

IBM Rational Team Concert evaluation guide.

Learn about the agile application lifecycle management platform especially designed to support distributed development teams with comprehensive agile practice coverage

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Executive summary

Distributed software development team members must effectively collaborate with one another while avoiding duplication and version control issues. To address these needs, IBM developed IBM Rational® Team Concert™ software, part of the IBM Jazz™ technology platform, which helps distributed teams more easily collaborate, boost productivity and deliver high-quality products.

Rational Team Concert software can support your teams throughout the development process—providing support for work item tracking, source control, continuous builds, agile planning and reporting. Its components are tightly integrated, resulting in inherent traceability, global collaboration, streamlined workflows and automated status reporting—but the components can also be adopted incrementally to minimize disruptions and manage expenditures.

Rational Team Concert software promotes simplicity in software development, helping teams to work more effectively and efficiently so they can deliver higher-quality solutions faster. With this software, you can start new projects and add and transition team members quickly, thereby increasing your ability to respond to changes in your business as well as marketplace demands.

Your organization can try the software and be up and running in minutes by downloading the cost-free IBM Rational Team Concert Express-C edition for 10 developers.



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Becoming more agile

Agile software development can be significantly different from one organization to another. Agile is not a “one size fits all” proposition. Agile teams deliver working software in every iteration, providing concrete evidence of actual progress on the project.

Agile process awareness and methods are built right into Rational Team Concert software, so your teams can almost immediately start using agile methods such as Scrum, the Open Unified Process (OpenUP) and the Eclipse Way. A team can then customize the methods to suit its particular way of working, even while a project is still in progress.

The Rational Team Concert platform also integrates agile planning, real-time dashboards and trend reporting with your existing source control solutions. So you can continue to use your open source solutions, such as Subversion and Git, or IBM Rational ClearCase® and IBM Rational ClearQuest® software, for agile development.



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Leveraging Rational Team Concert software to create a competitive advantage

Rational Team Concert software offers the features and functionality that distributed software teams—including software project managers, team leads and team members—require in one powerful yet user-friendly package. Rational Team Concert software offers distinctive feature sets that empower teams with greater control over the software development process versus disparate point-product solutions for software configuration management (SCM), build management or work item products. Because all the features are built into a single platform, they are tightly integrated but are designed to support incremental adoption.

Rational Team Concert software can:

- Integrate virtually all aspects of the software development lifecycle with a common application lifecycle management (ALM) 2.0 platform that includes agile planning, process customization, source control, defect tracking, continuous builds and reporting.
- Connect with your existing Subversion, Git or Rational ClearCase source control solutions or use the built-in advanced component-based source control system.
- Allow team members to multitask almost instantly with innovative source control workspace suspend/resume capabilities designed to maximize productivity during necessary interruptions.
- Track defects, bugs and enhancements using the built-in work item capability.
- Adapt to nearly any process: Scrum/agile, iterative, waterfall and more.
- Store work item discussions in the context of the team's work.
- Automatically track team activity and display information in graphical dashboards, choosing which information should be visible at any time.
- Track the relationships between artifacts across plans, SCM and builds; enforce your development practices; and gather project information—all done automatically and unobtrusively.
- Scale from the smallest to the largest enterprise teams with specific software editions, tailored to your organizational requirements and budget.

On the following pages, you will learn more about the comprehensive features that compose Rational Team Concert software. Please note that some features are not available in all editions of the software. For more information on any feature set, visit jazz.net/projects/rational-team-concert/features.





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Common ALM 2.0 platform

Rational Team Concert software provides a common ALM 2.0 platform—an easy-to-use agile/lean solution for enterprise organizations that supports globally distributed teams. Prior to the ALM 2.0 platform, organizations had to use multiple vendor products to achieve change management, source control and build management. Each product had its own user interface (UI), logic, storage, security, backup and archiving—resulting in brittle integrations, high maintenance and administration costs, proprietary application programming interfaces (APIs), and siloed applications.

Now with the ALM 2.0 platform from Rational Team Concert software, developers can benefit from automated traceability, reporting and project status via a single integrated platform for work items, source control and continuous builds. The Rational solution offers a common security, process and administration model and supports Java™ Platform, Enterprise Edition (Java EE), Microsoft® .NET, IBM i, IBM System z® and other development environments.



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Team awareness

Rational Team Concert software helps you track project teams and the artifacts they are working on. It greatly simplifies access to team-related information and operations. For example, you can subscribe to event feeds and notifications across teams, helping you to stay informed. The software also simplifies collaboration with features such as near-immediate personal notification within discussion threads and dragging and dropping artifacts into chat sessions that become hyperlinks.

