

Process Modeling for Compliance, Agility and SOA

eClarus Business Process Modeler for SOA Architects™

Service Oriented Architects need close process collaboration with Business Analysts and current standard tools to effectively drive and control sophisticated business processes. But expensive, proprietary BPM enterprise integration software is just too much for many organizations focused on building, automating, and optimizing business processes for SOA environments.

- Do you need to easily define and edit BPEL business process models using visual BPMN?
- Wish your business analysts could collaborate using BPMN standard-compliant diagrams, linked with supporting artifacts, instead of vague Visio or opaque proprietary flowcharts?
- What if you could easily extract BPMN from BPEL, UML2, or Microsoft Biztalk®, extract BPEL from XPD, or edit BPEL at the BPMN property/artifact level for optimization and reuse? And generate BPEL from validated BPMN, all integrated with your own Eclipse framework?

eClarus Round Trip Engineering™ delivers agile process development, reuse, and control.

eClarus BP Modeler for SOA Architects is a process modeling and services integration toolset which plugs into the Eclipse development and modeling framework. It enables effective and productive collaboration with business analysts on process driven SOA, for quality, Six Sigma, compliance, governance, application development, value-chain integration and partnering initiatives.

- Model any business processes with BPMN for public or private, B2B, global or internal layers of abstraction and specificity. Orchestrate both automated and human mediated processes, with strong support for exception handling, messaging, and compensating transactions.
 - * Exchange BPMN documents with Business Analysts for collaborative process definition.
 - * Drill down to specify object properties and WSDL/XML artifacts, enabling BPEL generation.
 - * Supports excellent BPMN compliant process visualization with supporting properties and attributes for goals, requirements, and BPEL generation. Full BPMN functionality includes process hierarchies, pools, roles/swim lanes, activities, flow controls, decision and message constructs, artifacts and annotation.
 - * Provides flexible entry, fast and easy updates, and documentation of business rules, goals/KPI's, and related documents, object properties, sequence flows, and artifacts for effectively driving and controlling business systems and business standards compliance.
 - Generate standard BPEL from BPMN processes using integrated model artifacts and model validation. Model generates process documentation, with customizable Microsoft Word®/HTML template for specs and reports.
 - Plan and track changes visually with "As-Is" and "To-Be" model comparison panes and outline views.
 - Supports open BPEL and BPMN standards, open EMF and JavaDoc API, open platforms for development, integration, and execution. Works with any Eclipse-compliant repository (CVS, ClearCase, etc.) and BPEL execution engine, while leveraging the entire Eclipse framework.
- ✦ Breakthrough eClarus Round-Trip Process Engineering capability: drive BPMN processes into executable code and extract detailed process diagrams from service-oriented applications. Edit tedious BPEL at the visual BPMN level.



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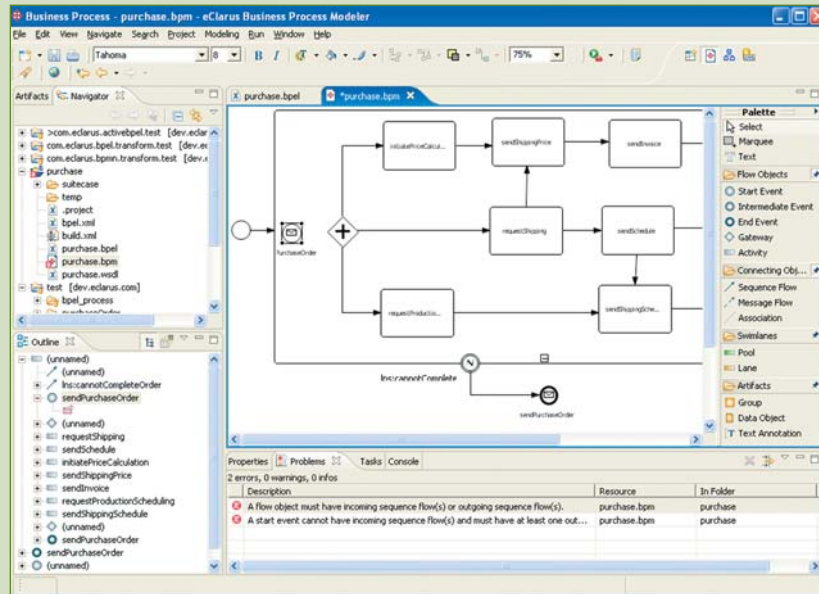


Figure. Business Process Modeler resizable panes include diagram, drawing & object palette, selected object properties, outline view, artifact browser, and model comparisons

Key Features:

Visual Process Diagramming

- Auto-layout and alignment
- Find/replace, Nested Redo/Undo
- Format line color, fill color, font
- Set preferences for initial colors, shapes
- Print diagrams, with page tiling

BPMN Modeling

- Visual editor, outline, draw panes
- Event modeling with rules, timers, triggers, exceptions, etc.
- Link forms, documents as artifacts
- Model validation as BPMN compliant

Documentation and Reporting

- Document goals, KPI's, related documents

Requirements:

Windows XP® (or Linux), Sun Java® Runtime (JRE 1.5 or 1.4), Eclipse environment including EMF

Compatibility:

- Shares BPMN metamodel and architecture with eClarus Business Process Modeler for Business Analysts™ supporting seamless team process development, integration, and modification.
- Industry standard BPMN supported by all major SOA platform vendors. Standard BPEL generated is compatible with Microsoft Biztalk®, Oracle BPEL Designer®, IBM WebSphere Integrator®, SAP XI®, BEA BPEL Engine®, JBoss®, etc.
- In-the-shell Eclipse® integration enables easy use with full Eclipse® toolset

- Generate Microsoft Word®/HTML Documentation
- Export BPMN diagram as SVG Image

Change Management

- Track changes (similar to Microsoft Word®)
- Compare 'As is' with 'To Be' models visually in diagram panes and outline views

Property Browser

- BPMN properties selection
- Category (Goal, Requirement, Key word)

BPEL Generation

- Generates BPEL from validated BPMN with supporting properties and artifacts

API / Extensibility

- Exposed open API via EMF model and JavaDoc
- User-defined properties
- Extract BPMN process models from executable BPEL code or UML 2 model (activity diagram)

Artifact Browser / Manager

- Display artifacts (WSDL, XSD, Business process models) and details
- Import WSDL, XSD, BPEL, XLANG, XPDL, Rational Rose®/UML, UML2 into artifact browser for orchestration scenarios
- Transform BPEL to BPMN
- Use virtual directory to group and organize artifacts
- UML2 import from Rational Software Architect, Modeler



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