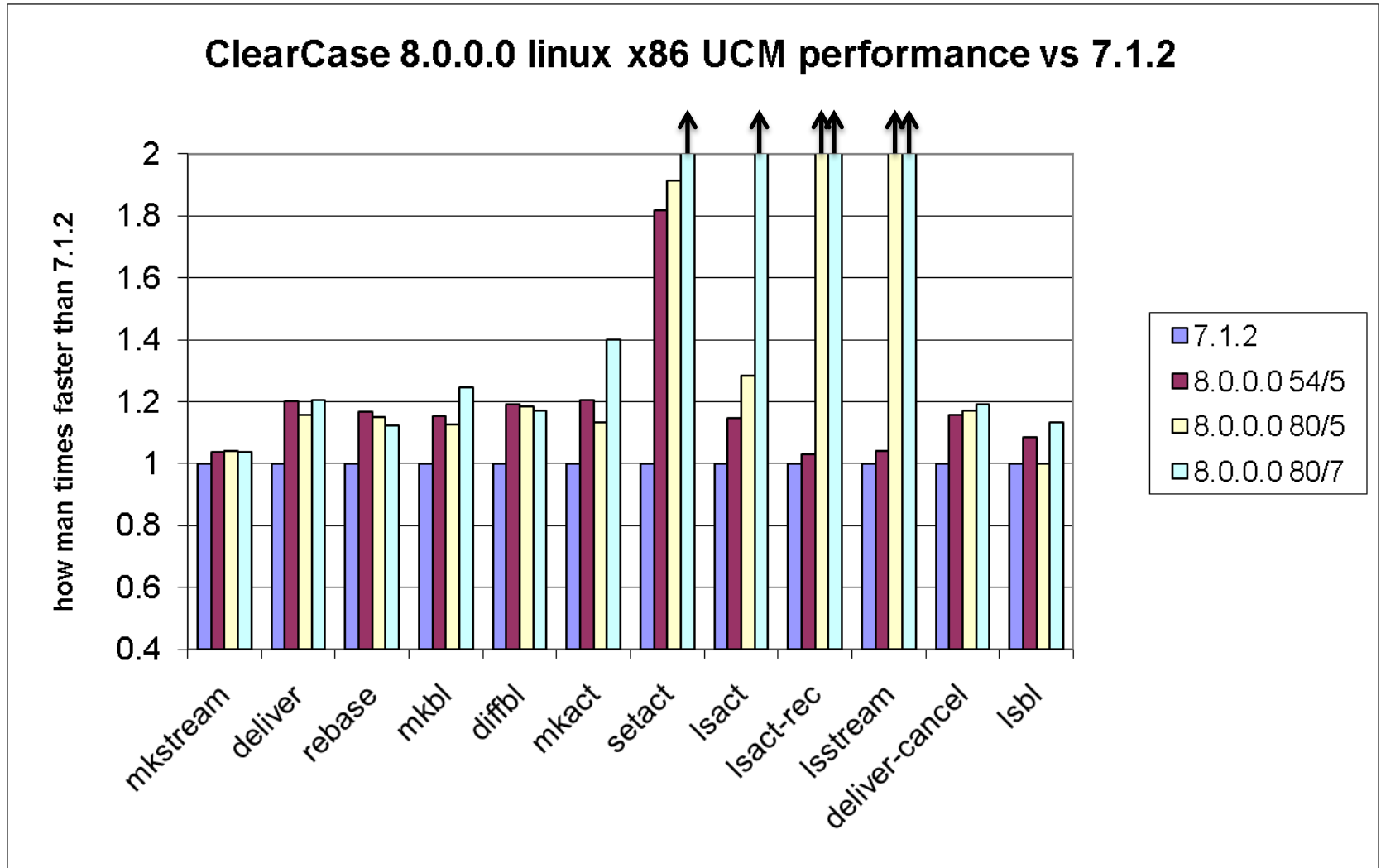
Note : 7.1.2.3 (serial load) vs 8.0 (parallel loads – 10 threads)