Feature	:	Function
Team artifacts view	:	Organizes all the builds, Really Simple Syndication (RSS) feeds, plans, work items, reports, streams and repositories that are associated with your team into a single configurable view that provides convenient access to what team members are working on.
Team setup	:	Enables you to add users to the team by creating new users, adding existing users or importing users from a directory service such as Lightweight Directory Access Protocol (LDAP) without involving cumbersome operating system administration.
Team invitations	:	Sends out team invitations by e-mail and, when accepted, automatically creates a repository connection, connects to the relevant project area, opens the editor for the team area, and creates and displays a set of initial work items as a guide for getting started.
Automatic notification events	:	Allows you to stay on top of what is going on in your teams through automatic notification of using events and RSS feeds such as build events from your team areas, team events for all of the team areas that you belong to, and work item events for all changes to your work items.
In-context instant messaging	:	Provides built-in synchronous collaboration for improved team communication. Enables you to view other Rational Team Concert users, start a chat, send files and more. Includes fully integrated collaboration: Wherever users are shown, their online status and chatting actions are available, too. Allows you to drag and drop virtually any artifact into a chat or create links to work items on the fly. Saves chats as part of work item discussions to capture critical decisions. Supports Extensible Messaging and Presence Protocol (XMPP)-based (Jabber) collaboration, Google Talk and IBM Lotus® Sametime® instant messaging.
Personal notifications	:	Lets you address one or more colleagues in discussion threads to facilitate collaboration within a distributed team. Enables you to type "@" followed by the colleague's user ID while content assist helps you find the right user ID based on a person's first or last name. Sends an alert and a change event to the addressee.

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Process awareness and customizability

Rational Team Concert software can improve the productivity of your teams and the quality of the work they produce by allowing each team to teach the software the team's best practices. The Rational Team Concert platform uses this knowledge to automatically detect violations of your teams' processes the moment they happen. Moreover, all components of the Rational Team Concert solution follow and enact the same common process for a project.

Feature	:	Function
Out-of-the-box processes	:	Process templates provide a starting point for a project area's initial process and iteration structure, making it easier to get started. Predefined templates are included for Scrum, the Eclipse Way, OpenUP and more.
Processes customizable by teams	:	Each team can customize its processes to fit the way it works, including agile, continuous integration, iterative, waterfall or other processes.
Flexible process rules and automation	:	Processes are defined by specifying permissions, preconditions and follow-up actions for a variety of operations—such as saving work items, modifying team areas, delivering change sets to streams or starting builds. You can configure follow-up actions for events generated when changes are made to artifacts in the repository.
Processes customizable by project iteration	:	Your team can customize the process for each timeline and iteration. This allows the process to change over time as the project moves through successive iterations.
Live recommendations	:	The platform provides feedback—which typically includes proposals for automated fixes—whenever a team's process is violated.
Easier process customization	:	A point-and-click user interface enables you to edit processes without having to dive into the underlying XML presentation.



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Agile planning

Agile planning can assist with the planning and execution of release plans for a project, iteration plans for teams and individual plans for developers. Rational Team Concert software can track the progress during a release and its iterations and balance the workload of developers. Everyone on the team can access plans, which can change dynamically over the course of the iteration to reflect the team's actual position and direction. To help ensure that your team spends its time and effort wisely, the Rational solution also helps you identify high-risk items in plans, so you can monitor and take action as required.

Feature	:	Function
Backlog management	:	A sprint, release or product backlog of tasks/features is managed using a plan editor. The plan editor assists you with stack ranking your backlog items by using drag and drop. It provides an iteration view onto the release to see at a glance which stories are planned for which iteration. You can drag and drop to more easily assign the stories from a backlog to specific iterations, and the integrated progress bar helps to not overload an iteration considering the team's velocity and to track overall progress.
Sprint planning	:	The plan editor provides a view of the work breakdown structure of stories into the implementing of tasks, grouped by the owner of the work items. Drag and drop is used to manipulate the work breakdown structure or reassign the task to do load balancing. Key work item attributes—such as the estimate of a task—can be changed in place, and the changes are immediately reflected in the corresponding progress and load bars.
Developer task board	:	This is used to run your daily Scrum meetings. The view will render all work items as cards on a board, arranging them in columns representing three states: To Do, In Progress and Done. This allows for a quick overview of your work, and it's straightforward to mark something as done: simply drag it from one column to another.
Sprint risk assessment	:	Work item owners can specify minimum and maximum estimates in addition to the already existing estimates. This information is used to simulate the probability of work items being completed on time using a Monte Carlo simulation. The probability of completion for a work item is indicated using a color gradient from white to red—from very probable to improbable.

