

Eike Stepper

stepper@esc-net.de
<http://www.esc-net.de>
<http://thegordian.blogspot.com>

Berlin, Germany

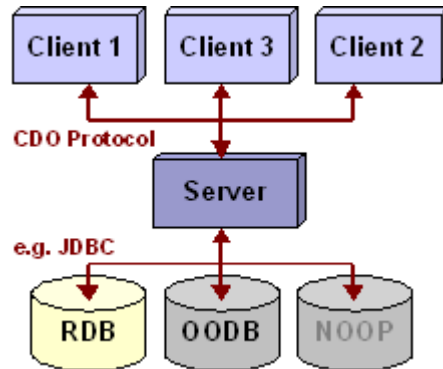


CDO Model Repository

3.0 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.

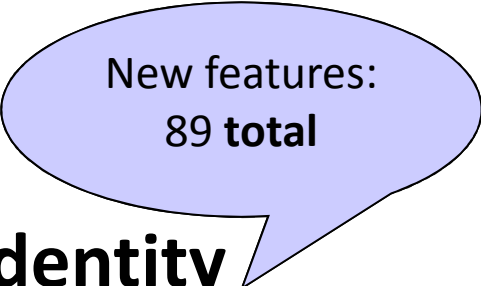
CDO has a 3-tier architecture supporting EMF-based client applications, featuring a central model repository server and leveraging different types of pluggable data storage back-ends like relational databases, object databases and file systems. The default client/server communication protocol is implemented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

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

old: <http://wiki.eclipse.org/CDO>

Major New Features in 3.0

- **Branching and merging is now supported**
- **Offline clones are now supported**
- **Legacy models are now supported**
- **Reattached objects now keep their identity**
- **Push transactions have been introduced**
- **Successful commits can now be queried**
- **New call-back hook after object state changes**
- **External references are now supported**
- **Feature maps are now supported**
- **SQL is now supported as a query language**



New features:
89 total

Major New Features in 3.0 (cont'd)

- **Dawn: A generative GMF integration**
- **New backend integration with Objectivity**
- **Team Provider integration**
- **Common Navigator integration**

Other Release Highlights

- **Quality of APIs**
 - 3.0 API is partly incompatible with 2.0
 - API Toling has been used consequently
- **End of Life**
 - None
- **IP**
 - IP Log URL:
http://www.eclipse.org/projects/ip_log.php?projectid=modeling.emf.cdo
 - No issues
- **Committer Diversity**
 - 9 committers from 9 different companies (+2)
 - Several additions to the team are pending

Project Activity Since 2.0

- **Bugzilla**
 - 89 of 148 enhancements done (59 left open)
 - 106 of 141 bugs fixed (35 left open)
- **CVS**
 - 15958 commits
- **Communication**
 - 1334 newsgroup posts over last year
 - Talks at EclipseCon, ESE, JAX, several demo camps
 - Webinar and several magazine articles

Schedule

- **Helios**

- All release train schedules were met
- Continuous integration builds on Hudson

- **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>
y