Base ClearCase v8.0 Operations Run Faster upto 1.3 times faster

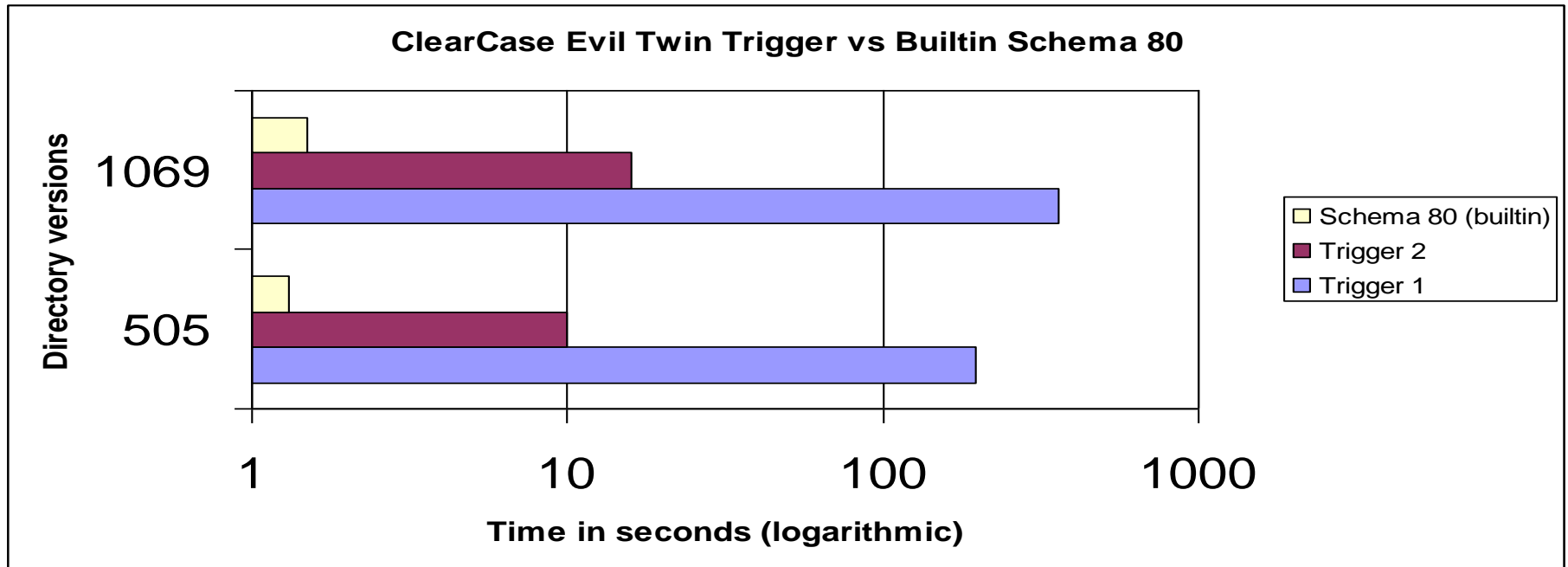


UCM ClearCase v8.0 Operations Run even faster upto 2 times faster UCM operations



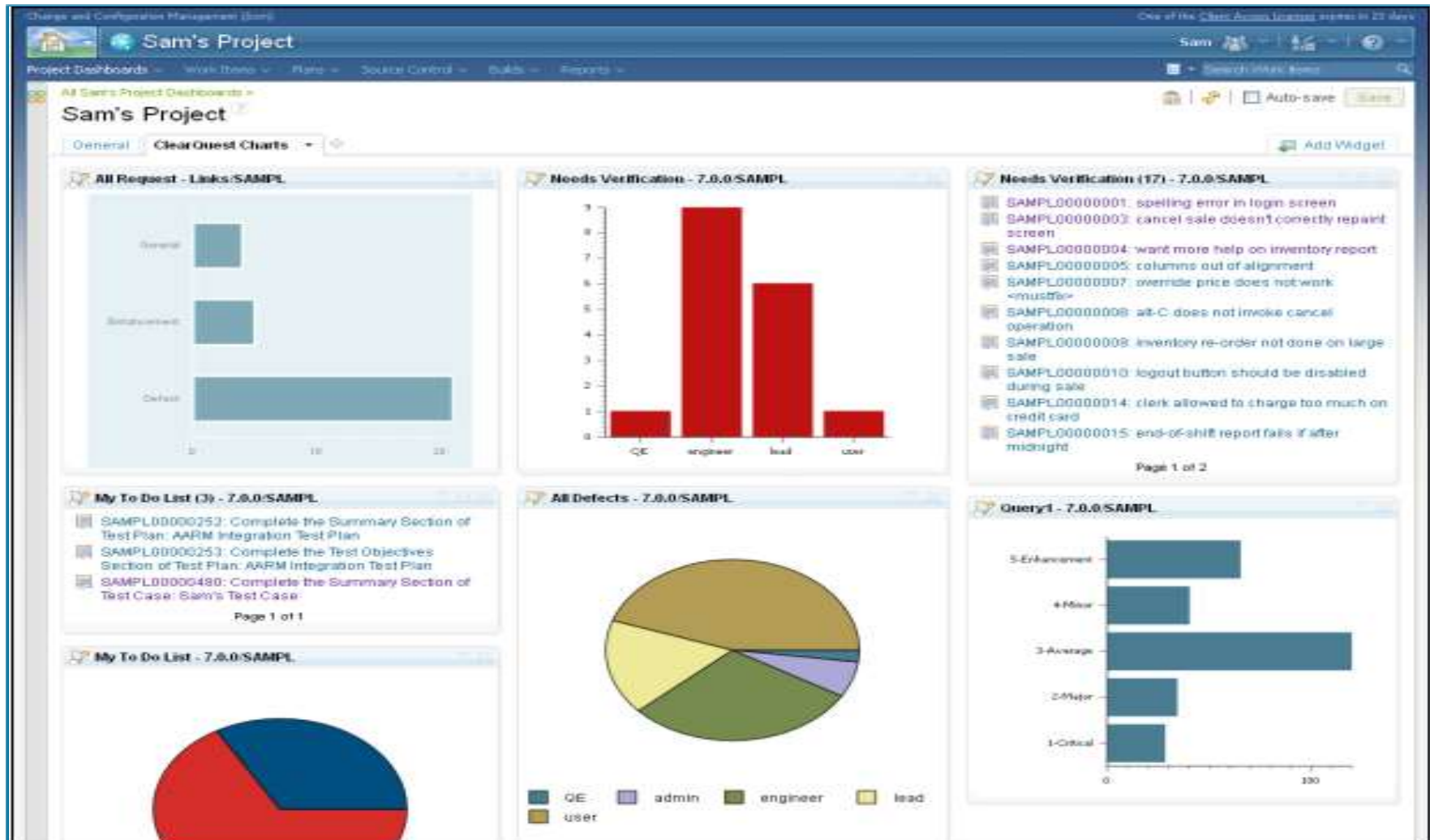
ClearCase v8.0 Provides Superfast Evil twin prevention up to 10 times faster

- Test case 1: directory (db) with 505 versions
 - Evil twin trigger 1: **3.2 minutes**, Evil twin trigger 2: **10 seconds**, Built in detection: **1.3 seconds**
- Test case 2: directory (vob) with 1069 versions
 - Evil twin trigger 1: **6 minutes**, Evil twin trigger 2: **16 seconds**, Built in detection: **1.5 seconds**



Introducing ClearQuest - Jazz Dashboard

Visualize ClearQuest information in Jazz Dashboard



Note : requires CQ Advanced Change Management CAL or other RTC CALs

Leveraging Dashboards

General
Escalations
Rules of the Road
Vacation Plans
APAR/Defects ▾
Dragon
Eagle
Phoenix
Spider
CLM 2012 Adoption
+
Add Widget

Current CQ Sustaining Engineering Plans

Current Iteration: **2012B Sprint 3**

- CDL L3[CDL - Dragon] 2012B Iteration 3 [2012B Sprint 3] ██████████
- CQ L3 [CDL - Eagle] 2012B Iteration 3 [2012B Sprint 3] ██████████
- CQ L3 [US1 - Spider] 2012B Iteration 3 [2012B Sprint 3] ██████████
- CQ L3 2012B [2012B] ██████████
- CQ L3 Escalations 2012B [2012B] ██████████

2011D All PRs (56) - CQMS.RATIONALC.LEXINGTO...

- RATLC01629380: First five characters in UNC path disappear when viewing a record on cq web 7.1.2.1
- RATLC01338638: Incomplete error message for users without permissions in CQ 7.1.2.x
- RATLC01340027: "Internal error" occurs when re-logging in timed-out ClearQuest Web session
- RATLC02572852: Buttons don't appear on form when creating them using Eclipse Designer 7.1.1.3
- RATLC01340346: The Full Text Search radio button is disabled in Search dialog box when adding "user" as Parent/Child control
- RATLC01340670: Pre- and Post-Action hooks don't fire in r-click context popup menu of list view in CQ Web
- RATLC02573687: CQWEB Client displays a reference list form control "ghost"
- RATLC01340747: "PROPPATCH failed" error referencing read-only checkbox fields
- RATLC01629730: Record links created in 7.0.1 no longer work in 7.1.2.3
- RATLC01340843: Error occurs and textbox disappears when behavior of textbox field changes and textbox has "Auto Horz Scroll" enabled

Page 1 of 6

APARS planned for 2012A_CLOSED (35) Severity

Severity	Count
Major	6
Normal	28

APAR cleanup (32) - Component - CQMS.RATIONALC....

Component	Count
OSLC	12
Integrations CQ	8
FullTextSearch	7
Documentation CQ	12
CQWeb-Falcon	15
CQ Eclipse	10
Core	8

Defects affecting Tests (current iteration) (11)

- 34681: [SVT] [security] Wrong authentication information will be pass when open new CQ record from DOORS native client with OAuth
- 34597: Error dialog missing for invalid Branch type name
- 34592: Deliver with Advanced throws NullPointerException
- 202531: CC-CTE-Deliver-Extend_CC-CTEx86-64_English_RHEL 5.8_GUI_Atria C...
- License_RCP
- 202435: CC-CTE-Deliver-Ext...
- CCRC-English_RHEL 5.8_ID...
- 34545: Logical model checkout is broken on RHEL 5.8
- 34439: SVT:Could not create cq link into the doors requirement when submit new/add existing doors requirement in the cq record
- 34438: SVT:Doors requirement link does not work in the CQ Record when using "Requirements Implementation" feature of CQ-Doors 9.4/DWA 1.5 Integration
- 34107: Review 8.0. 404 RHEL 5.8 UTF8 test failures
- 33920: [Cadence] Configure E2E ATE tests for Cadence version IC615
- 32626: [Cadence] - DM operation in the editor causes the CC info erased from other editor's title where same design is opened.
- 29101: SVT: Malformed URL Exception

Page 1 of 2

CQ Technical Debt (excludes 7.1.2 & 2... (807) Tags

Less
◀
▶
 More

2010b 2010bdef 2010cdef 2011adef 8.0.0.x apar consumability cq_devharness_failure cq_ihd cqbehavioral cqic_fix cqua_2011a_planning cqua_2011b_planning cqua_2011d_planning cqua_defect cqua_help cqua_wd