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Feature	:	Function
Daily work planning	:	Planning the developer's daily work is essential to track the overall progress of a sprint and to do proper load balancing between team members. To make this as smooth as possible for developers so they can focus on writing code, Rational Team Concert software equips developers with the My Work view. The My Work view is a personal view into all assigned work items and allows for in-place scheduling and estimation.
Color highlighting	:	You can use color to highlight work items in plans. Simply specify a search criteria and a color to have all matching work items highlighted. This lets you draw attention to important items or items deserving special attention.
Team load bar	:	This shows load bars for a selected team and iteration. A load bar is a graphic representation of workload: the ratio of remaining work and available work time. A load bar is green if there is still time to complete all the work and red if there isn't. Because the computation depends on work item estimates, the percentages of estimated work items are shown as a fill level. You want the bar to be green: Get the right amount of work assigned and the bar grows horizontally; estimate well and the bar grows vertically. It is also useful for distributing work among team members. You can see the workload of each team member and reassign work items by dragging them onto the corresponding bar.
Team progress	:	The plan editor keeps you updated about the progress of your team for a single sprint or for the project for a whole release. You can understand progress as the ratio of finished and remaining work, for example, "160 of 317 hours of work are done" for sprint backlogs and "13 of 42 story points are done" for product backlogs. The progress information will also provide a constant velocity projection based on the past and the amount of work time remaining. So if the past work time is nine hours and you completed work you had estimated at three hours, the projection assumes that you'll need three times as much work time as estimated for the work that remains. Comparing the projected value to the remaining work time lets you know whether you are ahead of or behind your target. The same projection is done for product backlogs using story points as the sizing attribute.

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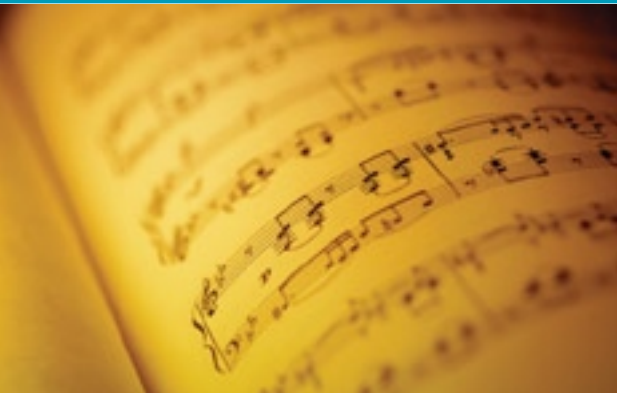
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Work item tracking

Work items are the fundamental mechanism in Rational Team Concert software that tracks and coordinates development tasks (such as bug triage, defects, enhancements, tasks, plan items and change requests) and workflows. You can create, customize and modify work items to support your development processes, forms, terminology, approval process and more. The Rational solution also offers features such as an integrated image capture tool, automated traceability and highly customizable workflows.

