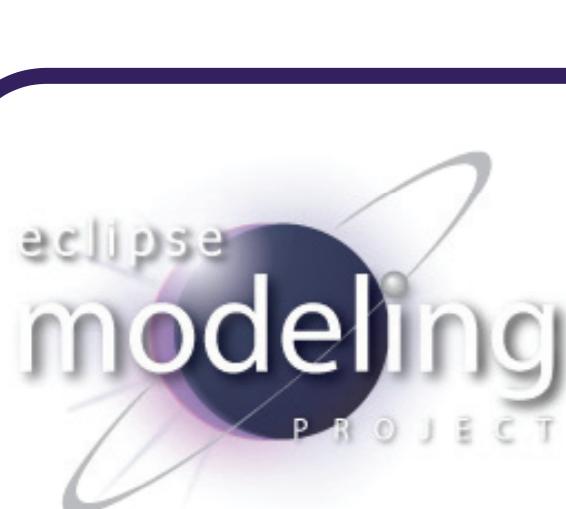
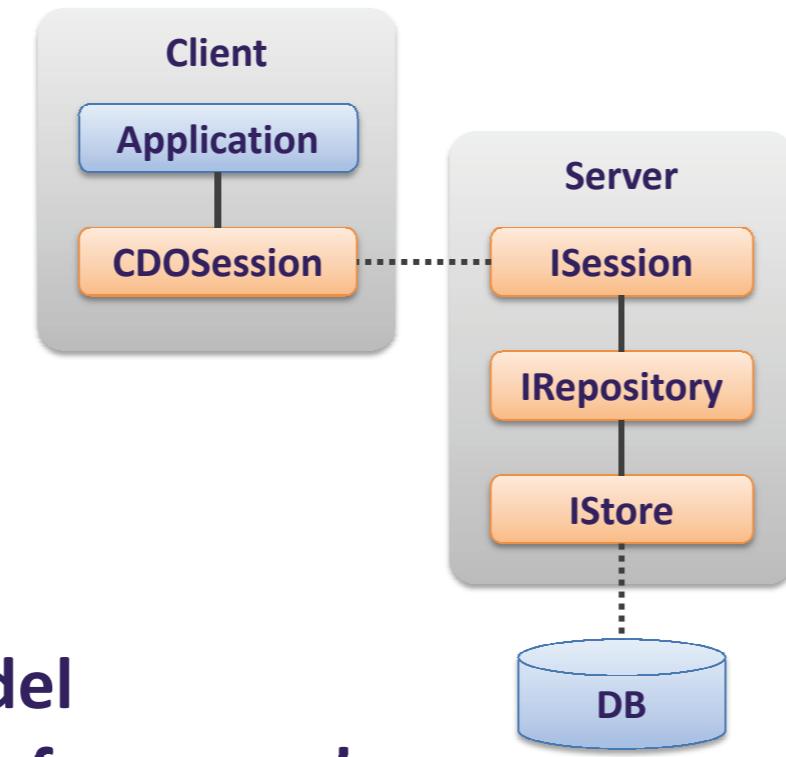


