

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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IBM RATIONAL TEAM CONCERT [RTC] TRAINING

1: Introduction to IBM Rational Team Concert

- Overview of IBM RTC
 - What is IBM RTC?
 - Key features and benefits
 - RTC architecture
- Installation and setup
 - System requirements
 - Installation steps
 - Initial configuration

2: RTC User Interface

- Exploring the RTC interface
 - Web interface overview
 - Eclipse client interface
- Customizing the dashboard
 - Widgets and tabs
 - Personalizing the dashboard

3: Project Areas and Team Areas

- Understanding project areas
 - Creating and configuring project areas
 - Managing project area settings
- Team areas and roles
 - Creating team areas
 - Assigning roles and permissions

4: Work Item Management

- Work items overview
 - Types of work items (Defects, Tasks, Stories, etc.)
 - Work item attributes and templates
- Creating and managing work items
 - Creating work items
 - Editing and updating work items
 - Work item queries and filters

5: Planning and Tracking

- Iteration planning
 - Creating and managing iterations
 - Assigning work items to iterations
- Release planning
 - Creating release plans
 - Tracking release progress
- Using the RTC plan editor
 - Creating and customizing plans
 - Using the plan editor features

6: Source Control Management

- Source control concepts in RTC
 - Streams, components, and baselines
 - Workspaces and repositories
- Managing source control operations
 - Check-in and deliver changes
 - Accept and merge changes
- Handling conflicts and baselines
 - Conflict resolution
 - Creating and managing baselines

7: Build and Deployment

- RTC build system overview
 - Build definitions and engines
 - Build life cycle
- Creating and managing builds
 - Defining build processes
 - Scheduling and running builds
- Continuous integration

- Setting up continuous integration
- Monitoring build results

8: Reporting and Dashboards

- Generating reports
 - Built-in reports and report templates
 - Custom report creation
- Using dashboards for reporting
 - Adding and configuring widgets
 - Creating custom dashboards
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9: Administration and Maintenance

- User and license management
 - Adding and managing users
 - License allocation and management
- Project area administration
 - Backup and restore processes
 - Performance tuning and optimization

10: Advanced Topics

- RTC extensions and customization
 - Extending RTC with plugins
 - Customizing work item types and attributes
- Integration with other tools
 - Integrating RTC with other IBM Rational tools
 - Integrating RTC with third-party tools

1: Advanced Work Item Management

- Work item customization
 - Creating custom work item types
 - Defining attributes and workflows
- Work item linking and dependencies
 - Managing relationships between work items
 - Dependency tracking and resolution

2: Advanced Source Control Management

- Advanced branching strategies
 - Branching models (stream vs. component)
 - Advanced merging techniques
- Configuration management
 - Baseline and snapshot management
 - Advanced conflict resolution techniques

3: Advanced Build and Deployment

- Build script customization
 - Using Ant scripts or Maven for builds
 - Integrating custom build scripts
- Deployment automation
 - Scripted deployment processes
 - Environment-specific configurations

4: Process Configuration and Methodology

- Process templates customization
 - Modifying process configurations
 - Integrating Agile, Scrum, or Waterfall methodologies
- Advanced planning techniques
 - Portfolio management
 - Resource allocation and capacity planning

5: Reporting and Metrics

- Advanced reporting techniques
 - Custom report development using BIRT
 - Data warehouse integration for advanced analytics
- Metrics and performance monitoring
 - Key performance indicators (KPIs)
 - Monitoring and optimizing team productivity

6: Integrations and Extensions

- Integrating with other IBM tools
 - Rational Quality Manager (RQM), Rational DOORS Next Generation (DNG)
 - Collaborative Lifecycle Management (CLM) integration
- Integrating with third-party tools
 - Version control systems (Git, SVN)
 - CI/CD tools (Jenkins, Bamboo)

7: Advanced Administration and Configuration

- Server administration tasks
 - Performance tuning and optimization
 - Disaster recovery planning
- Security and access control
 - Role-based access control (RBAC)
 - LDAP integration and single sign-on (SSO)

8: RTC Extensions and Customization

- RTC client customization
 - Extending Eclipse client functionality
 - Developing RTC plugins and extensions
- Process automation
 - Scripted automation using Jazz APIs
 - Advanced automation scenarios (e.g., automated testing integration)

9: Advanced Collaboration and Team Management

- Advanced collaboration features
 - Real-time collaboration (chat, notifications)
 - Collaborative reviews and approvals
- Team management strategies
 - Scaling RTC for large teams
 - Distributed team collaboration best practices

10: Case Studies and Best Practices

- Real-world case studies
 - Implementing RTC in large-scale projects
 - Industry-specific use cases and best practices
- Lessons learned and continuous improvement
 - Agile retrospectives
 - Continuous integration and deployment strategies