Feature	:	Function
Automated traceability	:	Work items automatically capture the linkages between work items, source control and builds as you perform work, so you can navigate to all related artifacts with ease as you go about your work.
Approvals	:	You can more easily set up approval, review or verification requests for a work item to help ensure timely reviews and enhance quality. Approvers will receive e-mail notification for the initial request and as an overdue reminder. You can also automatically trigger a state transition on the work item when an approval has been accepted or rejected.
Eliminate duplicates	:	Powerful duplicate search functionality simplifies bug triage substantially by identifying potential duplicate work items.
Category assistance	:	When saving a work item with an unassigned category, the software makes assumptions about the work item category to be assigned based on the content of the work item. It helps work progress more smoothly.
Tagging	:	Creating keywords (tagging) on work items is a great way to help find them, and you can conveniently do it using content assist. If you want to see a set of work items as a tag cloud, simply drop a query into the Tag Cloud view. Clicking on a tag in this view retrieves all the work items for the particular tag.
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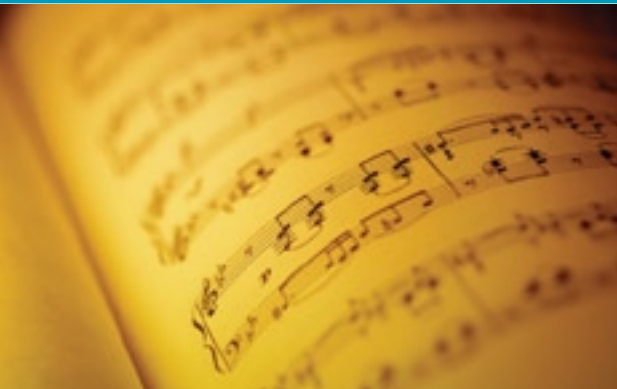
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Feature	:	Function
Electronic signatures	:	Certain changes to work items are protected by Title 21 CFR Part 11 regulations and require a confirmation of the user doing the change. Electronic signatures support the Code of Federal Regulations (CFR) provisions for electronic records and electronic signatures.
Image capture	:	You can more easily attach images and screenshots to a work item to improve clarity. An even quicker way is to use the built-in capture screenshot tool, which allows you to capture a part of the screen, annotate the image with simple line drawings, and attach it to a new or existing work item.
Work item customization	:	You can customize work items to better support your development process. Common customizations include creating new work item types with different sets of attributes, enumeration types and work item type-specific presentation layouts for integrated development environments (IDEs) and the Web. Advanced customizations include defining specific state transitions and setting up predefined work item queries.
Import from other change management tools	:	Import defects and tasks from Bugzilla, Rational ClearQuest software or comma separated value (CSV) files. All importers support an XML mapping file where you can specify how the input data of the source formats is mapped to work item attributes and values.



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Source control

Rational Team Concert software features a component-based source control system. Its focus is on supporting geographically distributed teams with strong support for parallel and agile development. It's built from the ground up to support a highly integrated, collaborative development environment; integration with defect tracking; integration with builds; and process-centric automation. Some distinguishing features include the ability to suspend and resume work an unlimited number of times; share changes across any team or developer; and advanced SCM such as baselines, components and refactoring.

Feature	:	Function
Change sets	:	The storage model is based entirely on change sets, which provide atomic changes to sets of files. Change sets are the base currency and can be shared via work items, suspended, discarded and resumed.
Streams	:	Teams or projects own a set of streams that provide a simple mechanism for sharing change sets between team members. Streams can be created more easily for ad hoc collaborations and can be created from builds to reproduce shipped products. In addition, streams provide an efficient scaling mechanism where teams of teams can be isolated and flow their changes into stream hierarchies as integration is needed.
Component development	:	Instead of combining all your change sets in the same namespace, components provide an additional composition mechanism to organize work in the same repository. The software groups files into change sets that belong to a specific component, and it groups components into streams.
Parallel development	:	You almost never have to remember to tag or label files to patch or start a maintenance line. Several levels of built-in parallel development exist to make it easier to isolate your work or your team's work as needed.
Conflict resolution	:	This gives you full support for tracking file and folder renames, moves, comparisons and merges. You can also use your favorite third-party compare tools, such as Beyond Compare, or specify your own custom setup.
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Feature	:	Function
Dashboards	:	You can configure a dashboard viewlet to show the amount of source control activity that happens over time. Monitoring this can help identify trends, such as the pace of changes slowing down as a stream stabilizes for release.
Import from other source control systems	:	Importers help migrate files and their history from source control tools into the Rational Team Concert source control system. Importers are available for Rational ClearCase, Subversion and Concurrent Versions System (CVS) solutions.
Integrated search	:	Find a change set you were working on but deleted last month. Or search repository workspaces to find all uses of a function that was renamed. Searching helps find and fix problems early before they ever make it to the project stream and build.



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Continuous builds

The team build component integrates the team’s build system into Rational Team Concert software, providing the team with build awareness, control and traceability. Team members can track build progress, view build alerts and results, request builds, and trace builds to other artifacts such as change sets and work items. To improve the likelihood of a rapid and successful build, the Rational solution supports personal builds and enables developers to reproduce workspaces from failed builds.

Feature	:	Function
Build awareness	:	It allows team members to see existing builds, inspect build results, monitor builds in progress and request builds at any time.
Automated traceability with other artifacts	:	It captures links among builds, change sets, work items and annotated code changes, automatically as work is performed, so no details get lost.
Personal builds	:	It enables you to run the team’s real build against code you have not yet shared with the team, helping to reduce build failures.
Report work items in context	:	When you encounter a build problem, you can create a work item directly from the build result to quickly record the issue. The work item and build result are richly linked in the UI.
Build reproducibility	:	Every build “remembers” a snapshot of the source code used in the build, so you can more easily re-create the workspace used in the build to restore a previously known state.
Build comparison	:	Any two builds can be compared, and the changes and work items between them are inspected to help speed issue resolution.
Health reports	:	Several build-related reports are available out of the box to help you keep an eye on build failure rate, duration and problematic tests.
Web UI	:	From the Web UI, you can view build results, such as execution summaries, downloads and logs. You can also request builds and report work items against a build.
Support for existing build infrastructure	:	It accommodates your existing build tools—such as Apache Ant, Apache Maven and command line—rather than forcing you to rewrite the build.