# CDO

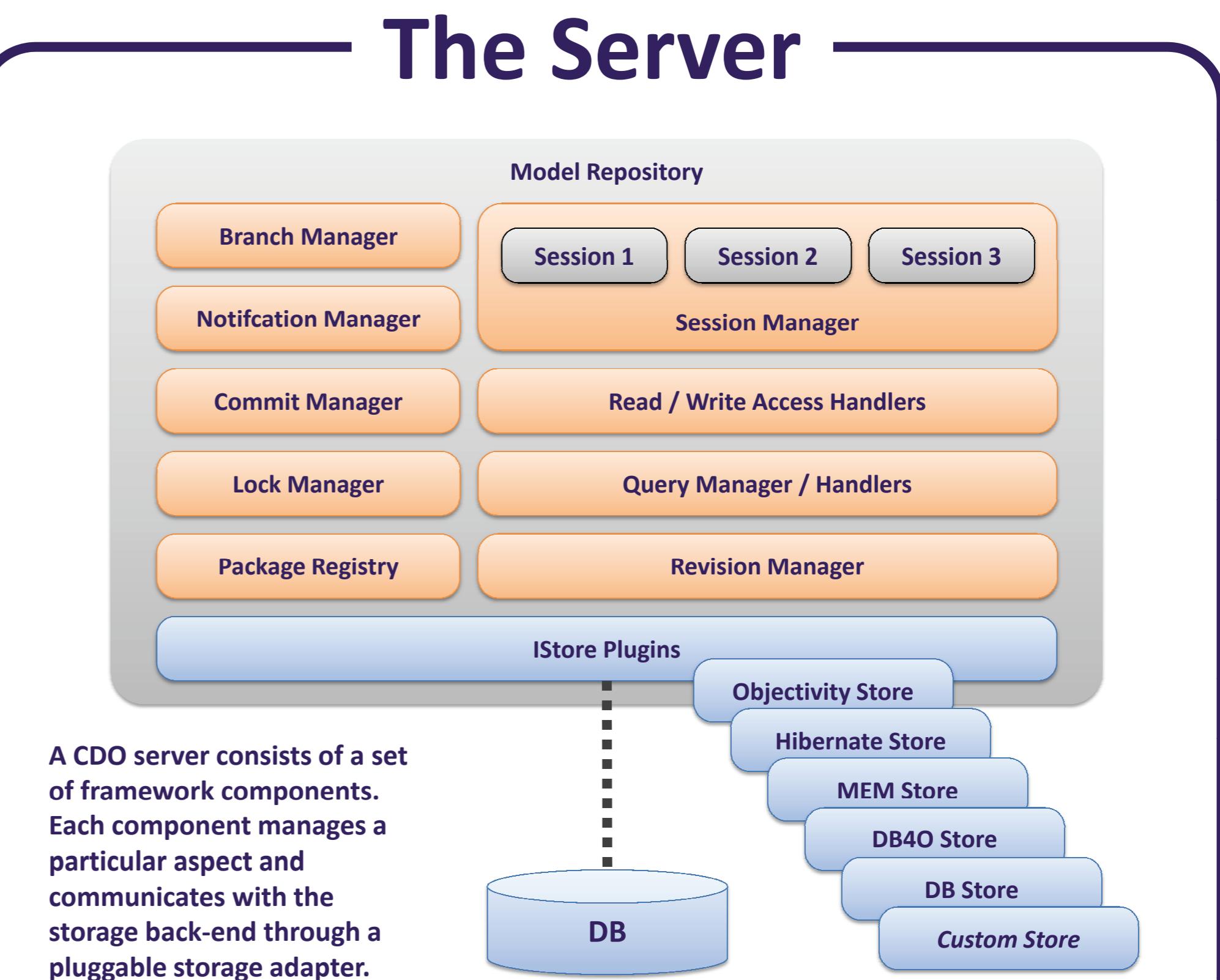