From RTC

From RQM

From CQ

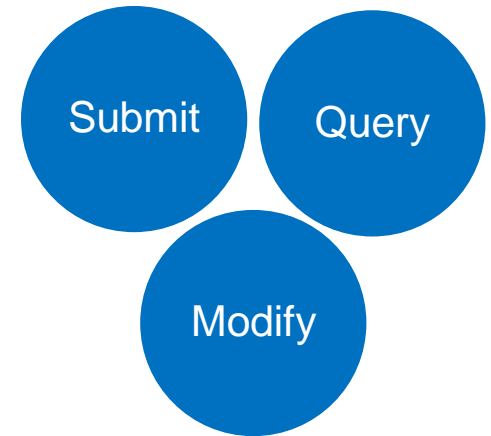
30

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ClearQuest Integrations through OSLC Links Package

Realize traceability through Linked Data

- ClearQuest supports Open Services for Lifecycle Collaboration (OSLC) APIs
- Implemented as OSLC Links Package
- Available out of the box with ClearQuest v7.1.2.1 or later



CM OSLC 2.0

ClearQuest OSLC Links Package	Requirements Management	Test Management	Change Management
Promotes C/LM traceability scenarios b/w CQ-RTC-RQM, implements API that other Rational (eg: DOORS) products and 3 rd Party Products (eg: Bugzilla) can take advantage of.	Rational DOORS Rational Requirements Composer	Rational Quality Manager	Rational ClearQuest Bugzilla Rational Change Rational Team Concert

Setting up OSLC Links Package :

<https://www-304.ibm.com/support/docview.wss?uid=swg21433074>

Traceability in ClearQuest Web

- ClearQuest lets you link to resources from other repositories
 - ▶ Requirements
 - ▶ Related Change Requests
 - ▶ Test Artifacts
- Trace development across the software lifecycle
- View relationships no matter what tool you're using

The screenshot shows the Rational ClearQuest web interface. At the top, it says 'Rational ClearQuest' and 'Welcome admin'. Below that, there's a navigation bar with 'New ALMRequest', 'Site Administration', 'Preferences', and 'Help'. The main content area shows 'ALMRequest: SAMPL00000024' with various action buttons like 'Request', 'Project', 'Related Records', 'History', 'Comments', 'Attachments', and 'Links'. Under the 'Links' section, there's an 'Add: Related Artifact' dropdown. Below that, three categories are listed with their respective artifacts:

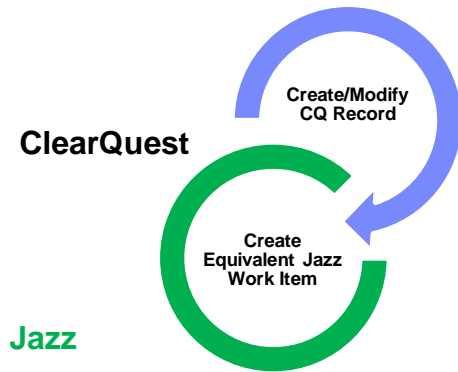
- Related Change Request**:
 - 101: Investigate load balancing software (linked to Change Management)
 - 102: Configuration error on RedHat Linux
- Implements Requirement**:
 - 123: Support Load Balancing for Server Scalability (linked to Requirements Management)
- Tested By Test Case**:
 - 28: Test Server Scalability and Reliability (linked to Quality Management)

 Three callout boxes on the right side of the screenshot point to these specific links: 'Change Management', 'Requirements Management', and 'Quality Management'.

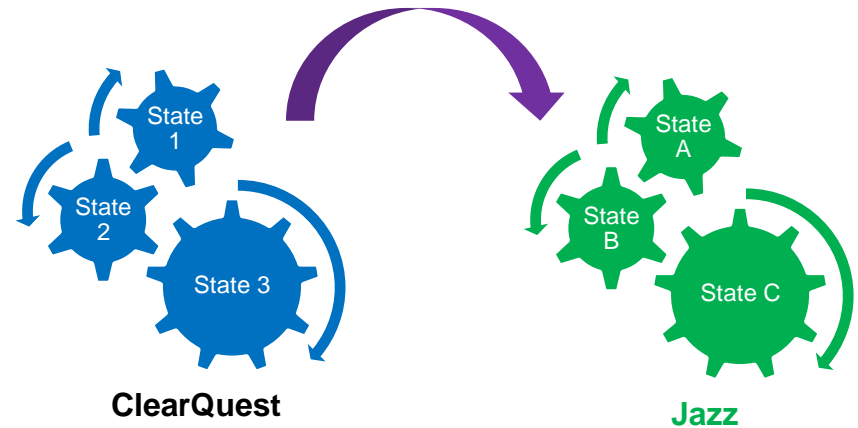
Process Management with Bridge

- Ability to create Jazz work items when creating ClearQuest records
- Ability to transition states in Jazz based on state changes in CQ
- Today you can automate this with ClearQuest hooks
 - These are custom Scripts/hooks that Customers have to write (or get help from IBM Services)

Work Item Creation Automation



State Transition Automation



Rational ClearQuest Reporting Solution 2012

Report Authoring

- Author Reports on data from a single and/ or multiple CQ instances

Report Consumption

- Consume Reports via the web or desktop

Report Management

- Version control and secure access to reports

Enterprise Deployment

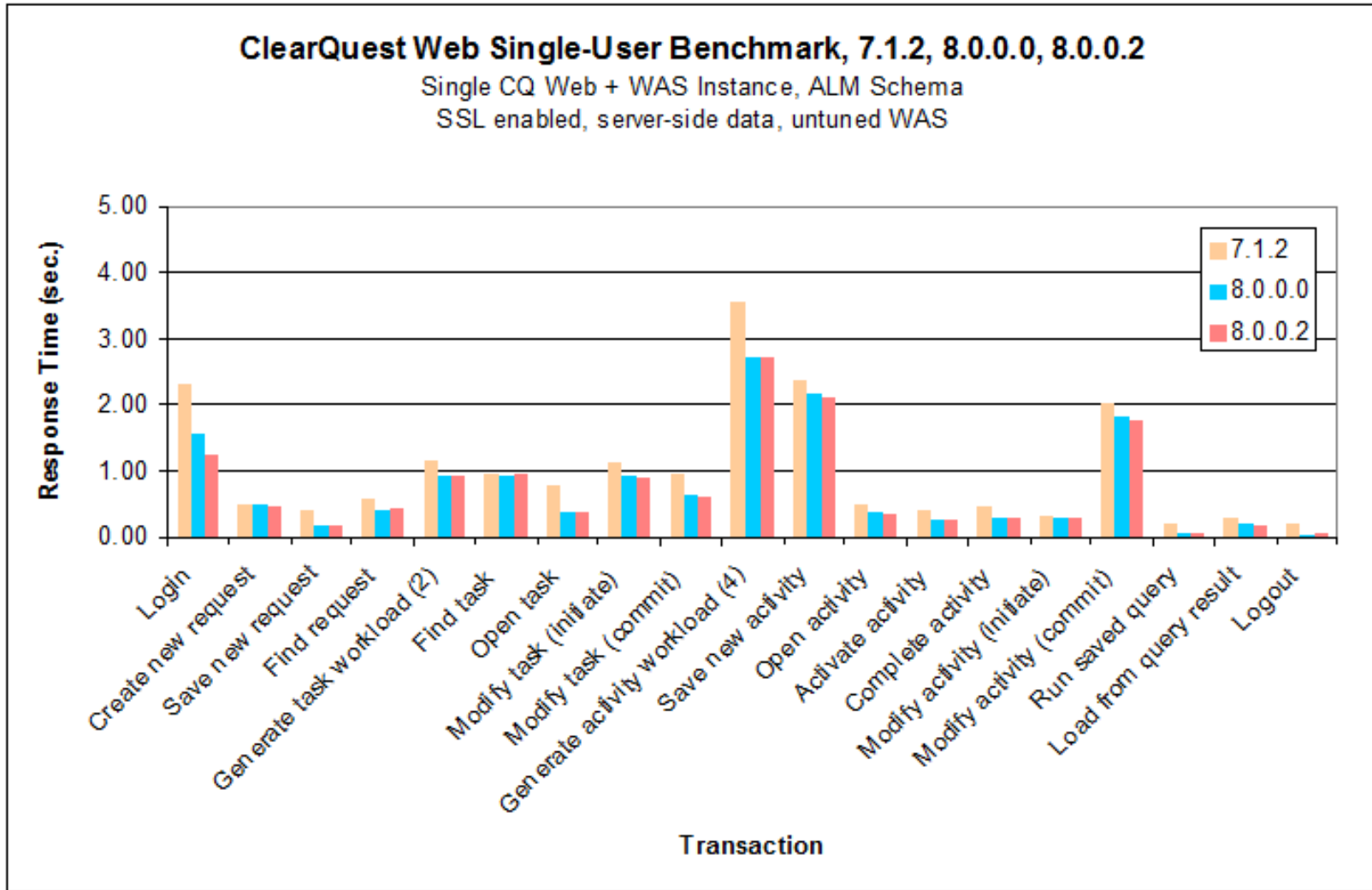
- Deploy report consumption and management for the enterprise

