

EMFStore

An EMF Model Repository

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What does it do?



Model
Change



Commit



Update



Existing Solutions

- File-based SCM and EMF Compare:
 - Available implementations: SVN, CVS, GIT
 - Essentially file-based: frequent conflicts
 - Difficult diff and merge for bigger models
 - Limited support for change aggregates
- CDO
 - No offline-mode
 - No support for merging
 - (Too fast)
- JCR
 - No offline-mode
 - No native EMF support
- OOSE
 - No offline-mode
 - No EMF support



Core Features

- Model Persistency
- Access Control
- Distributed and Offline Operation
- Versioning
- Differing and Change Visualization Support
- Fine-grained Conflict Detection
- Support for Change Aggregates



How does it work?

Model
Change



Commit

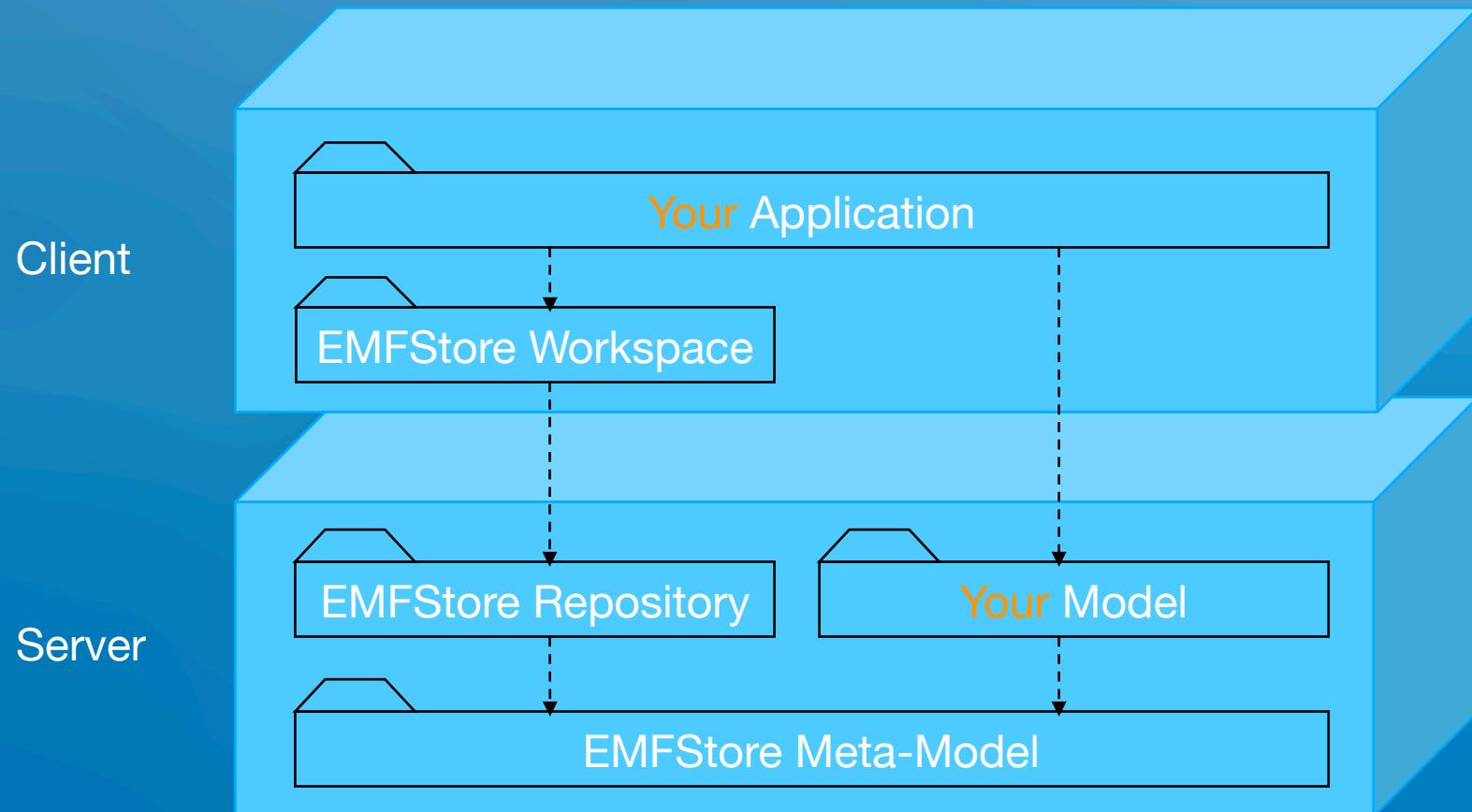


Update

```
projectSpace.setThis(that);  
modelElement.setThat(this);  
modelElement.getThese().add(those);
```