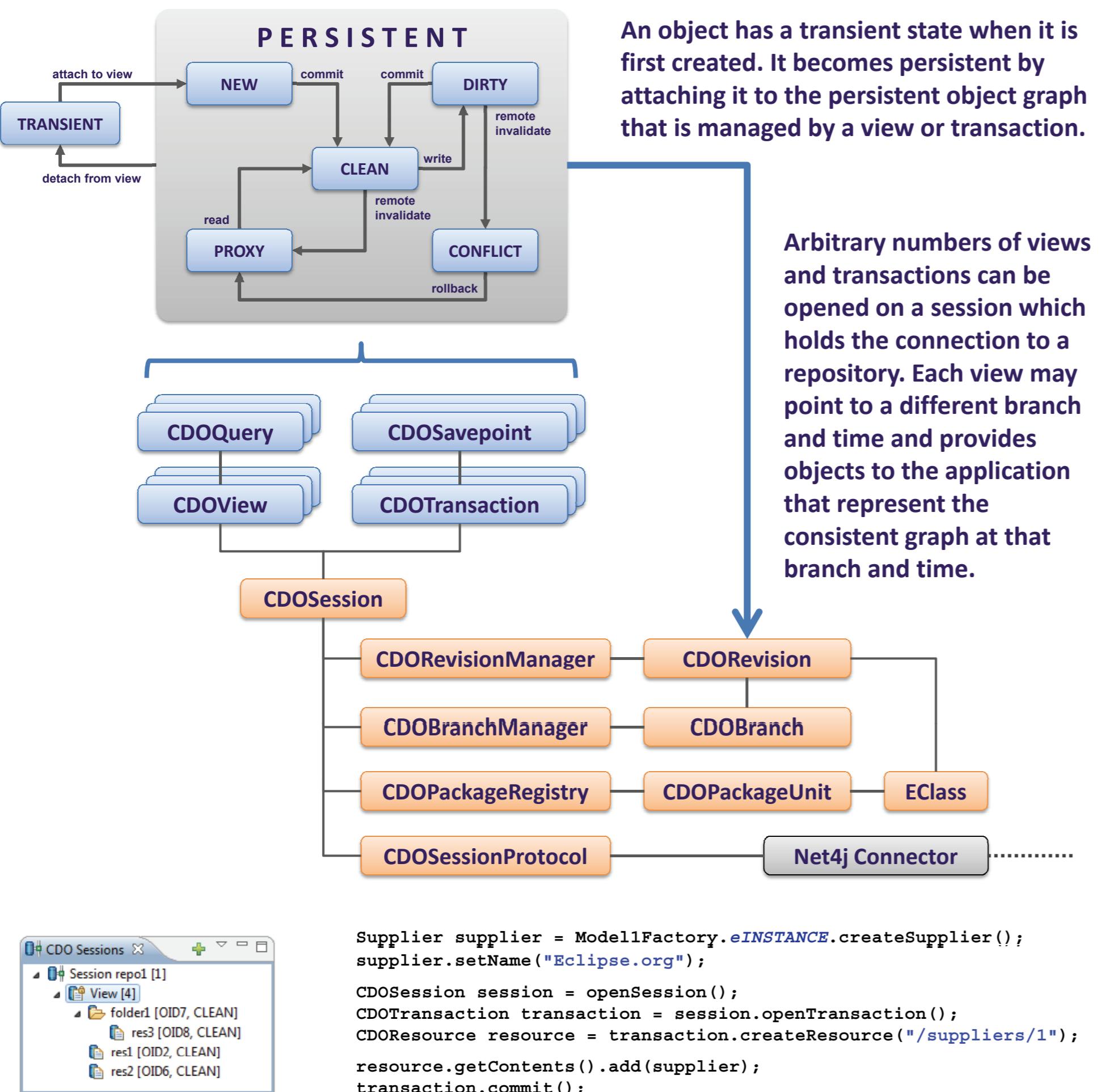
## The Model Repository