Business Performance Management

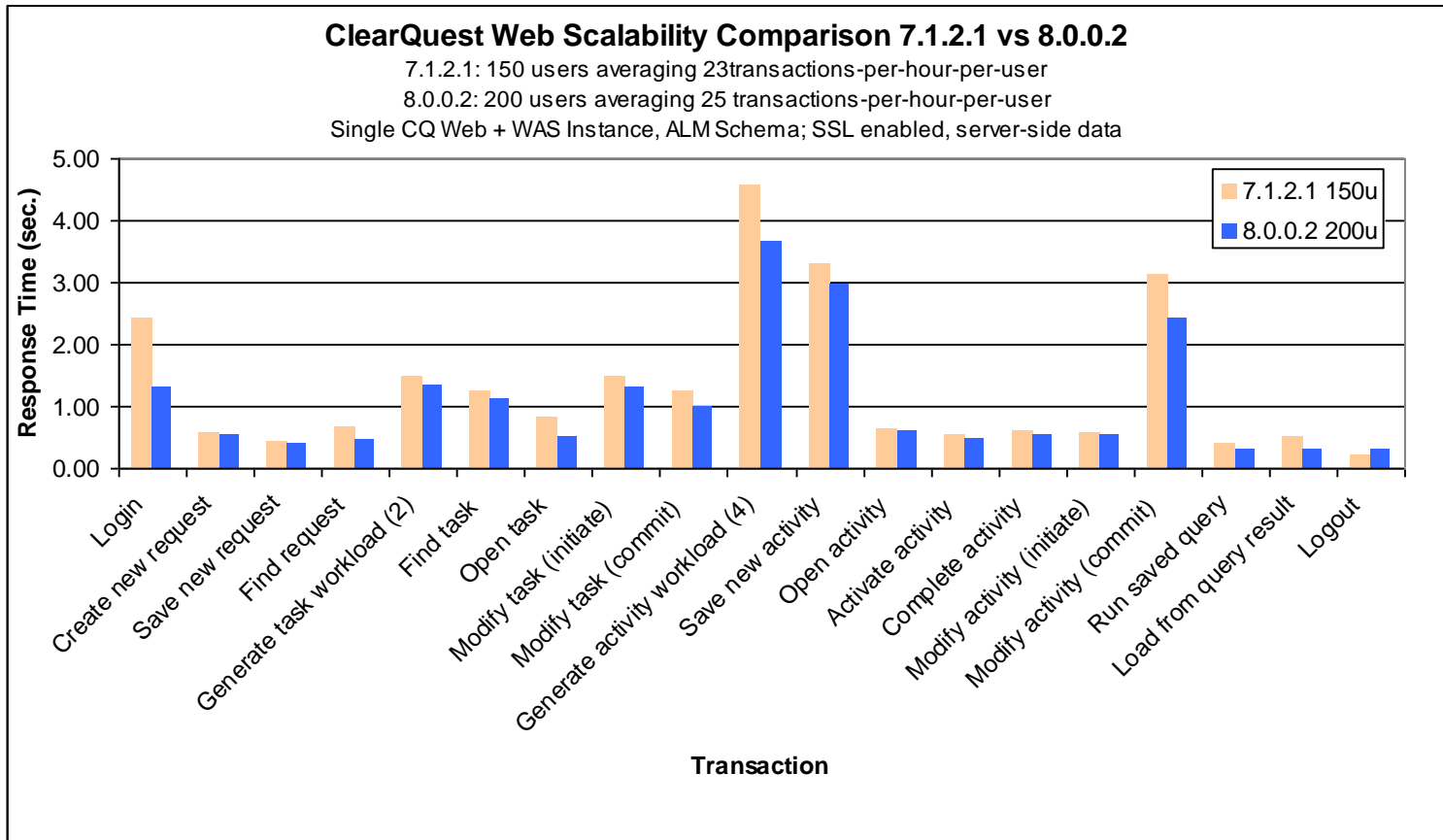
- Report on Linked Data and Trends for business performance management through data warehousing

Operations run faster with ClearQuest Web 8.0

upto 1.4 times faster Single-user response times



Improved ClearQuest Web 8.0 Scalability upto 1.3 times better scalability



200 user scenario in CQ Web 8.0 performs better than 150 user scenario in CQ Web 7.1.2.1



What's New(s) : ClearCase/ClearQuest Integrations

IBM Software

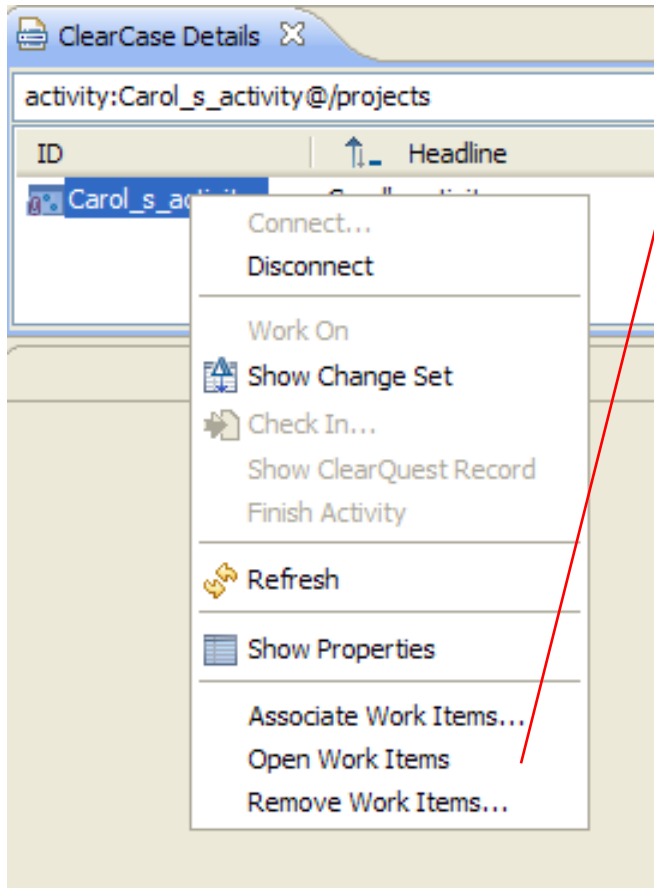
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Next  NOW!

