

CA Repository for Distributed Systems r2.3

CA REPOSITORY FOR DISTRIBUTED SYSTEMS IS A POWERFUL METADATA MANAGEMENT TOOL THAT HELPS ORGANIZATIONS TO IDENTIFY, UNDERSTAND, MANAGE AND LEVERAGE ENTERPRISE-WIDE INFORMATION ASSETS. BASED ON AN OPEN, NONPROPRIETARY AND EXTENSIBLE ARCHITECTURE, CA REPOSITORY FOR DISTRIBUTED SYSTEMS SUPPORTS BUSINESS AND TECHNICAL METADATA FOR A WIDE RANGE OF INFORMATION SOURCES ACROSS THE ENTERPRISE.

Overview

As vast amount of corporate data accumulate and systems become increasingly complex, organizations must be able to identify and understand information assets and their relationships. Failure to manage this enterprise metadata can severely impact your business operations. CA Repository for Distributed Systems enables a common, shared view of critical data through an advanced Web user interface that helps ensure business-friendly access to vital information asset descriptions and their interrelationships.

Benefits

Making informed business decisions and complying with government and industry regulations requires an accurate view of information assets across the enterprise. Managing this information in a metadata repository provides value at various stages of an application's lifecycle in the following ways: streamlines development efforts, provides increased access to information, improves the consistency and quality of information assets, and significantly reduces maintenance and support time.

The CA Advantage

CA Repository for Distributed Systems provides an open and extensible enterprise-wide metamodel to track hundreds of information asset objects, including: data structures and elements, transformation and business rules, programs and definitions, and much more. This management tool presents information in a manner that both business and technical (employees or users?) can understand, thus making it part of CA's larger vision, Enterprise IT Management (EITM) which is to help you unify and simplify IT management across your enterprise.

CA Repository for Distributed Systems Reduces Complexity and Improves IT Efficiency

The challenge to manage increasingly complex IT infrastructures is a daunting task for many organizations. The need to provide a way to manage corporate metadata from a customizable, centralized location has become not only critical, but mandatory. A metadata repository is an effective, proven way to address these challenges.

Key Capabilities

CA Repository for Distributed Systems enables a common, shared view of metadata through an advanced Web user interface that helps ensure business-friendly access to vital information asset descriptions and their interrelationships.

Business information such as business rules, element definitions, glossary terms, acronyms, documents and data stewardship can be managed in the repository.

Information can be linked to technical implementations (data, programs, transformations, etc.) to provide a better understanding of the business purpose and requirements behind IT development.

This management tool enables consistent business rules and taxonomy across your enterprise, and promotes effective communication between business and technical workers.

CA Repository for Distributed Systems provides value at various stages of design, development, deployment and management, offering the following benefits:

INCREASED ACCESS TO INFORMATION By providing users with a Web-based directory of information, CA Repository for Distributed Systems helps users understand the location and meaning of existing information from a wide variety of sources, including legacy applications, relational databases, application development tools and languages, ERP systems, and others.

- **Improved Quality** CA Repository for Distributed Systems provides common, consistent and easily accessible definitions of information assets. Sharing this information across the enterprise promotes reuse and consistency.
- **Streamlined Application Development** A single source for logical, physical and business process components is established; CA Repository for Distributed Systems helps identify redundant processes, data and applications to reduce duplicated efforts throughout all phases of the application development lifecycle.
- **Reduced Maintenance and Support Time** Developers are easily enabled to identify the impact of changes in an application or data structure. This significantly reduces the time spent in the analysis phase of a project, allowing more time to be devoted to development.
- **Information Stewardship** The person responsible for information quality is easily identified as well as the technical derivation of information, thereby facilitating IT audits.

