ClearTrace™ for DOORS Technical Specifications

The following specifications are for version 1.4.192.1 of the ClearTrace™ for DOORS product.

Abstract

Built with both ClearQuest and DOORS users in mind, **ClearTrace™ for DOORS** is commercial software developed by Ring-Zero Software which provides a robust, two-way integration between IBM Rational ClearQuest and Telelogic DOORS. When combined with ClearQuest Multi-Site, ClearTrace provides an effective mechanism to replicate DOORS requirements between development sites, helping customers to manage geographically distributed software development and testing. This integration fully supports ClearQuest Test Manager (often referred to as "CQTM", IBM's new test management solution built on top of ClearQuest 7.0).

Details

ClearTrace is described as a *system* which integrates ClearQuest and DOORS together, rather than as a simple mechanism for creating links between the two, for two reasons: First, ClearTrace provides simple, native access to data from both DOORS and ClearQuest. When local clients for both are present, users can access cross-environment functionality. Second, ClearTrace has been designed to provide scaleable access to "real world" data volumes which may span multiple databases.

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Ready for IBM Rational software is the official offering through which selected Business Partner products are validated for integration with IBM Software Development Platform products. These products have met IBM specifications to help their integration with your in-house Rational software development environment.

Selecting Ready for IBM Rational software marked products aids in the smooth integration of partner "added-value" solutions. This mark identifies Business Partners working with IBM specifications for integration into IBM's open, comprehensive development environment based on Eclipse to help enable delivery of dynamic On Demand Business applications.

Benefits may include the following:

Assurance that the Business Partner solution has been enabled, validated and is integrated to and compatible with the Rational family of products

Increased time to value and Return On Investment

Nondisruptive tools choices for development of business on demand projects

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Access to Data - Simple, Native, Scaleable

Access to DOORS users:
- Visibility of ClearQuest records, completely within the DOORS environment.
- Visibility of ClearQuest records, regardless of DOORS platform - Windows, Unix, Web are supported.
- Visualize, Report, and Analyze links between DOORS requirements and ClearQuest records. Utilizes native DOORS linking mechanism: *object links*. DOORS trace and analysis wizards can be used to understand impact and relationships of defects and change requests linked with requirements.
- Ability to include ClearQuest records in baselines or archives.

Access to ClearQuest users:
- Visibility of DOORS requirements, completely within the ClearQuest environment.
- Visibility of DOORS requirements, regardless of ClearQuest platform - Windows, Eclipse, Web are supported.
- Visibility is scaleable – client-side loading of DOORS modules is eliminated.
- Visualize, Create, Report, and Analyze links between DOORS requirements and ClearQuest records. Utilizes native ClearQuest linking mechanism: *references*.
- Ability to leverage "suspicion" of traces - knowing which ClearQuest records are affected by changes to DOORS requirements.

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Access to Functionality

DOORS user capabilities
- Submit new records to ClearQuest. New records are automatically associated with selected DOORS object(s).
- Associate existing ClearQuest records with selected DOORS object(s).
- View and Modify ClearQuest records.
- Perform workflow actions on ClearQuest.
Interaction with ClearQuest leverages native ClearQuest user interface and forms. Using native forms means that any customizations your organization has made to ClearQuest forms, permissions, or other behavior will function properly.

ClearQuest user capabilities
- Navigate directly to DOORS requirements.
- Navigate directly to DOORS modules.
- View DOORS requirements (including all attributes, embedded OLE content, links, and history) from ClearTrace server cache.

General Information

Supports "real world" large datasets in either or both environments.
Supports ClearQuest 2003.06 through current 7.0
Supports ClearQuest customized "corporate" schemas and Rational standard schemas.
Supports DOORS 7.0 or newer.
Supports multiple ClearQuest and DOORS database connections.
Easy installation and minimal administrative overhead.
FlexLM licensing, with site licensing also available. Licensing is flexible, measurable, and affordable.

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Server Components

- ASP.NET / IIS-based XML Web Services
- Administrator application
  - Configuration via simple wizard interfaces
  - Access to logs
- Command-line based dataset synchronizer
  - Supports manual and automated automation via external scheduler, e.g. Windows Scheduled Tasks
- ClearQuest schema "package"
  - Supports customized or standard ClearQuest database schemas
  - Supports custom workflow

ClearQuest client add-on

- Communicates with XML Web Services
- Supports Windows and Eclipse-based clients
- Provides DOORS navigation requests
- Provides viewing of complete DOORS requirements from cache on web service

DOORS client add-on

- Communicates with XML Web Services
- Provides native ClearQuest interaction (submit, associate, view, edit)

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Server Requirements

RECOMMENDED: Multi-Core or Multi-Processor Computer, 2GB+ System Memory

Microsoft Windows	IBM Rational ClearQuest	Telelogic DOORS
Windows 2000 Server SP4 or later Windows 2003 Server Windows XP SP1	ClearQuest 2003.06.xx ClearQuest 7.0	DOORS 7.0 or newer
Microsoft Internet Information Server 5.0	ClearQuest group for ClearTrace account	DOORS user account that is exclusive to ClearTrace.
Microsoft .NET Framework 2.0 or later	ClearQuest user account for ClearTrace	

DOORS Add-On Requirements

Microsoft Windows	IBM Rational ClearQuest*	Telelogic DOORS
Windows 2000 SP4 or later Windows XP, SP1 or SP2 Windows Server 2003	ClearQuest 2003.06 or ClearQuest 7.0 Windows client	DOORS 7.0 or newer
Microsoft .NET Framework 2.0 or later	*(necessary for interaction with ClearQuest records, otherwise not required)	

ClearQuest Add-On Requirements

Microsoft Windows	IBM Rational ClearQuest	Telelogic DOORS*
Windows 2000 SP4 or later Windows XP, SP1 or SP2	ClearQuest 2003.06.xx ClearQuest 7.0 Windows client – full functionality	DOORS 7.0 or newer; DOORS 8.1 necessary for ClearQuest Addon navigation to DOORS requirements and modules.
Microsoft .NET Framework 2.0 or later	ClearQuest Web – view and link management functionality only	
	ClearQuest Eclipse Client on Windows – full functionality	

Product Information

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