ClearTeam Explorer - RTC Integration

Recorded Demo: <http://jazz.net/library/video/775>



- Context menus on objects in ClearTeam Explorer are enhanced to allow ClearCase users to create and manage associations between ClearCase (both UCM activities and base ClearCase versions) and RTC work items.

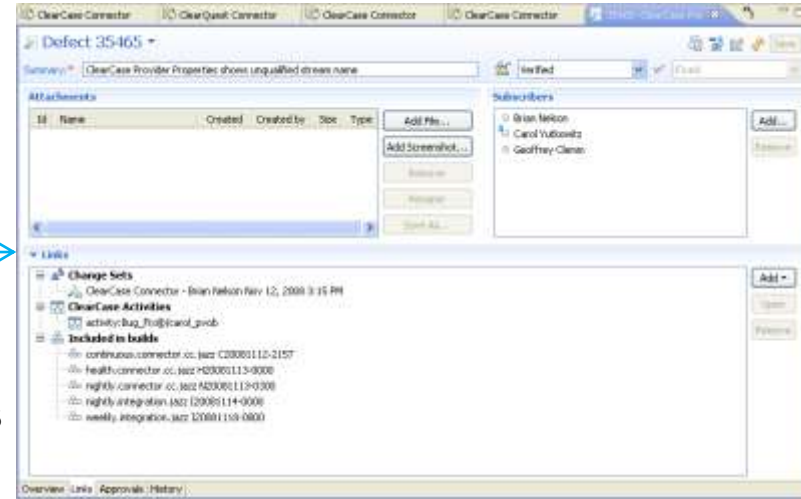
Integration cookbook: <https://jazz.net/library/article/813>

Link Agile Plans and Work Items to ClearCase

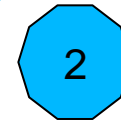
Linkage between plan items, work items and ClearCase, in the same Eclipse shell



1
Agile Plan links to Work Items



Work Items link to ClearCase activities/change sets

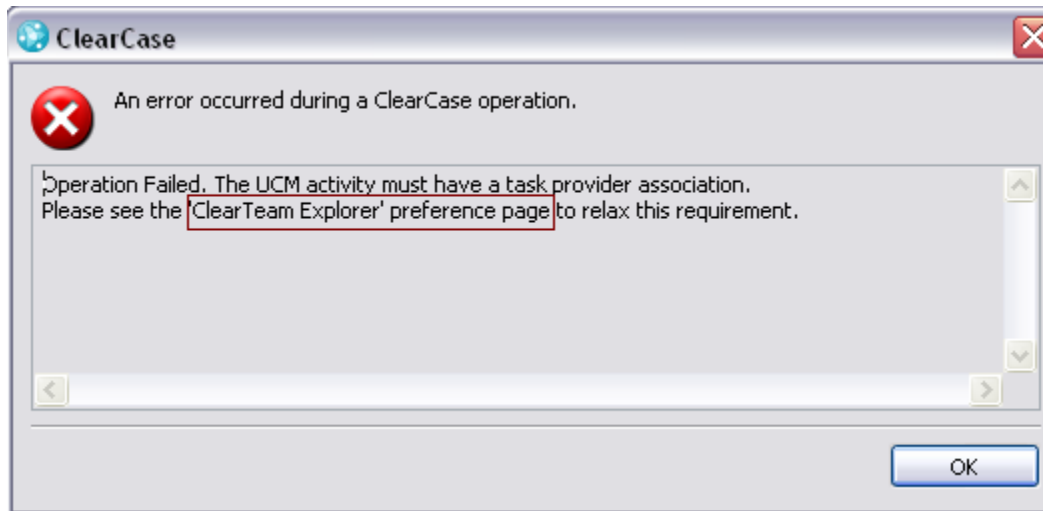
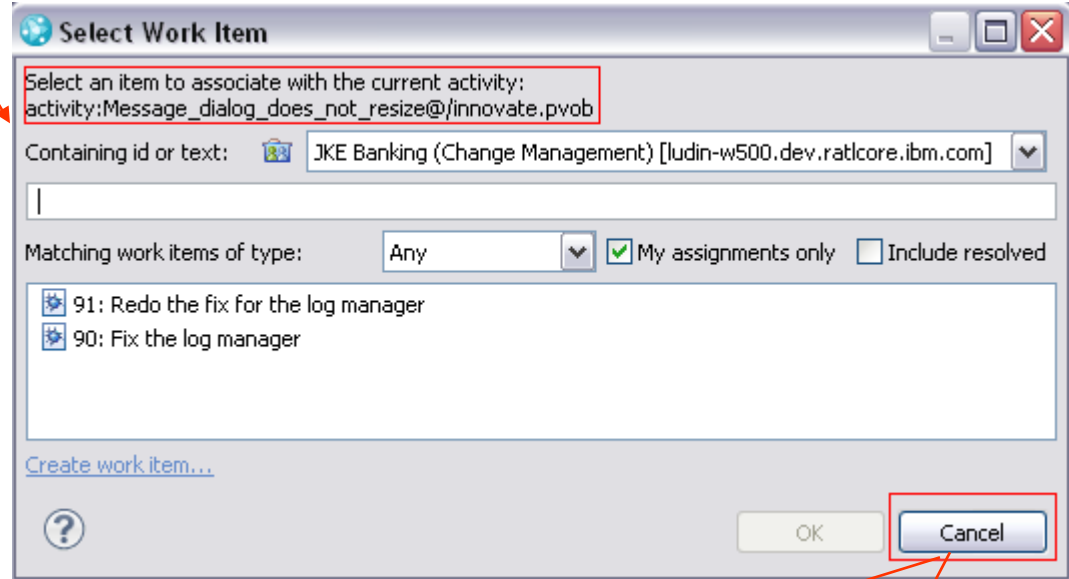
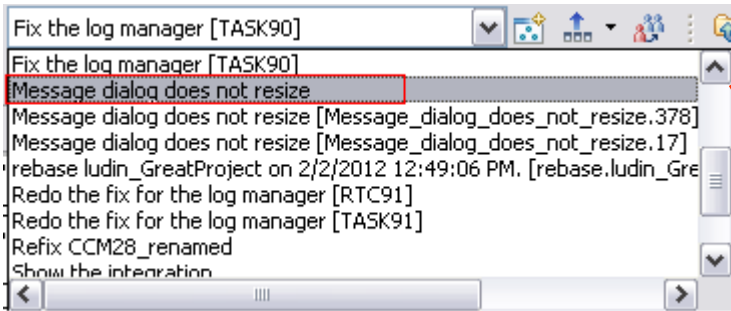


ClearCase Details ClearCase Change Set X

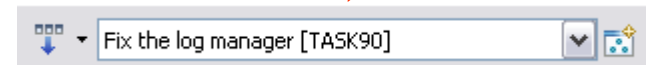
Activity: Fix name problem [Bug_Fix], View: caroly_Project1_int

Name	Version	Created On
carol_ucm_vob/C1	/main/Int1/3	May 31, 2009 3:02:28 PM...
carol_ucm_vob/C1/New...	/main/Int1/2	May 30, 2009 10:45:19 P...
carol_ucm_vob/C1/New...	/main/Int1/2	May 30, 2009 10:29:58 P...
carol_ucm_vob/C1/New...	/main/Int1/1	May 30, 2009 10:26:40 P...
carol_ucm_vob/C1/New...	/main/Int1/2	May 30, 2009 10:29:54 P...
carol_ucm_vob/C1/New...	/main/Int1/1	May 30, 2009 10:27:57 P...
carol_ucm_vob/C1/New...	/main/Int1/1	May 30, 2009 10:29:49 P...