Technical Features

- **Enterprise Wide Metamodel** CA Repository for Distributed Systems tracks hundreds of information asset objects, including data structures, transformation and business rules, programs, models documents, data elements and stewardship; administrators can easily extend the repository to track new or customize existing objects.
- **Extensibility** Organizations can customize the repository metamodel to suit their needs. User customizations are incorporated into the base product and documentation, and are maintained upon product upgrades. User interfaces can also be customized and maintained using graphical administration tools.
- **Open Architecture** An organization can install CA Repository for Distributed Systems on the DBMS that matches its existing database environment and DBA skills (Oracle, Microsoft SQL Server and Sybase). This enables reporting and access to the repository contents using standard SQL-based tools. API access is also provided.
- **Versioning and Lifecycle Phases** CA Repository for Distributed Systems contains a wide array of metadata management functions including versioning, lifecycle phases, security, reuse logic, user profile management and others.
- **Intuitive Reporting** Metadata assets are published in a logical, business-oriented format via the Web, enabling both business and technical resources to make better decisions.
- **Global Impact Analysis** CA Repository for Distributed Systems enables developers to proactively assess the impact of change through a single, global view of systems and applications through the Web-based Data Shopper Option.

What's New in r2.3

- **Universal XML Exchange** Will add the support for metadata that is in an XML format file. This enhances the extensibility of the CA Repository for Distributed Systems for any XML-formatted metadata.
- **New and Updated Models** A new software model and a new Web services model will be added. The ability to load metadata from a Web service definition or a Visual Studio 2005 C++ project file into the repository for SOA support will be present. These new models can be used in conjunction with the new Universal XML Exchange. Additionally, an updated repository model will enable metadata in OO languages such as Java, C# and C++ to be better described.
- **Oracle 11g Support** Hosting the database on Oracle 11g will be supported. The native drivers that come with Oracle 11g will be certified as the only ODBC driver to support the repository on an Oracle 11g repository.
- **Database Hosting and Operating System Certification**
 - The Repository for Distributed Systems r2.3 will run on a 64-bit Microsoft Windows Server 2003, XP or Vista operating system in compatibility mode. The repository will run as a 32-bit application on a 64-bit operating system.
 - The Repository data store is certified to run on the following database platforms: Oracle 10g and 11g, Microsoft SQL Server 2005 and Sybase 12.5.4.

FIGURE A

The Universal XML Exchange provides an integrated, easy to use interface that enables metadata in XML format to be scanned into the repository.