CDO is both a development-time model repository and a run-time persistence framework. Being highly optimized it supports object graphs of arbitrary size. The storage back-end is pluggable and CDO offers transactions with save points, explicit locking, change notification, queries, temporality, branching, merging, offline and fail-over modes, ...

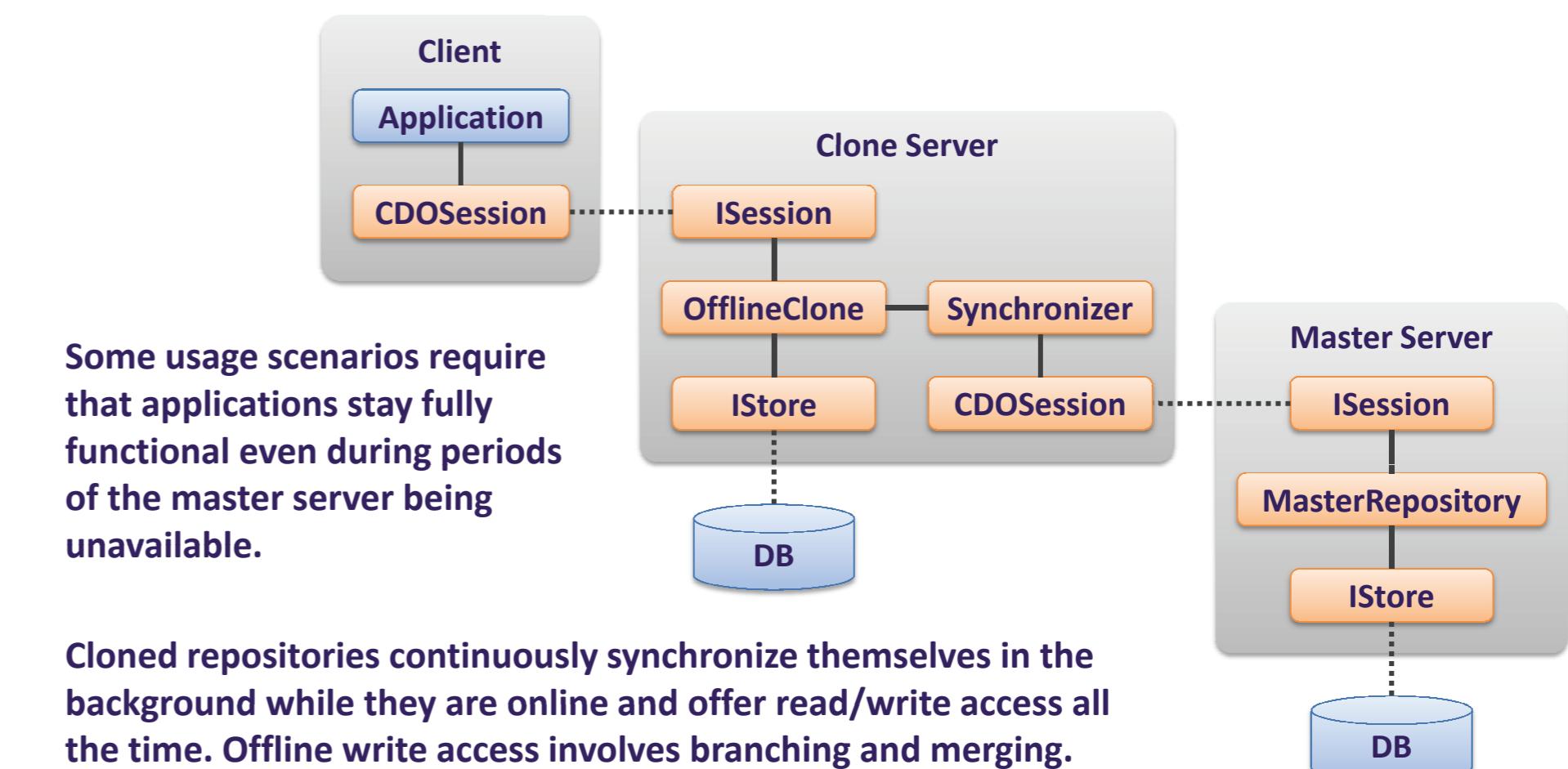


## The Client

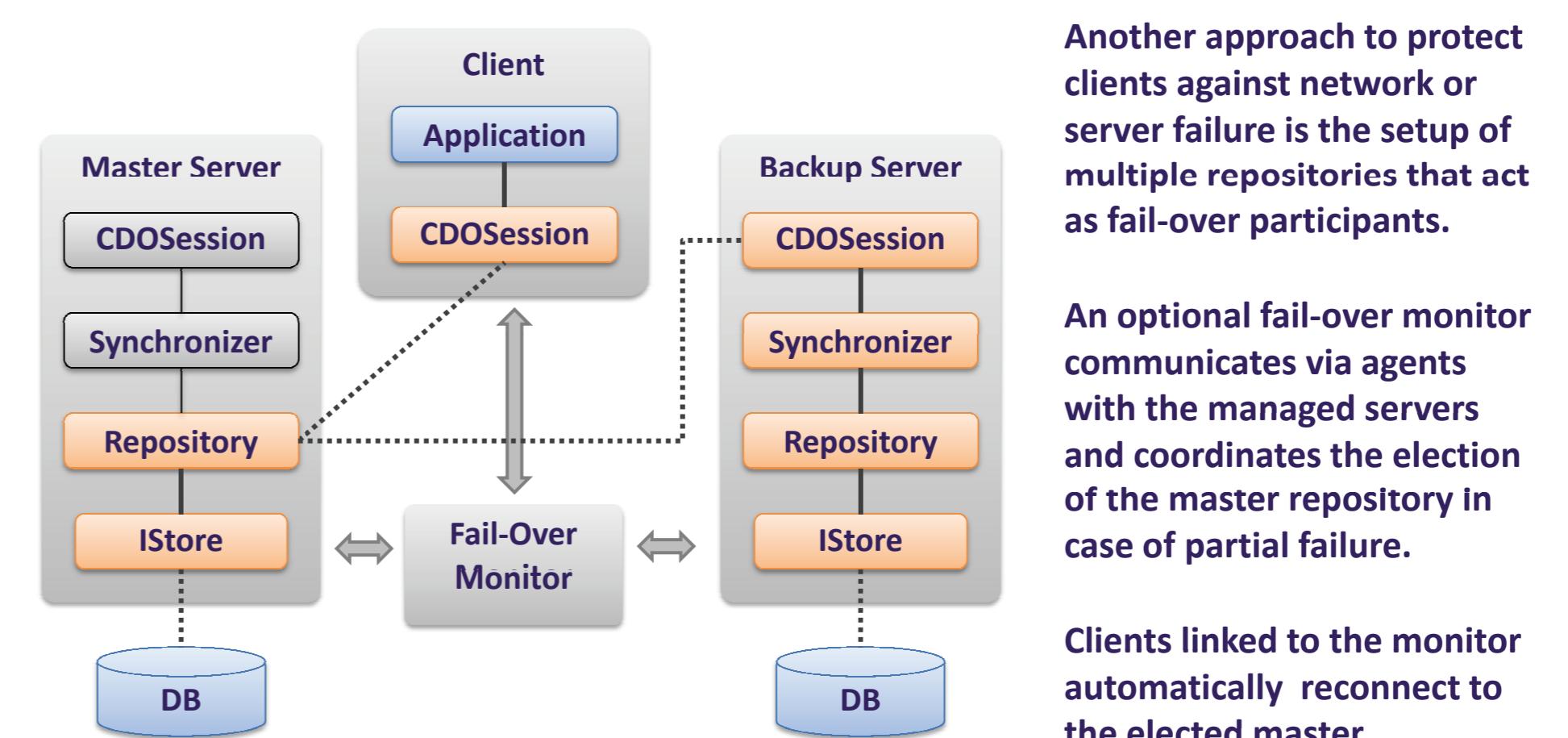
CDO is designed to work with the Eclipse Modeling Framework (EMF) and Ecore, a free Java™ implementation of the EMOF™ specification of the OMG.