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Transparency and project health

The Team Reports and Web Dashboards components of Rational Team Concert software help you monitor the health of your projects. Dashboards provide an at-a-glance view of work item queries, event feeds and other items that are critical to understanding your progress. Reports provide both real-time views and historical trends of builds, streams, work items and other artifacts that your team works with. Cross-project and cross-repository dashboards are possible so you can share data across teams or with internal and external customers.

Feature	:	Function
Dashboards	:	Dashboards provide a great starting point or portal for just about any project or team by combining and condensing various types of useful information in one place. Keep track of your project's overall health via iteration plans, trends, work item information, event logs and more. See useful team information, links, announcements and activity by visiting your team dashboard. Dashboards are designed to be easy to create and update and are highly customizable—all you need is a browser.
Cross-project and cross-repository dashboards	:	These enable you to share data across teams or internal and external customers, reducing ad hoc communications, saving time and reducing confusion.
Data warehouse	:	A data warehouse is a special database designed to store aggregated, historical data. This data can then be easily queried and used to discover trends and justify changes or non-changes based on those trends. The Reports component implements a data warehouse, which is populated daily with a plethora of data about many different artifact types, including work items, streams and builds. In fact, many of the out-of-the-box reports included with Rational Team Concert software use this data to provide historical trend charts (compare these charts with those that plot only the current state of the repository). The data warehouse requires no configuration out of the box and will automatically begin collecting data for the reports to present.

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Out-of-the-box reports	:	These allow you to track various aspects of your project's progress with a library of more than 50 predefined reports that will enable you to get going with reporting right away. Reports are configurable, so you can make them reflect the processes that your development team uses. A list of reports may be specified in a process template so that all project areas created from this template will automatically contain the selected reports. All you need is a browser to view and customize reports.
Work item reports	:	Trend reports allow you to view new work items per day, closed work items per day, a comparison of open work items between teams, open work items by type, open versus closed work items, and more. The sprint burndown and release burndown reports are designed to be useful to teams using Scrum methodology, as are the story points and team velocity reports. These reports provide real-time insight into your project status, allowing you to shift resources to the most critical tasks to improve project timeliness and reduce risk.
Source control reports	:	To drill in and understand how much code is being produced and shared with the team, the project activity report displays a long-term view of both change sets for a larger granularity as well as files and folders for a smaller granularity. You can even break these numbers down by component. The stream size report shows you the trend of the size of your stream over time, both with respect to the number of files and folders as well as the size on disk.
Build reports	:	Team members need to know why a build failed and how to fix it. Over time, interested stakeholders will also like to know about the build's record: How often does it fail? How long does it take to fix a broken build? What has caused it to break the most frequently? Is the build taking longer to complete than before? It is possible to answer these questions and others using a number of provided build-related reports, including Build Health, Code Coverage, Code Health, Frequent Test Failures and Frequent Test Regressions.
What others are working on	:	With navigation, bread crumbs and search, finding other dashboards is easy. You can quickly visit any project or team, or even profile the dashboard for the repository, to see what others are working on or to check status, obtain help or offer assistance.

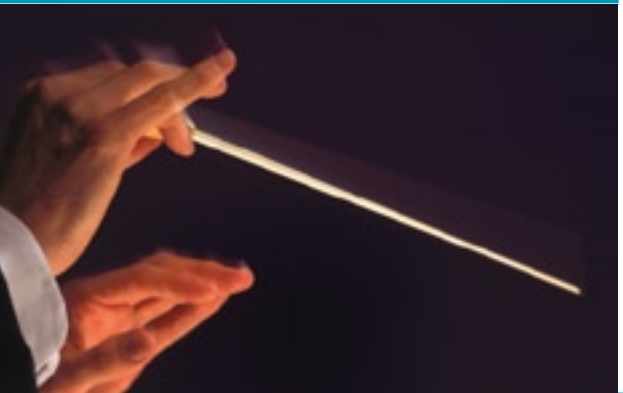
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Document collaboration

Connect your business stakeholders that use Microsoft SharePoint or IBM Lotus Quickr™ software to your development teams using Rational Team Concert software. This integration directly links your IDE to your project, team and personal document libraries. It improves transparency of the software delivery process as well as process control over documents, which can be enhanced to include approvals.