Process enforcement support

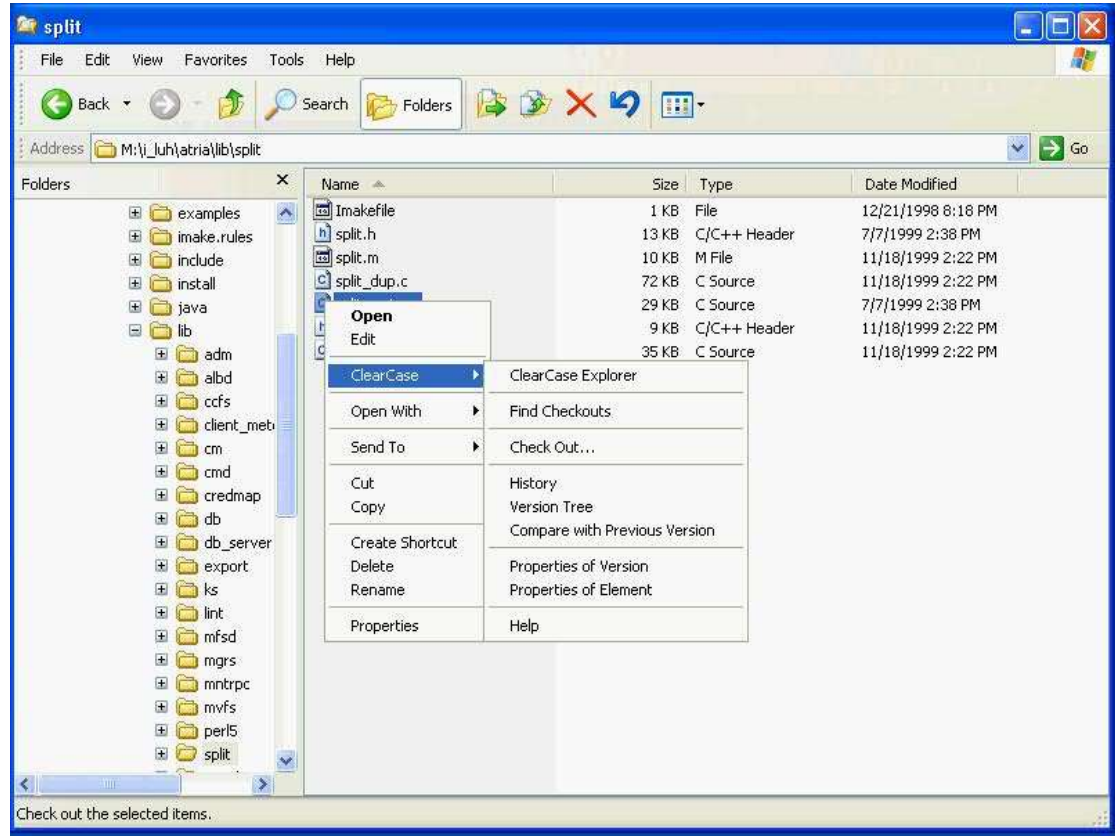


The current activity remains unchanged



64-bit Microsoft Windows OS integration support

- Support for the ClearCase - 64-bit Windows Explorer integration in 8.0.0.2
 - Adds ClearCase context menu on files in Microsoft Windows Explorer
- Support for 64-bit Eclipse
 - ClearTeam Explorer



CTE – RSARTE Integration

The screenshot shows the Rational Software Architect RealTime Edition interface. A 'Checkin' dialog box is open, titled 'Checkin selected files'. It contains a table of selected resources for checkin.

Artifact	Comment	Path
Model1		demo_base_source_vob\...
Model1		demo_base_source_vob/E...
Package1 [Model1]		demo_base_source_vob/E...
Package2 [Model1]		demo_base_source_vob/EclipseProjects/ModelProject1/Package2.efx

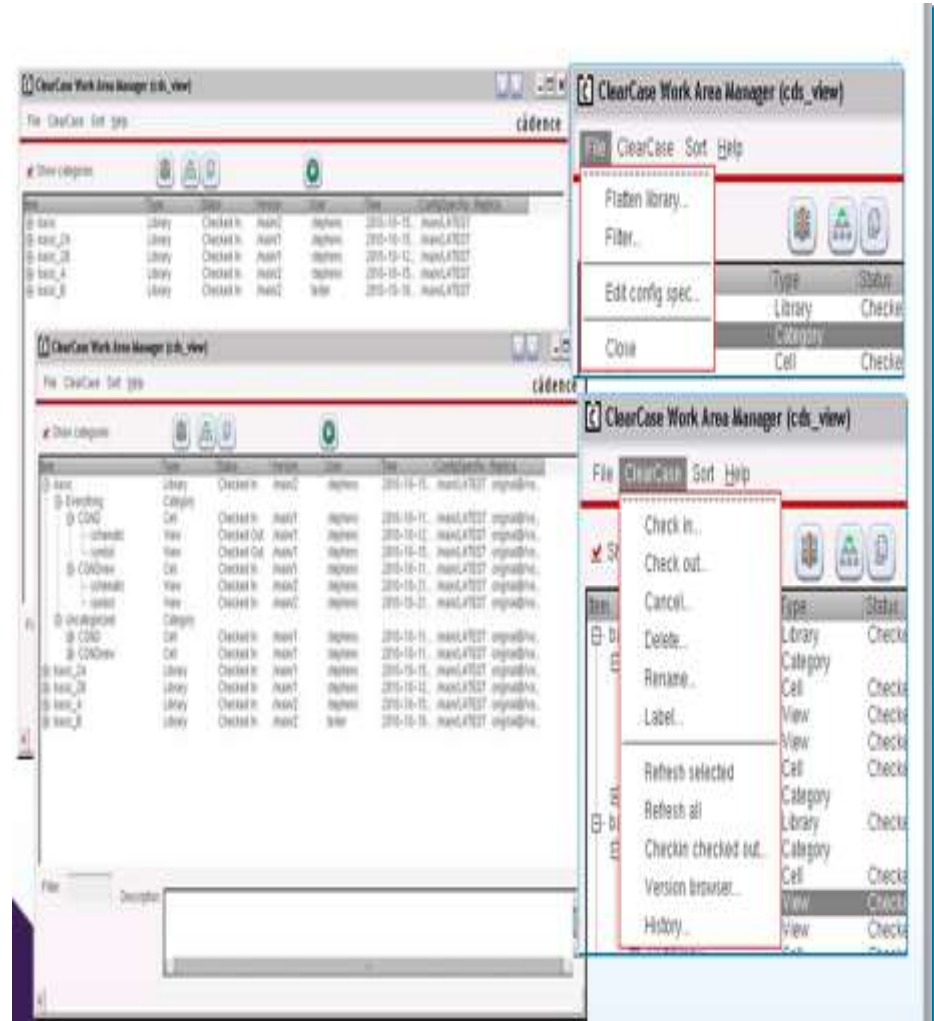
Below the table are buttons for 'Check All', 'Check None', 'Select All', and 'Select None'. There is also a 'Comment:' field and a checkbox for 'Commit changes in one transaction per VOB'. Three radio buttons are present for commit options: 'Leave the version checked out if it is identical to its predecessor' (selected), 'Undo the checkout if the version is identical to its predecessor', and 'Checkin even if the version is identical to its predecessor'. 'OK' and 'Cancel' buttons are at the bottom.

The background shows a UML diagram with nodes labeled '0' and '1', and a package named 'carol_branch'. A status indicator 'CHECKEDOUT.1462' is visible near the diagram.

