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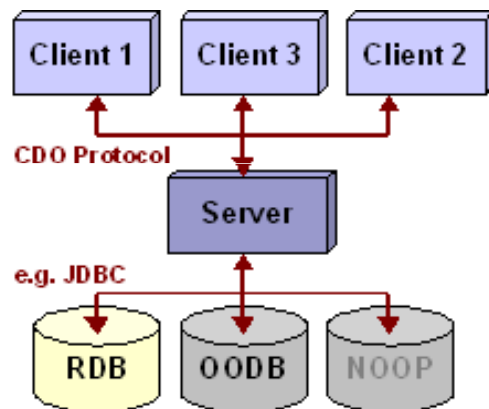


CDO Model Repository

2.0 Release Review

Planned Review Date: June 10th, 2009
Project Newsgroup: eclipse.tools.emf

Introduction




The CDO (Connected Data Objects) Model Repository is a distributed shared model framework for EMF models and meta models. CDO is also a model runtime environment with a focus on orthogonal aspects like model scalability, transactionality, persistence, distribution, queries and more.

CDO has a 3-tier architecture supporting EMF-based client applications, featuring a central model repository server and leveraging different types of pluggable data storage back-ends like relational databases, object databases and file systems. The default client/server communication protocol is implemented with the Net4j Signalling Platform.

Project URL: <http://www.eclipse.org/cdo>
old: <http://wiki.eclipse.org/CDO>

Major New Features in 2.0

- § **Distributed transactions (XA)**
- § **Save points in transactions**
- § **Change subscription policies**
- § **Query framework**
- § **External references and containment proxies**
- § **Support for arrays, feature maps and default values**
- § **Memory sensitive and fixed size caching**
- § **Nestable resource folders in the repository**
- § **Resources and folders can be moved and deleted**
- § **EPackages on the repository server**



New features:
129 total

Major New Features in 2.0 (cont'd)

- § **Partial collection loading and adaptive prefetching**
- § **Progress monitoring for commit operations**
- § **Configurable passive updates and session re-synchronization**
- § **Import and export of resources**
- § **Optional explicit locking**
- § **Pluggable authentication**
- § **Server-side hooks for read and write access**
- § **Improved protocol timeout handling**
- § **Integrations with EFS, Team, CNF and GMF**

Other Release Highlights

§ **Quality of APIs**

- § 2.0 API is partly incompatible with 1.0
- § API Toling has been used consequently

§ **End of Life**

- § None

§ **IP**

- § IP Log URL: <http://www.eclipse.org/modeling/emf/cdo/project-info/eclipse-project-ip-log.csv>
- § No issues

§ **Committer Diversity**

- § 7 committers from 7 different companies
- § Several additions to the team are pending

Project Activity Since 1.0

§ **Bugzilla**

- § 127 of 254 enhancements done (106 left open)

- § 121 of 173 bugs fixed (16 left open)

§ **CVS**

- § 44187 changed lines of code committed (incl. Net4j)

§ **Communication**

- § More than 2000 newsgroup posts

- § Talks at EclipseCon, ESE, JAX, several demo camps

- § Webinar and several magazine articles

Schedule

§ **Galileo**

- § All release train schedules were met
- § Weekly integration builds on modeling update site

§ **Ganymede**

- § 9 maintenance builds were delivered
- § Including SR1 and SR2

§ **Plan URL**

- § <http://www.eclipse.org/projects/project-plan.php?planurl=http://www.eclipse.org/modeling/emf/cdo/project-info/plan.xml&component=CDO+Model+Repository>