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](http://www.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

New features: 68 total
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**
- **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**
  - Successful 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**