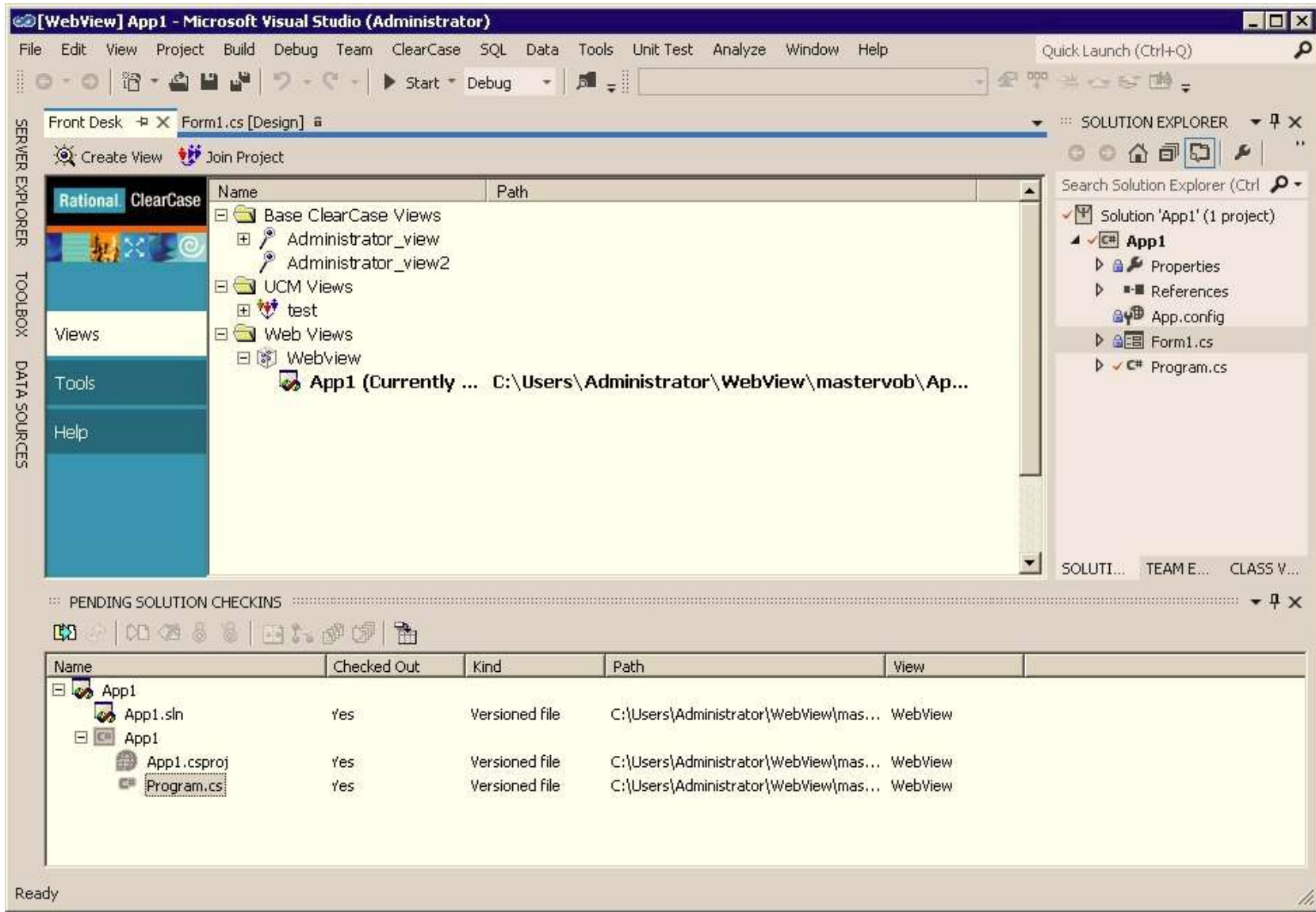
ClearCase – Cadence Integration Capabilities

Including 64-bit Cadence DFII support

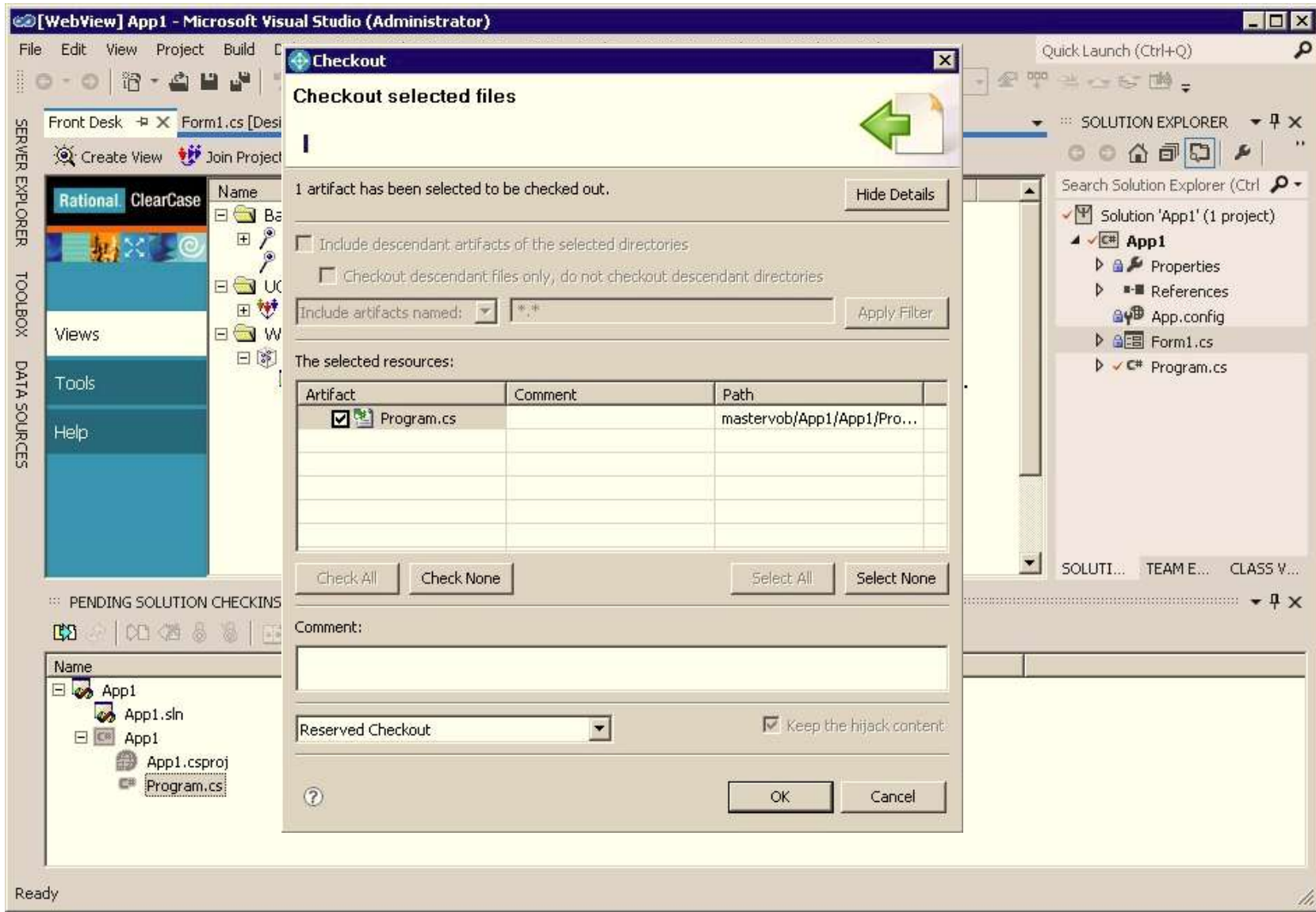
- A rich set of integrated Menus, toolbar, and custom user interface for workspace management and designer productivity
- Operations for Globally Distributed Development through MultiSite.
- Ability to perform version control operations from within your design environment
- Support for co-managed sets and Atomic Checkin operations
- Support for ClearQuest Enabled ClearCase Integration Scenarios



