java

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[Edit]

Build true client server applications in no time

List of speakers and authors

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Previous speaking experience

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Eike Stepper:
- EclipseCon, Santa Clara:
  * 2008:
    * Connected Data Objects - The EMF Model Repository
      (http://www.eclipsecon.org/2008/index.php?page=sub/&id=58)
    * Mega Modeling Mania
      (http://www.eclipsecon.org/2008/index.php?page=sub/&id=564)
    * Developing Pluggable Client/Server Applications with Net4j
      (http://www.eclipsecon.org/2008/index.php?page=sub/&id=212)
  * 2009:
    * Scale, Share and Store your Models with CDO 2.0
      (http://www.eclipsecon.org/2009/sessions?id=396)
- Eclipse Summit, Ludwigsburg:
  * 2008:
    * CDO Model Repository - An Update
      (http://www.eclipsecon.org/summiteurope2008/sessions?id=166)

André Dietisheim:
- annual customer event in Bern, 'Puzzle Tech-Talk':
  * 2007: Eclipse RAP
  * 2008: Eclipse EMF and CDO
- Berner Fachhochschule, 3-tägiger Kurs
  * 2008: 'Einführung in die Rich-Client Entwicklung auf Basis von Eclipse
RCP'
    (http://www.sws.bfh.ch/studium/wbk/eclipsercp.xhtml)
  * 2009: to be confirmed
```

URL of previous talks

Topic(s)

Enterprise Application Technology Stacks

- Object-relational mapping
- Web services
- Eclipse RCP

Short abstract summary

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Build true client server applications in no time. Use the Eclipse Modeling
Framework (EMF) and the CDO Model Repository!
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Abstract

Do you want to build a 3-tier application? Do you need a Eclipse RCP frontend or a Web based UI? The Eclipse Modeling Framework (EMF) and the CDO Model Repository deliver a great foundation to build your custom solutions on!

EMF

EMF is a Java framework and code generation facility. It allows you to build tools and other applications based on a structured model. For those of you who have bought into the idea of object oriented modeling, EMF helps to rapidly turn your models into efficient, correct, and easily customizable Java code. For those of you who are not necessarily sold on the value of formal models, EMF is intended to provide you with the same benefits and a very low cost of entry. In EMF generated and handwritten code go hand in hand. Handwritten code is merged with the generated one.

In addition to simply increasing your productivity, building your application using EMF provides several other benefits: EMF gives you model change notification, persistence support including default XMI and schema-based XML serialization, model validation, a very efficient reflective API for manipulating EMF objects generically and more.
 The EMF ecosystem hosts a whole lot of frameworks that solve many tasks that are common to application development and runtime operation.

CDO

CDO (Connected Data Objects) is a framework that brings server based persistency and distributed model instances to EMF based applications. Any EMF based application may benefit of these features just by regenerating its model classes. No change to application specific parts are necessary. CDO allows you to develop your application against standard EMF APIs and decide later if you want to persist your models in any SQL database, possibly through Hibernate, in an object oriented database, in memory or what ever you can imagine. Without any changes to your application your models become really scalable on both client side and server side. Furthermore CDO connects model instances in a transparent manner and delivers change notifications among distributed models.

Demo

This talk will demonstrate the solution with a short life demo.