

Borland and Eclipse

Strategic Developer Membership

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Agenda

- Historic Context
- Current Borland products on Eclipse
- Future of Borland products
- Strategic Developer Commitment
- Graphical Modeling Framework project





Historic Context

- Borland & TogetherSoft formed part of the initial Board of Stewards in November 2001
- TogetherSoft's Together[®] product was rewritten on Eclipse and released in late 2002
 - LiveSource[™] UML[™] Modeling for Java
 - Now includes CaliberRM integration
- StarTeam client written for Eclipse
 - Arguably, best in the industry
- Other products in development





Current Products on Eclipse

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Together

eclipse

- LiveSource UML
- Design Patterns
- Doc Generation
- Audits & Metrics

(Next generation in development)



StarTeam

- Version Control
- Change Requests
- Task Management







Strategic Developer

- Motivation for Borland
 - Continued Support of
 - Customers
 - Industry
 - Standards
 - Open source
 - Borland SDO vision is more rapidly realized by leveraging Eclipse
 - Contributing to the Eclipse community is essential to the success of vision!





Contribution

- Borland brings expertise in:
 - Modeling Tools (Together products)
 - Java/J2EE Development Tools (JBuilder)
 - C++ Tooling (Borland C++ Builder)
 - Performance Tooling (Optimizeit)
 - Requirements Management (CaliberRM)
 - Configuration Management (StarTeam)
 - Source Analysis Tooling (Together audits & metrics)
- Many areas of Eclipse represent potential for Borland contribution

– EMF, CDT, WTP, JDT, TPTP, BIRT, GEF, etc.





Contribution

- Borland will commit 8+ full-time developers and additional staff on a part-time basis
 - Names, experience, and contribution breakdown to be provided by 03/15/2005

 Borland has proposed to lead a new Graphical Modeling Framework project...





Graphical Modeling Framework (GMF)

An Eclipse Technology Project Proposal





What is GMF?

- The Graphical Modeling Framework (GMF) Project provides the underlying components and framework for the generation of design surfaces within Eclipse from domain and diagram models.
 - Intended to bridge GEF & EMF, hence GMF
 - Goal: to deliver exemplary diagramming for Eclipse UML2 Project, while providing general diagram support for any domain model





GMF Overview

- Main Components
 - Diagramming Infrastructure
 - Eclipse framework for design surfaces
 - Editor, view, properties, navigator
 - Generic frameworks for constraint, query, validation, etc.
 - Diagram definition designer (visual option, of course)
 - Diagram Generator
 - Diagram metamodel, generator model, mapping view
 - Generation framework for diagram elements
 - Node, edge, connector, constraints, etc.
 - Constraint implementation generator
 - Exemplary Tools
 - Diagramming for Eclipse UML2 Project
 - ECore modeling surface





GMF Overview





Questions?