Future: Microsoft Visual Studio '11 Integration



Future: Microsoft Visual Studio '11 Integration



IBM Rational ClearCase & ClearQuest v8.0 Highlights

THEME	V8.0 (Oct 2011 Release)	
ALM Integration	<ul style="list-style-type: none"> ❖ ClearTeam Explorer Integration to Jazz Platform <ul style="list-style-type: none"> ❖ Base ClearCase and UCM support ❖ Rich Jazz work item association with ClearCase ❖ Eclipse 3.6 based shell-sharing support 	<ul style="list-style-type: none"> ❖ CQ Jazz Dashboard Data Visualization Support ❖ Requirements Change Management Integration update ❖ A common WAS 7 based Web Server Deployment ❖ serves CQ,CC and Jazz Web components
Developer Focused SCM Performance*	<ul style="list-style-type: none"> ❖ Up to 1.8x Faster UCC/Web Views workspace creation ❖ 10x Faster Namespace Collision detection (Evil Twin Detection) ❖ Up to 1.4x Faster CQ Web Access ❖ Up to 1.5x higher WAN access scalability for CC and CQ 	
Co-Development Solution for EDA	<ul style="list-style-type: none"> ❖ Cadence Integration Support <ul style="list-style-type: none"> ❖ Supports CQ-Enabled CC use cases for Cadence DF II ❖ Supports MultiSite Synchronous Request for Mastership ❖ Supports both 32-bit and 64-bit Cadence DF II 	
Core SCM	<ul style="list-style-type: none"> ❖ ClearTeam Explorer - Unified ClearCase Client <ul style="list-style-type: none"> ❖ Support for Dynamic Views ❖ Support for Web Views ❖ Support for Flexible CQ-CC Integration 	
Core CM	<ul style="list-style-type: none"> ❖ CQ Reporting Solution Enhancements ❖ CQ ALM Enhancements ❖ CQ E-Mail Plus Package Solution 	<ul style="list-style-type: none"> ❖ CQ Data Visualization through Charting <ul style="list-style-type: none"> ❖ Open Social Gadget Support ❖ CQ Web Help Support

*Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.



What's Next: Roadmap to 2015

IBM Software

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IBM Rational ClearCase & ClearQuest Product Direction

Enterprise Configuration and Change Management Solution

➤ Address Enterprise Configuration & Change Management Needs

- We plan to continue **CC and CQ enhancements** with a focus on providing additional compelling value to address enterprise configuration and change management needs.

➤ Address Collaborative Lifecycle Management Needs

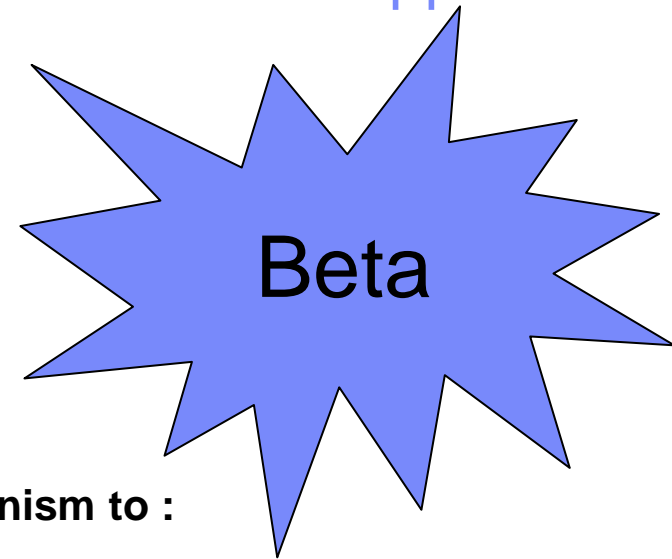
- We plan to continue to provide and enhance a **first-class integration** with Jazz Platform using connectors and bridges to address system and application lifecycle management needs.

Statement of Direction : <https://www.ibm.com/developerworks/wikis/pages/viewpage.action?pagelid=138316647>

8.0.1 Beta 1 : Role-Based Granular Access Control Support

- **Out of the box Solution being designed to:**

- Provide granular Access Control of files and folders stored in ClearCase Repositories
- Out of the box Role based Security to associate roles with user accounts and/or groups



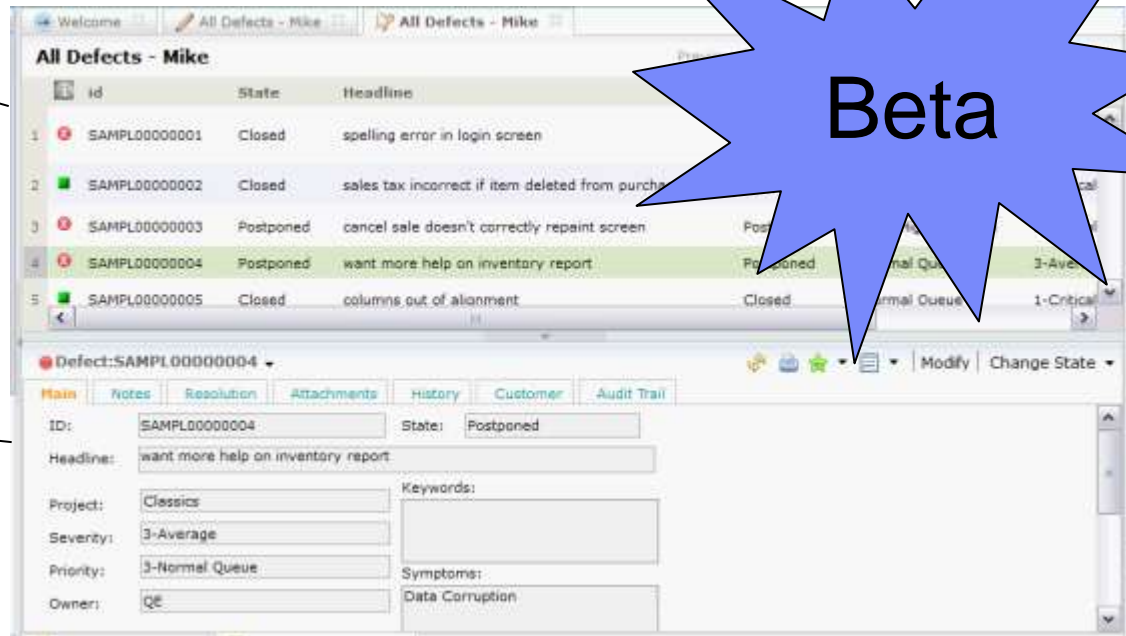
- **This Solution is being designed to provide the mechanism to :**

- Effectively control access to sensitive IP assets stored in ClearCase and shared among distributed development teams
- Overcome Operating System group limitations to implement strong IP security solution.
 - maximum groups on UNIX and Linux for use with ClearCase:
<http://www-01.ibm.com/support/docview.wss?rs=984&uid=swg21207807>
 - MVFS limitations on the number of ClearCase groups a user may belong:
<http://www-01.ibm.com/support/docview.wss?rs=0&uid=swg21131881>

8.0.1 Beta 1 : ClearQuest Mutli-Record Update

Results from a Multi-Record Update

“Recording” form tracking the sequence of changes to “play back” across all records in the result set



Q2 2012: ClearQuest Server-Based E-mail Relay

- Server base email solution offers
 - Complies with organization desktop email policies - server based email
 - Enables secure SMTP email
 - Post Office mode - ensures no email is lost



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