Feature	:	Function
Connects Microsoft SharePoint and Lotus Quickr enterprise document libraries	:	Unlike source code management systems or wikis, Microsoft SharePoint and Lotus Quickr applications are designed for collaboration with business and IT stakeholders—many of whom already use Microsoft SharePoint or Lotus Quickr software as their document libraries.
Direct document access	:	This provides comprehensive integration and access to your enterprise document libraries, including the ability to search, access, create, modify and publish documents without having to leave the IDE.
Associating documents with work items	:	Use drag-and-drop operations to more easily download or upload documents from and to your document libraries or to associate a document with a work item.
Collaborating with business and IT stakeholders	:	Using document library workflows, document reviews can be defined and enforced to prevent the development team work item that is associated with a document from being resolved until the business document workflow is complete.
Instant messaging integration	:	When reviewing a document, you often need to ask the author for clarifications. Why wait? Use presence awareness within Rational Team Concert software to see whether the user who created, last modified or has a document checked out is online—and then start a chat.

Note: Rational Team Concert integration with Microsoft SharePoint and Lotus Quickr software is an optional add-on provided by Mainsoft Document Collaboration for Rational Jazz software, a third-party add-on from Mainsoft. IBM resells and supports the software, and you can download a free trial at ibm.com/software/awdtools/document.



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Client interfaces

Rational Team Concert software provides a single repository supporting heterogeneous platforms. Its built-in Eclipse and Microsoft Visual Studio client support provides Rational Team Concert users with rich, integrated development environments for building and delivering artifacts. A rich Web interface provides capabilities normally associated with thick client solutions: accessing project areas, browsing repository information, updating tasks, submitting defects or reading about recent events. It also allows for server and project administration access.

Feature	:	Function
Support for Eclipse and Microsoft Visual Studio IDEs	:	Provides native, integrated development environment support for building and delivering artifacts in the user platform of choice.
A single repository that supports heterogeneous platforms	:	Supports platforms including Java EE, Microsoft .NET, IBM i and System z technology with a single repository, reducing administration and infrastructure expense.
Web interface	:	Enables you to do agile planning, access project area dashboards, trend reports, review work items, submit defects, read about recent events and more.



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Integrations

Rational Team Concert software connects with other products—such as Rational ClearQuest, Rational ClearCase, Subversion and Git software—to help users integrate it into their existing environments. It also integrates with Jazz technology-based IBM Rational Quality Manager and IBM Rational Requirements Composer software to create a Collaborative Application Lifecycle Management (CALM) platform, as well as many other IBM, IBM Business Partner, third-party and open source solutions based on Eclipse extensions and plug-in compatibility. Open Services for Lifecycle Collaboration (OSLC) is an HTTP-based Representational State Transfer (REST) API that makes it easier to write and standardize integrations.

Feature	:	Function
Rational ClearCase integrations	:	For integrating with Rational ClearCase software, Rational Team Concert software includes a Synchronizer, a Bridge and an Importer. The Synchronizer supports flexible bisynchronization between a stream or branch in Rational ClearCase software and a stream in the Rational Team Concert source control system. You can use the Bridge to integrate Rational ClearCase source control with Rational Team Concert software so that you can take advantage of work items and other functionality without using IBM Jazz source control. The Importer imports file and folder history from unified change management (UCM) streams and base Rational ClearCase software to Rational Team Concert source control.
Rational ClearQuest integrations	:	For integrating with Rational ClearQuest software, Rational Team Concert software includes a Connector, a Bridge and an Importer. The Connector component allows teams using Rational ClearQuest software to share work-tracking data with teams using Rational Team Concert software. The Bridge lets you create, view and modify Rational ClearQuest records; run Rational ClearQuest queries; and associate Rational ClearQuest records with work items, all in the Rational Team Concert Web client. The Importer imports records from a Rational ClearQuest user database into a Rational Team Concert project area, where they are stored as work items in the repository.
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Feature	:	Function
Rational Requirements Composer integration	:	Integration with Rational Requirements Composer software allows business analysts or project or product managers using Rational Requirements Composer software to establish links between business goals and requirements to work items in Rational Team Concert software. They can also perform queries across the tools to find which requirements have missing tasks and then actually create new work items with automatic links to those requirements.
Rational Quality Manager integration	:	Integration with Rational Quality Manager software allows testers using Rational Quality Manager software to establish various types of links to work items in Rational Team Concert software. Rational Quality Manager software adds new dashboard viewlets to track untested plan items, successfully tested plan items and defects blocking test executions.
Subversion and Git bridges	:	Subversion and Git bridges allow you to link Rational Team Concert work items with your existing Subversion and Git source control systems.
OSLC support	:	OSLC is a community effort that helps software delivery teams by making it easier to combine lifecycle tools. The OSLC community is creating open, public descriptions of resources and interfaces for sharing the things that software delivery teams rely on, such as change requests, test cases, defects, requirements and user stories. More information is available at open-services.net .



