Rational Quality Manager

RQM 6.0.1 Test Execution: Learn to use RQM to execute tests.

RQM 6.0.1 Test Authoring and Planning: Learn to use RQM to execute tests, create tests, and create test plans and test cases.

RQM 6.x Fundamentals: Learn to use RQM to execute and create manual tests.

Jazz Reporting Service

Jazz Reporting Service Fundamentals: Running, creating, sharing, and exporting reports using Jazz Reporting Service.

RATIONAL TEAM CONCERT 6.0.1

Rational Team Concert Team Collaboration/web : RTC work items, project plans, queries, reports, dashboards, and scheduling.

Rational Team Concert Source Control Fundamentals: Fundamentals of source control using RTC.

* Team Concert Source Control Fundamentals/Eclipse
* Team Concert Source Control Fundamentals/z
* Team Concert Source Control Fundamentals/Shell
* Team Concert Source Control Fundamentals/.NET

Rational Team Concert Source Control Fundamentals/Ecilipse/

Rational Team Concert Source Control Advanced/Ecilipse: Advanced RTC source control

Rational Team Concert for Project Managers: RTC basic project setup and configuration, as well as process and behavior customizations.

Rational Team Concert Source Control Fundamentals:

Rational Team Concert Builds : Submit builds, create build engines, and create build definitions in RTC.

* Rational Team Concert Builds/Desktop
* Rational Team Concert Builds/Enterprise

uDeploy:

* workflow for a basic project
* Explore the user-interface navigation
* Organize and access resources
* Orchestrate deployments to different environments
* Set up the security model
* Troubleshoot deployment problems (administrators only)
* Make use of the extended product functionality (administrators only)

works in heterogeneous environments

Deployment Sources

Build servers

Source control tools

Maven repositories

IBM Integrations

RTC / ClearCase / Synergy

WebSphere Application Server

MQ

Message Broker

Other Java Platforms

WebLogic, Tomcat, Jboss, etc

Quality & Change Management

QualityCenter

Remedy

ServiceNow

Microsoft Platform

IIS

SharePoint & Biztalk

Infrastructure

Public / Private Cloud

Load Balancers

DataBases

uRelease – Release planning and orchestration

uRelease delivers

* Plan the release day
* Execute the release
* Communicate what’s going on
* Allocate environments to releases
* Tie release back to development
* Describe release management challenges and solutions
* Compare the activities in release and deployment
* Explore the Pipeline view and release management concepts
* Review the contents of a deployment plan and schedule a deployment
* Create task flow and segment dependencies
* Develop strategies to customize a deployment plan
* Create changes and organize them into initiatives
* Track application dependencies with the Impact Analysis view
* Create and assign quality statuses

Products

* IBM Rational Team Concert (RTC), IBM Rational DOORS Next Generation (RDNG), IBM Rational Quality Manager (RQM) and more
* Open Source – GIT, SVN, CVS, Bugzilla and others
* Builds/CI/CD – IBM UrbanCode Deploy, IBM UrbanCode Release, Jenkins, Ant,
* RTC Build, Maven, Artifactory, MSBuild, Make and others
* Packaging – Linux RPM and others
* Aspera - Fast Data Transfer (B2B Integration)
* Security - IBM Security AppScan, IBM InfoShere Guardium

**RTC: More Info**

Application Administration:

1. Describe the Jazz platform and architecture
2. Describe planning a Jazz Team Server deployment
3. Demonstrate an understanding of installing the Jazz Team Server and applications
4. Describe managing users, licenses, and projects
5. Demonstrate knowledge of troubleshooting techniques

Project/Team Configuration:

1. Describe the project and team area structure and hierarchy
2. Describe teams, categories, releases, timelines, and iterations
3. Demonstrate an understanding of managing project and team members
4. Describe using roles and permissions
5. Describe how to use preconditions and follow up actions
6. Describe how to manage project area process and process templates

Work Items:

1. Describe work item features (types, attributes, links)
2. Describe creating and running queries
3. Describe how to import and export work items
4. Describe how to use reviews and approvals
5. Demonstrate an understanding of configuring work items
6. Explain the differences between RTC clients