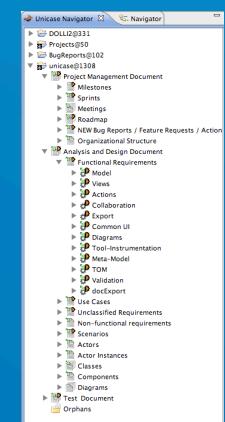
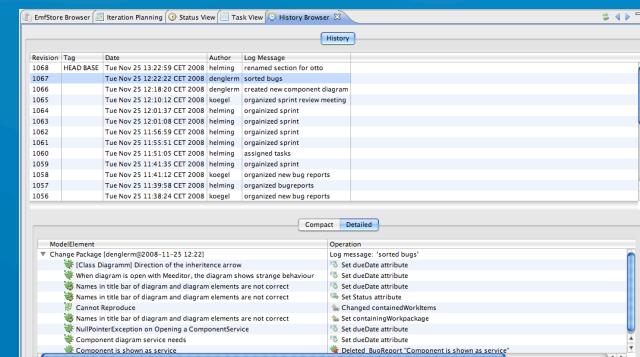
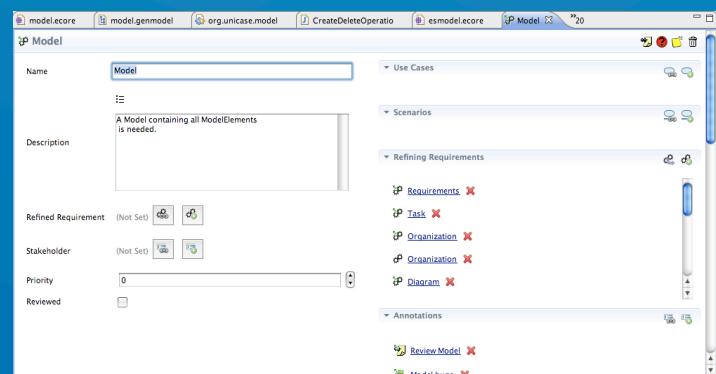
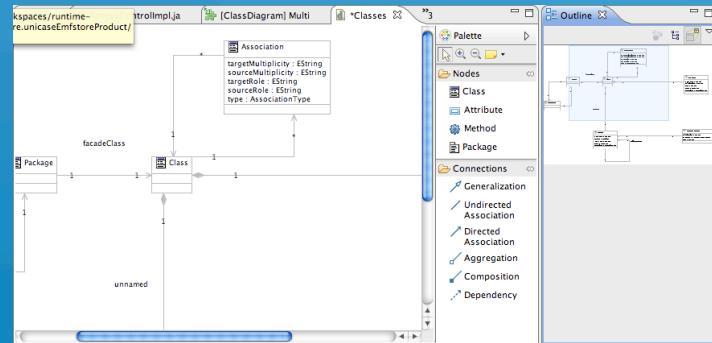


Architecture Overview



What is our application?

- Unicase, a Unified CASE Tool:
 - Requirements
 - Use Cases
 - UML
 - Tasks, Issues and Bug Reports
 - Easily extensible for other models
- Open-Source



Unicase Project Setup

- Collaboration partners:
 - Academic:
 - TUM
 - LMU
 - University of Heidelberg
 - Industrial:
 - people
 - msg
 - Airport Munich
 - Siemens Corporate Research
- Development team:
 - 4 (+4) doctoral candidates
 - 8 students



Demo

We would like to contribute and look for...

- Opinions
- Advise
- Users
- Participation
- A mentor

Talk to us, meet us at the poster reception, mail us (unicase.org)