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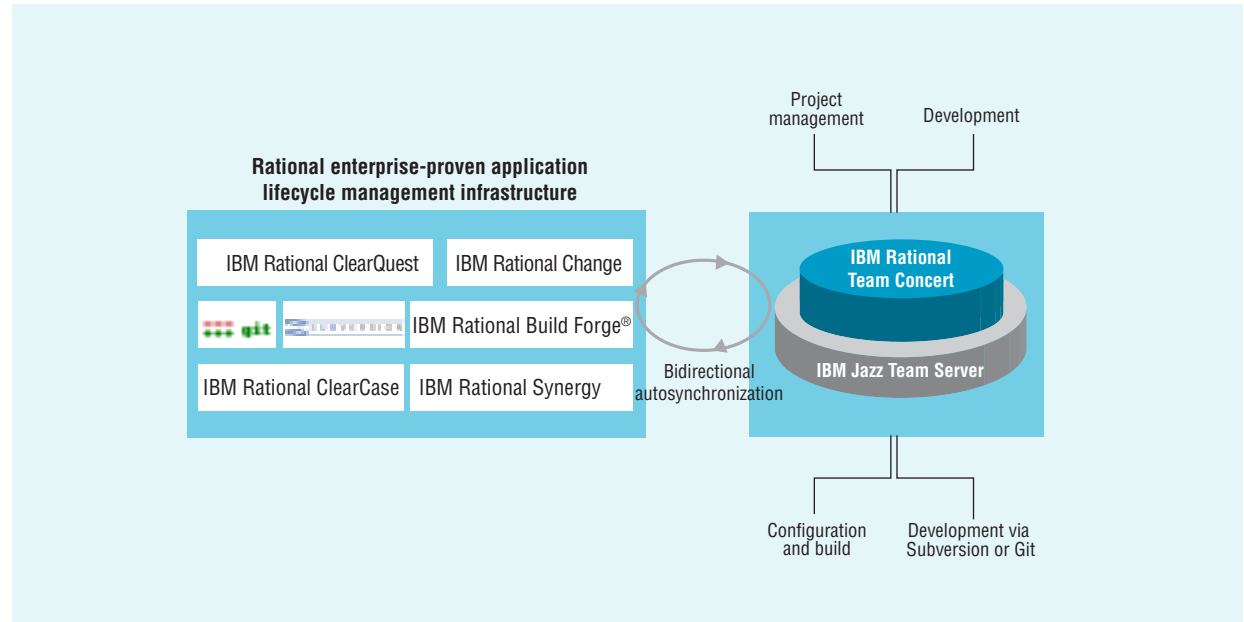
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The CALM effort leverages the OSLC 1.0 specification for change management. This standard defines a common set of resources, formats and HTTP-based REST services for change management tools.



The Rational Team Concert platform is based on IBM Jazz technology, so it tightly integrates with IBM Rational development solutions as well as open-source software to establish a comprehensive application lifecycle management solution



What is the Jazz platform?

The IBM Jazz collaborative software delivery platform is exceptionally attuned to global and distributed teams. It is designed to transform how people work together to build software, making software delivery more collaborative, productive and transparent. You can think of the Jazz platform as an extensible framework that dynamically integrates and synchronizes people, processes and assets associated with software development projects throughout the software lifecycle.

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Administration

Rational Team Concert software includes a Web-based administrative UI for its setup, configuration and administration. Administrators can modify and save the server configuration through a browser, in many instances without needing to restart. Based on role-based permissions, authorized users can also view key statistics and see the requests currently being executed.

Requiring only one administrator per 3,000 users,* Rational Team Concert software has low administrative costs. It also boasts low total cost of ownership (TCO) with a common security, process and administrative model across lean ALM tools.

