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](http://www.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
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
  - 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