Borland®
THE OPEN ALM COMPANY

# Borland® Together® 2008

## Visual Modeling Platform for Enterprise Teams

### ACCELERATE THE ANALYSIS, DESIGN, AND DEVELOPMENT OF ENTERPRISE APPLICATIONS

Create applications that meet business needs using Borland Together 2008 technologies to analyze, design and implement flexible, adaptable and maintainable software architectures. Whether the task at hand is changing business processes, creating new applications, or extracting design information from existing systems, Together technologies keep business analysts, system analysts, architects, data modelers and developers in sync, with a common, visual understanding of the important decisions. Together integrates with leading requirements definition and management solutions, allowing direct access, reuse and traceability to and from requirements to ensure that software delivery teams meet customer expectations.

## FEATURES AND BENEFITS

### MODELING SOLUTIONS FOR BUSINESS ANALYSTS, SYSTEM ANALYSTS, ARCHITECTS AND DEVELOPERS

Together technologies are designed to meet specific modeling needs across all roles of a software delivery team, enabling them to collaborate effectively to build high-quality applications in less time. Teams working on new or existing business processes, analysis, design and architecture benefit from enhanced communication and reduced risk of project delay.

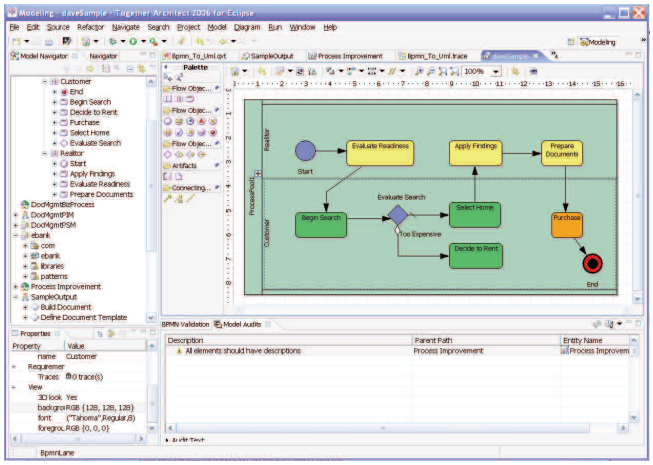
### SIGNIFICANTLY INCREASED BUSINESS AGILITY AND LOWER APPLICATION MAINTENANCE COSTS THROUGH DSLs

Models provide a blueprint for business process, application and enterprise architectures, as well as data structures. These models are essential for communicating among project teams and assuring architectural soundness. Visualization of models helps organizations deal with complexity by improving comprehension, communication and documentation value. As the complexity of applications and business processes increases, so does the importance of good modeling techniques in assuring correctness, quality and, as important, long-term maintainability. Business process optimization, application design and generative techniques are critical in lowering the overall TCO for IT organizations.

Of increasing importance is the enablement of models that define domain-specific languages (DSLs), which provide a blueprint in the context of a business. DSLs can be augmented with visualization, model-driven integration, transformation and generation capabilities to provide business-centric value. This removes the overall modeling complexity, allowing teams to develop models within their own business domain for optimal communication and efficiency.

### FIRST-CLASS DESIGN PATTERNS DRIVE REPEATABLE PROJECT SUCCESS

Together technologies equip software development teams with the ability to create and reuse proven industry-standard design patterns to ensure higher-quality applications and promote the use of successful blueprints. Teams work more efficiently by reducing rework due to design errors later in the development lifecycle.




**Together technologies provide leading-edge design capabilities that enable the visualization of IT architectures.**

### PLATFORM-INDEPENDENT MODELING FOR MULTIPLE PLATFORMS

Together technologies give organizations the flexibility to create platform-neutral designs that target multiple platforms. Support for a wide range of programming languages is available, enabling architects to transform these designs into platform-specific models.

### SUPPORT FOR INDUSTRY STANDARDS

Together technologies conform to MDA standards: Unified Modeling Language™ (UML®), XML Metadata Interchange (XMI®), Query/ Views/Transformations (QVT) and Object Constraint Language (OCL). Borland is influencing Model Driven Architecture® (MDA®), specifically QVT, by contributing breakthrough model transformation technology. Today, this technology enables architects to transform any kind of Eclipse™ Modeling Framework (EMF)–based model into another model (for example, CIM to PIM, PIM to PSM, and vice versa).