Feature	:	Function
Web-based server setup wizard	:	Provides an easy-to-use server setup wizard that guides you through setting up common configuration settings: database configuration, e-mail notifications and user management. The wizard lets you choose between a simple “fast path” setup with minimal configuration—which is useful for getting started or evaluation—or a custom setup that walks you through each of the options.
Web-based administrative UI	:	Provides a Web-based administrative UI in which authorized administrative users can connect from anywhere to monitor or configure the server. This includes pages for viewing the server status, viewing statistics for frequently accessed requests and seeing what’s happening on the server.
User management and LDAP integration	:	Imports and synchronizes users from an external LDAP directory—the same user registry (realm) used for authentication and authorization—helping to ease the burden of maintaining user data in two places.
Role-based permissions	:	Brings administrative control closer to the project team, rather than central IT, for fast response.
Repository and data warehouse reports	:	Provides system administrators and other IT stakeholders interested in the health of the server with useful repository and data warehouse reports. Breaks down database content by item type via metrics reports, so you can see where the space is going and determine whether you understand the growth of the repository. Shows the trend of server usage as measured by service calls via counters reports. Shows a trend of the footprint of the snapshots in the data warehouse via data warehouse reports.

*Based on actual Rational Team Concert deployments

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Looking to gain a competitive advantage by increasing responsiveness, software quality and customer satisfaction, CGI—one of the largest independent information technology and business process services companies in the world—needed a way to better manage agile development across its distributed team.

The company adopted Rational Team Concert software to streamline and govern software delivery across its multiple development offices. Its development team was able to leverage existing software assets and smoothly migrate projects to a Rational Team Concert environment while development was ongoing. Even when handling a project with more than a million lines of code, CGI was able to easily migrate to the Rational Team Concert environment.

Rational Team Concert software makes it easy for developers to keep track of work items, assigned tasks and builds, even while switching between projects. The Web-based solution provides stakeholders with an up-to-date view of project plans. Rational Team Concert software helps enable directors to assign and categorize tasks, visualize the planning, and monitor progress via a dashboard.

Since implementing Rational Team Concert software, CGI has seen a 30 percent increase in productivity in its SCM activities. As a result, the client reduced the time needed to deliver a project and simplified the entire process. And while CGI used agile techniques previously, the Rational software helps the development team employ them more effectively. The global development team is collaborating better, and it has a clear, up-to-date view of overall progress and individual work items on all projects underway.



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How does Rational Team Concert software stack up?

There are many software development solutions out there. So how do you choose? Decide which capabilities are important to you, and find out how other products compare to Rational Team Concert software.

Features	Rational Team Concert software	Compare with your other options here:
Common ALM 2.0 platform , delivering an easy-to-use agile/lean solution for change management, source control and continuous builds in a single, seamless integrated solution that supports globally distributed teams	✓	
Team awareness , including personal notifications, event feeds and in-context instant messaging	✓	
Process awareness and customizability , supporting Scrum/agile, iterative or waterfall processes	✓	
Agile planning , supporting release plans for projects, iteration plans for teams and individual plans for developers, including visual progress and load bars that dynamically link planning status to real-time execution	✓	
Work item tracking , including customizable work item workflows, approvals, electronic signatures, automated traceability to SCM and builds, and image attachments	✓	
Source control , featuring advanced SCM that supports baselines, components, refactoring and parallel development along with an unlimited suspend and resume work capability	✓	
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Features	Rational Team Concert software	Compare with your other options here:
Continuous builds , including personal builds and the ability to reproduce the workspace of failed builds	✓	
Transparency and project health tracking , including graphical, customizable dashboards at the individual, team and project level and a data warehouse for trend reports	✓	
Document collaboration , connecting communities using Microsoft SharePoint or Lotus Quickr software	✓	
Client interfaces , including Eclipse and Microsoft Visual Studio IDEs, a rich Web interface	✓	
Integrations with Subversion and Git, OSLC industry-standard HTTP-based REST services for ALM, and a broad ecosystem that includes IBM products, IBM Business Partner products, third-party solutions and open source integrations	✓	
Administration , featuring a low TCO provided by a common security, process and administrative model and a single repository for heterogeneous platforms	✓	

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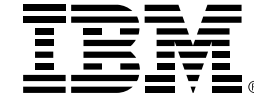
To learn more about IBM Rational Team Concert software, contact your local IBM representative or IBM Business Partner, or visit:

jazz.net/projects/rational-team-concert

If you want to try the software and be up and running in just minutes, download the cost-free IBM Rational Team Concert Express-C edition, for up to 10 developers, at:

jazz.net/downloads/rational-team-concert/latest





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