UNIVERSAL XML EXCHANGE

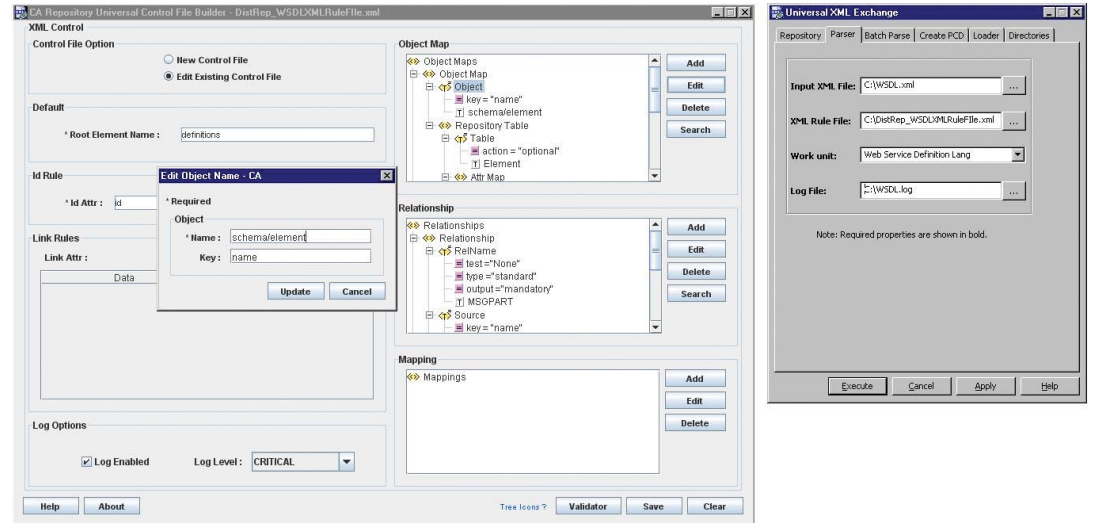
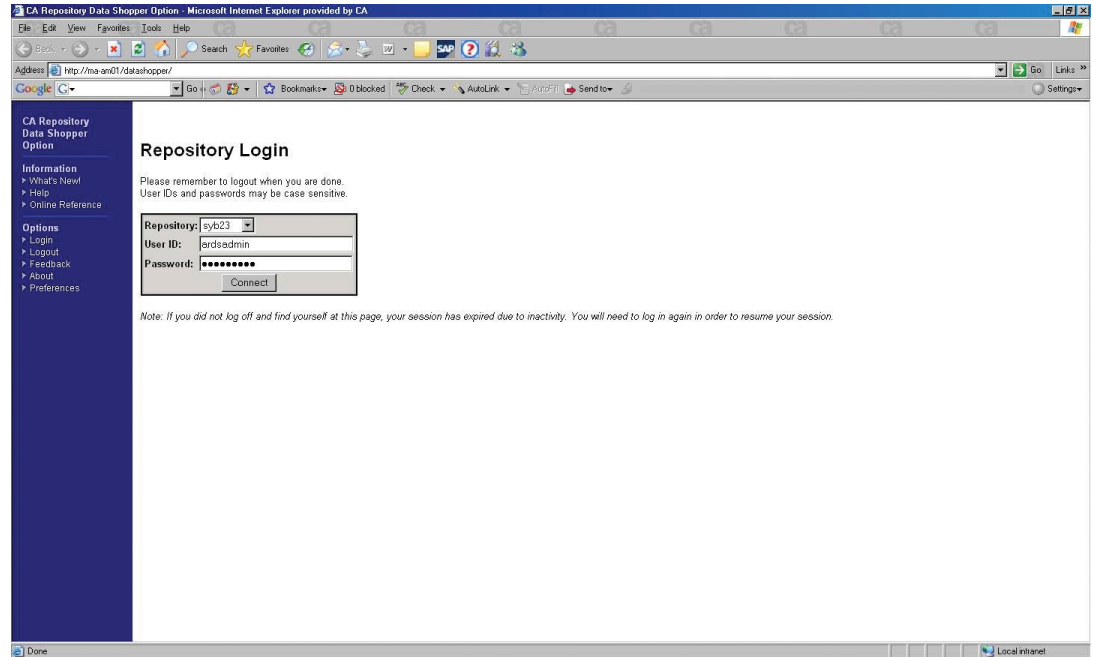


FIGURE B

The Data Shopper Option enables global impact analysis and the ability to view information assets through a Web-based user interface.

WEB-BASED USER INTERFACE



CA Repository for Distributed Systems Provides You With the Ability to Share and Manage Information Assets.

CA Repository for Distributed Systems provides key benefits, enabling your organization to effectively bridge the gap between business operations and IT. By helping to increase information access, improve data quality and consistency, help streamline application development projects and reducing maintenance and support time, the business goals of increasing profits and improving customer service can be more easily addressed.

The CA Advantage

CA solutions for metadata management are optimal parts of CA's vision to provide a higher level of management control known as Enterprise IT Management (EITM). EITM is a dynamic, secure approach that integrates and automates the management of information technology applications, databases, networks, security, storage and systems across departments and disciplines to maximize the full potential of each. CA's comprehensive portfolio of modular IT management solutions helps the enterprise unify, simplify and secure IT to better manage risk, costs and service, and ensure that IT meets the business needs of the enterprise.

Next Steps

As a powerful metadata management tool that helps organizations to identify, understand, manage and leverage enterprise-wide information assets. CA Repository for Distributed Systems can help your enterprise more effectively manage IT information assets.

To learn more, and see how CA software solutions enable other organizations to unify and simplify IT management for better business results, visit ca.com/customers.