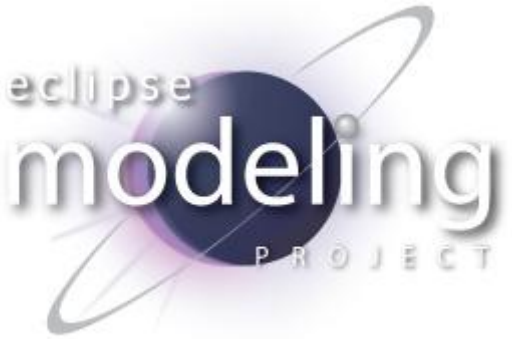

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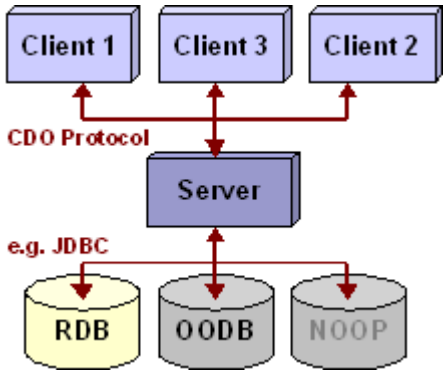
CDO Model Repository

4.1 Release Review

Introduction

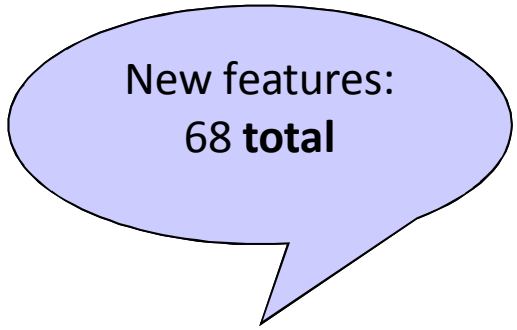


The CDO (Connected Data Objects) Model Repository is a distributed shared model framework for EMF models and meta models. CDO is also a model runtime environment with a focus on orthogonal aspects like model scalability, transactionality, persistence, distribution, queries and more.

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
Wiki: http://wiki.eclipse.org/CDO

Major New Features in 4.1



- **Balanced tree utilities**
- **Client-side assigned IDs**
- **Write option locks**
- **Durable locks in offline modes**
- **Recursive locking**
- **Lock change notifications**
- **Permission manager and security model**
- **Remote administration API and protocol**
- **Platform-specific CDOServer downloads**
- **Platform-specific CDOExplorer downloads**

Other Release Highlights

- **Net4j is now a component of CDO**
- **Quality of APIs**
  - 4.1 API is compatible with 4.0
  - API Tooling has been used consequently
- **IP**
  - IP Log URL: http://www.eclipse.org/projects/ip_log.php?projectid=modeling.emf.cdo
- **Committer Diversity**
  - 10 committers from 9 different companies (+/- 0)

Project Activity Since 4.0

- **Bugzilla**
  - 68 of 244 enhancements done (176 left open)
  - 89 of 254 bugs fixed (165 left open)
- **Source repository**
  - Succesful migration from SVN to Git
- **Communication**
  - 1679 newsgroup posts over last year
  - Talks at EclipseCon, ESE, JAX, several demo camps

Schedule

- **Indigo**
  - All release train schedules were met
  - Continuous integration builds on Hudson
- **Plan URL**
  - http://www.eclipse.org/projects/project-plan.php?projectid=modeling.emf.cdo