## Offline Clone

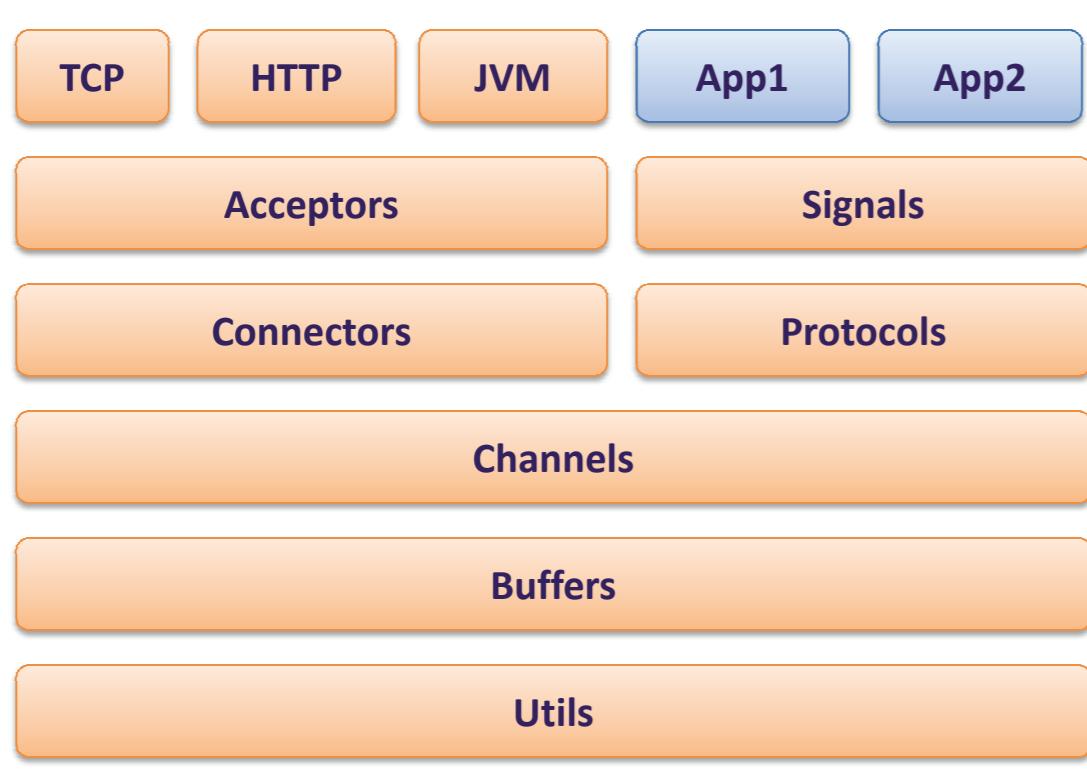


## Fail-Over



## Net4j

The Signalling Platform



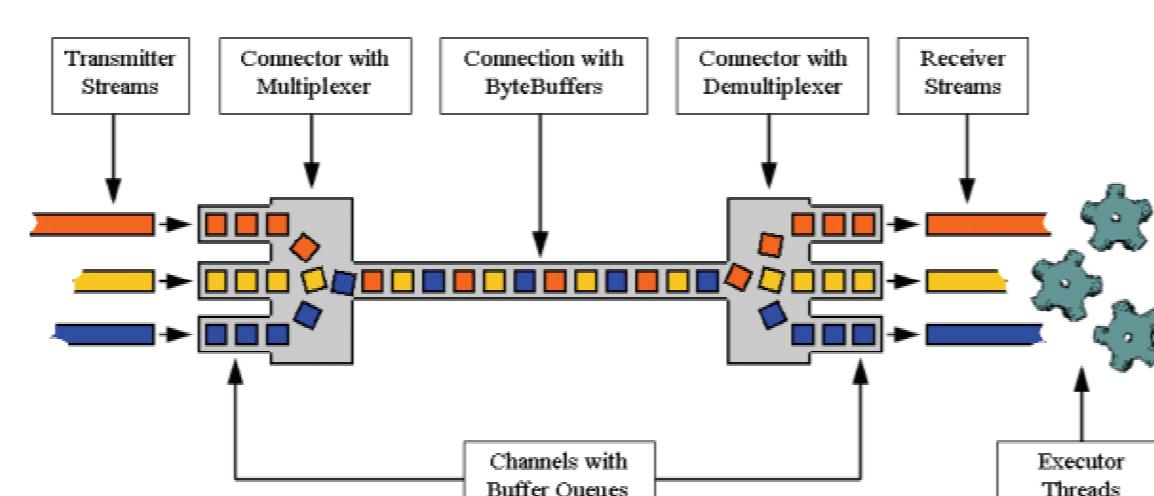
**High Performance:**  
java.nio.DirectByteBuffer, zero copying