Project Planning:

1. Identify RTC agile and traditional planning concepts
2. Demonstrate an understanding of Quick Planner
3. Describe RTC planning and execution
4. Describe usage of project timelines and iterations
5. Describe usage of plan editor features such as views and filters
6. Demonstrate an understanding of monitoring workload and progress

Source Control:

1. Describe the RTC SCM concepts
2. Describe working with repositories and workspaces
3. Describe using streams and components
4. Describe using change sets, change flow, and conflict resolution
5. Describe using snapshots and baselines
6. Explain the differences between RTC clients

Build:

1. Identify the build system architecture
2. Describe using build scripts and definitions
3. Describe using build requests, monitoring status, and results
4. Explain the differences between RTC clients

Reports and Dashboards:

1. Describe working with RTC dashboards (personal, project and team)
2. Describe working with Report Builder to create and modify reports
3. Identify Jazz Reporting Service and Data Collection Component capabilities

RDNG:

**Section 1: Requirements Management best practices, planning, and installation**

1. Define the goals of requirements management
2. Describe requirements management processes and practices
3. State the purpose and describe the contents of a requirements management plan
4. Define the data and relationships to be collected about requirements
5. Explain how to manage requirements within the context of a Collaborative Lifecycle Project.
6. Install on an existing Jazz Team Server (JTS) or separate Jazz Team Servers
7. Set up users
8. Manage licenses

**Section 2: Project administration and configuration**

1. Create a project area and team areas
2. Add team members and assign their process roles
3. Manage permissions
4. Create attributes and attribute data types
5. Create artifact templates
6. Create project templates
7. Define suspicion profiles
8. Extend with scripting

**Section 3: Gather, define, and elaborate requirements**

1. Create and manage folders
2. Import, upload and export artifacts
3. Utilize filters
4. Work with column display and group by settings
5. Organize artifacts with tags
6. Create and use views
7. Create textual artifacts
8. Embed and extract text
9. Update artifact attributes
10. Create terms and glossaries
11. Create modules
12. Create business process diagrams
13. Create use-case diagrams
14. Create user-interface parts and sketches
15. Create storyboards
16. Create collections

**Section 4: Collaborate on requirements**

1. Describe the importance of collaborating on requirements throughout the lifecycle of a project.
2. Manage reviews
3. Add and respond to comments
4. Lock and release locks from an artifact
5. Configure dashboards
6. Utilize views

**Section 5: Capture relationships**

1. Describe the benefits of traceability
2. Describe different types of links and when to use them
3. Create links
4. Display links
5. Navigate links
6. Utilize the link explorer

**Section 6: Analyzing and reporting**

1. Manage suspect links
2. View artifact history
3. Manage baselines
4. Utilize views (public and shared)
5. Customize dashboards
6. View out of the box reports
7. Create custom reports
8. View traceability
9. Work with collections

RQM:

**Section 1: User Interface**

1. Dashboard
2. Organizing artifacts by tagging
3. Categories and catalog customization
4. Searching and filtering

**Section 2: Test Planning**

1. Business objectives and quality objectives
2. Risk-based testing
3. Requirements
4. Project management
5. Review processes, entry criteria, and exit criteria

**Section 3: Test Cases and Test Execution**

1. Manual testing
2. Environment settings
3. Test Suites
4. Test Case Execution Records and Test Suite Execution Records
5. Execution schedules

**Section 4: Reporting**

1. Dashboard widgets
2. Out of the box reports
3. Custom reporting
4. Traceability from requirements to defects

**Section 5: Migration and Integration of Test Artifacts**

1. Migration strategy with XML
2. Migration tools or approaches with TestManager, Rational Manual Tester, and Rational ClearQuest with Test Management features
3. ClearQuest connector use and integration with Rational RequisitePro
4. Microsoft Excel and Microsoft Word utilities

**Section 6: General Questions on Rational Quality Manager and Jazz**

1. Snapshots
2. Out of the box defect capabilities and requirements capabilities
3. Edition differences, licensing, user management
4. Rational Team Concert work item integration
5. Rational DOORS Next Generation requirement integration