### TIMESAVING EFFICIENCIES THROUGHOUT THE DEVELOPMENT LIFECYCLE

Extensive automation and timesaving capabilities enable development teams to work more productively. Key capabilities include automatic document generation; reuse of software assets such as patterns and component definition; rapid propagation of changes through refactoring; and unique LiveSource® technology that offers round-trip technology, keeping models and code synchronized at all times.

# Borland® Together® 2008

## KEY FEATURE HIGHLIGHTS

### New: Domain-Specific Language (DSL) Toolkit

Visual modeling for domain-specific meta models
Wizard-supported creation of DSL solutions, including diagram editors model transformations, code generators, and BIRT reports as Eclipse features
GMF-based UML 2.1 diagrams

### Business Process Modeling

Business Process Modeling Notation (BPMN) with validation checking
Import/export of BPEL for Web Services (BPEL4WS)

### UML Modeling

Language-neutral UML 1.4 and UML 2.0 diagramming
UML modeling with LiveSource for Java®/C++/CORBA® IDL
Model differencing and Model merging
Multi-language support

### Data Modeling

Logical data modeling using UML 2.0 Profile for Data Modeling
Physical data modeling using ER and IDEF1x diagrams
Forward and reverse engineering for leading DBMS (Oracle®, DB2, Sybase®, MS® SQL Server®)
Logical-to-physical data model transformation

### Advanced Modeling and MDA

Object Constraint Language (OCL) 2.0 support including syntax highlighting, validating, and code sense
QVT for model-to-model tranformations (OMG)
Model-to-text transformations with xPand, JET, and EMF API
Code generators for Java, J2EE®, C++, and C# *(new)*
UML profile construction, application and deployment as Eclipse plug-in
Design patterns, including Gang of Four pattern support
Source code design pattern recognition
Code template design and reuse
XMI 2.0 model import and export
Rose and XDE Model Import

### Documentation Generation

HTML portal documentation generation with navigation applet, hyperlinked diagrams, and Javadoc-style model/code report
Image file creation from diagrams in multiple formats
Template designer for customized documentation, diagram layout for printing, automatic document generation with command-line option

### Quality Assurance

Code audits and metrics
OCL-based model audits and metrics

### Team

Teamwork: Share diagrams and models between projects with version control
Borland StarTeam® integration
Generate use case diagrams from requirements, and trace model elements to/from requirements using Borland CaliberRM™and RequisitePro®
Import requirements UML Models from Borland Caliber® DefineIT™

### Platform

Eclipse 3.5

## SYSTEM REQUIREMENTS

### Operating System

- Windows Vista®, Windows XP®Pro (SP 2)
- RedHat® Enterprise Linux® 5 update 2, x86-32
- SUSE® Linux™ Enterprise 10, x86-32
- Mac® OS X™ 10.5, Universal, Carbon

### Memory

- 1 GB minimum (more recommended) For optimal performance in large-scale projects, the JVM heap setting might need to be adjusted in the .bat, .cmd, or .sh files found in the bin subfolder of the Together installation folder.
  For more information, refer to the Sun FAQ at http://java.sun.com/docs/hotspot/PerformanceFAQ.html.

### Video

- High color mode, 1024x768 (1600x1200 recommended)

### IDE Platform

Eclipse 3.5

- The required version of the Eclipse platform is automatically installed with Together; supports Eclipse Update Site to install Together into existing Eclipse 3.5 installations.

### Java Platform

Sun® J2SE®5.0 Update 14

- The required version of Java Runtime Environment is automatically installed with Together.

### Web Browser

- Any web browser that supports frames Microsoft® Internet Explorer® 6.0 or later is recommended on Windows®

Borland is the leading vendor of Open Application Lifecycle Management (ALM) solutions - open to customers' processes, tools and platforms - providing the flexibility to manage, measure and improve the software delivery process.

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