**Good Scalability:**  
java.nio.channels.Selector, single I/O thread possible

**Multiple Transports:**  
Shipped with TCP, JVM and HTTP

**Pluggable Protocols:**  
Independent of chosen transport

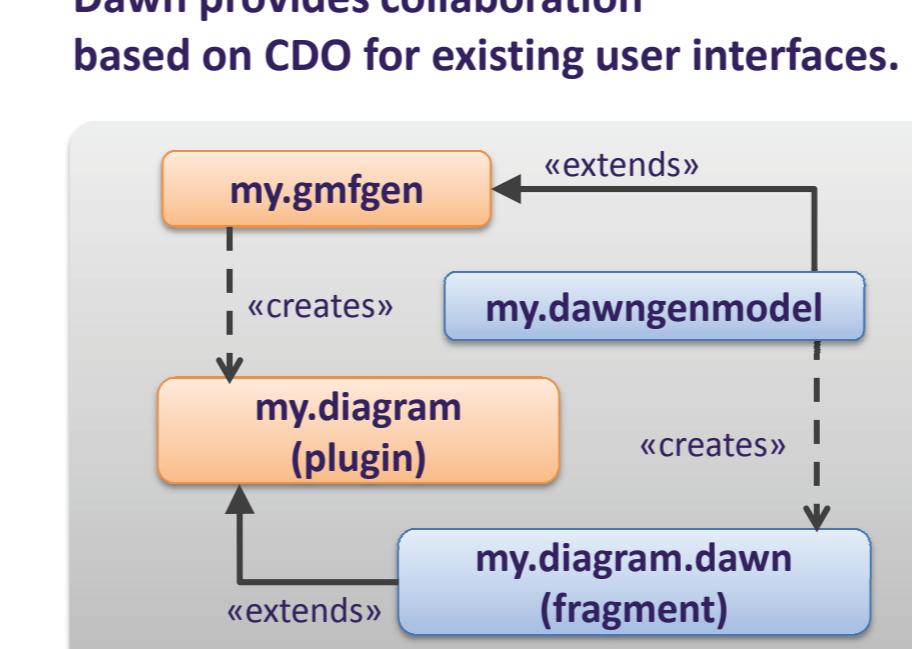
**Server-initiated Push:**  
Asynchronous and synchronous requests from the server to agents



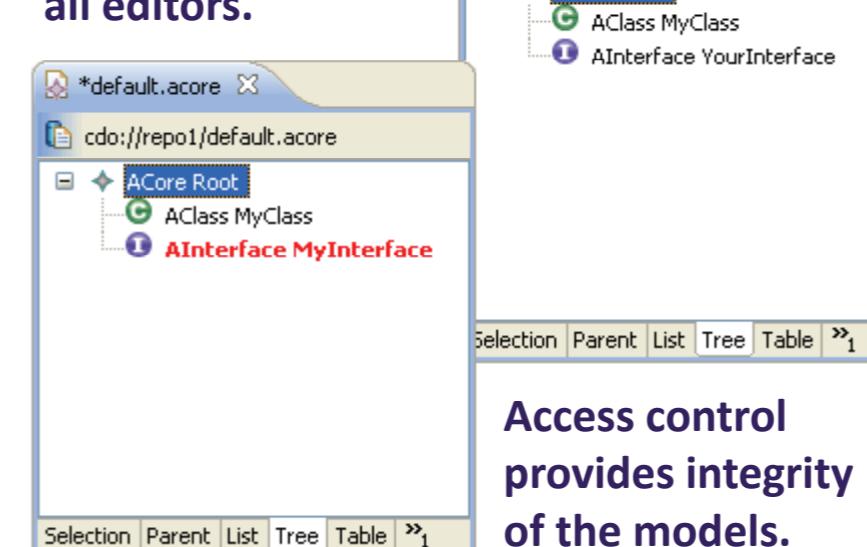
**Deployment Modes:**  
Eclipse UI, pure OSGi, application servers or stand-alone

## Dawn

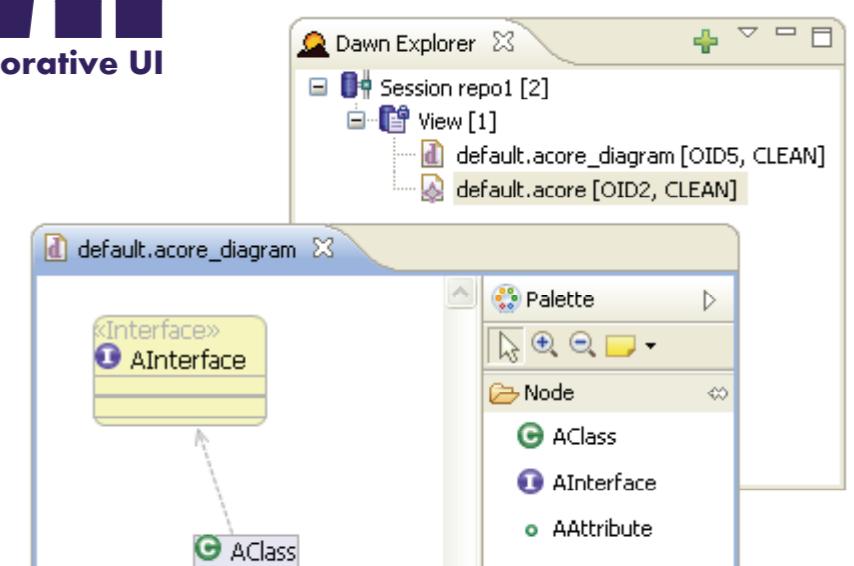
The Rise of the collaborative UI



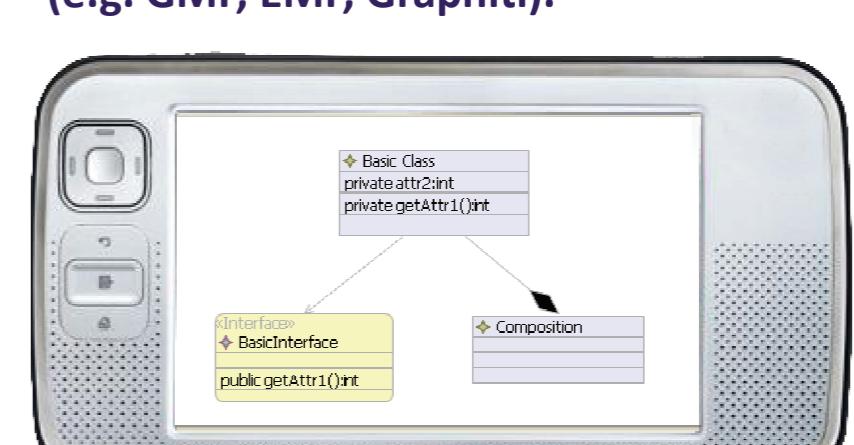
Conflict detection and handling on all editors.



Access control provides integrity of the models.



Generated extensions (fragments) for different kinds of EMF based editors (e.g. GMF, EMF, Graphiti).



Web-based solution for mobile devices and clients without installed Java environment.



CDO is an open source project hosted at [Eclipse.org](http://www.eclipse.org/cdo)

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<http://www.eclipse.org/cdo>  
<mailto:stepper@esc-net.de>