Mikko Hartikainen
Evaluation of available BPMN tool
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1 INTRODUCTION

The Purpose of this document is to evaluate available BPMN modeling tools. Focus in this evaluation is on those BPMN tools that are Eclipse-based and are either open source product or can be used for free. Less attention has been paid to commercial and non-eclipse-based products. The information has been gathered mostly from developer’s web-pages. Some pages provided only very limited information about tools. All tools listed in this document have support for BPMN. Some tools have been quickly tested to find out more information about tool.

2 FREE BPMN TOOLS

Free tools were more easily able to be tested and gathering information was relatively easy.

2.1 ILOG: JViews™

www.ilog.com
Created/Modified: 25.3.2008
License: BPMN Modeler is free
UML Support: No
BPEL Support: No
Public APIs: No
Eclipse Based: No
Comments: Basic free BPMN modeler.

Their own ad:

Model, Generate and Share Your Business Processes
Improve the understanding and communication of your business processes, even those that are complex.ILOG JViews BPMN Modeler is a FREE application that uses the simple, standardized Business Process Management Notation (BPMN).

Generate XML code that can be shared and used by many applications. And it's FREE!
Download the following BPMN data files to try out the BPMN Modeler:
2.2 Intalio: n³ Designer™

[Website: www.intalio.com]

Created/Modified: 6.3.2008

License: Open source, Mozilla Public License

UML Support: no

BPEL Support: Strong support for BPEL. Designer can generate runnable BPEL from BPMN. Data can be mapped in BPMN modeler. XSD or WSDL documents can be used for mapping data. Intalio has also BPEL server for running BPEL.

Public APIs: ?

Eclipse Based: yes

Comments: Promising product, but buggy (comments mostly based on earlier version 2.0, current 5.1.1). Forums could be more helpful for developers. Intalio Designer is good for people who need to generate BPEL from BPMN.

Their own ad:

Intalio|BPMS has the richest feature set currently available from any BPMS. Nevertheless, should you require any additional feature, please feel free to submit your request through our Demand Driven Development process, and we will do our best to make it part of our product roadmap.

<table>
<thead>
<tr>
<th>Code Generation &amp; Import</th>
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<tbody>
<tr>
<td>WS-BPEL 2.0 Code Generation</td>
<td></td>
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<tr>
<td>Automatic Process Code Generation</td>
<td></td>
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<tr>
<td>WS-BPEL 2.0 Code Import</td>
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<tr>
<td>Transparent Process Validation</td>
<td></td>
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<tr>
<td>BPEL4WS 1.0/1.1 Code Import</td>
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<tr>
<td>ARIS Import</td>
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<tr>
<td>BPML Code Import</td>
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<tr>
<td>WSDL Endpoint Generation</td>
<td></td>
</tr>
<tr>
<td>BPMN 1.0 Support</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Environment</th>
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<tbody>
<tr>
<td>Eclipse Plugin Version</td>
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</tr>
<tr>
<td>Standalone Version</td>
<td></td>
</tr>
<tr>
<td>Integrated Development Environment</td>
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<table>
<thead>
<tr>
<th>Life Cycle Management</th>
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<tbody>
<tr>
<td>Graphical Dependency Manager</td>
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</tbody>
</table>
## Advanced Searching
- Local Versioning
- Collaborative Versioning
- Check-In/Check-Out

## Mapping Editor
- Graphical Rule Mapping
- Graphical Assignment Mapping
- Schema-to-Schema Mapping Editor
- Point-and-Click User Interface
- Software Development Kit for Custom Mapping Functoids
- XPath 1.0 Support
- Support for Complex Schemas
- Transparent Schema Validation
- Advanced Set of Pre-Built Mapping Functoids
- XML Schema 1.0 Support
- Graphical Transformation Mapping
- Dynamic Consistency Checking
- Online Reference Tracking
- One-Click Process Deployment

## Process Deployment
- Drag-and-Drop Interface for LDAP Roles
- Customizable Process Constructs
- Drag-and-Drop Interface for Message Schemas
- Compensation Flows
- Drag-and-Drop Interface for Transport Protocols
- Drag-and-Drop User Interface
- Multi-Swimlane Process Modeler
- Reusable Process Support
- Process Map Export (PDF, PNG, SVG)
- Advanced Set of Pre-Built Process Constructs
- In-Line Sub-Process Drill-Down
- Exception Handling Flows
- Visual Property Editor for All Process Constructs
- Transparent Semantic Validation
- Visual Connectors for All Supported Systems
- On-line System Interface Introspection
- Automatic System Interface WSDL Generation

## System Introspection
- Visual Connectors for All Supported Systems

### 2.3 M1 Global: BPI Studio

[www.m1global.com](http://www.m1global.com)

Created/Modified: 18.3.2008

License: Open source, LGPL
UML Support: No
BPEL Support: No
Public APIs: JavaDoc available for scripting.
Eclipse Based: Yes
Comments: Modeler can be used to create runnable application from BPMN. Task can be scripted with Java.

Their own ad:

The StarPound platform executes converged, composite applications supporting voice and data interactions. StarPound applications are created using StarPound Studio, a flexible development environment built around the Business Process Modeling Notation (BPMN) specification. Business analysts and developers work together in StarPound Studio to model and deploy multi-channel SOA applications to the StarPound Runtime.

StarPound application models include:

- Web form tasks
- Voice tasks (Tell prompts, Ask prompts)
- Web service tasks (Call, Send, Receive)
- Database tasks (Select, Insert, Update, Delete)
- Call control tasks (Make Call, Conference, Transfer)
- Script tasks
- Gateways (AND, OR, XOR)
- Events (Exceptions, Timers)

Application Modeling
StarPound Studio provides an easy-to-use drag and drop interface for building application models. A business analyst or process expert can use the elements in the Studio palette to construct a model representing the required business process functions. The analyst can also annotate the model to document the process.

StarPound Application Development
From a basic StarPound Studio model, a technical analyst or a developer can quickly construct and deploy a working voice and data application. During the development cycle, the analyst or developer builds and polishes the voice or web interface for the application and configures data management through web services or RDBMS.

Deploying Applications
Once the application model is complete, the developer deploys it to the StarPound Runtime, the execution engine for StarPound. The StarPound application can then be launched by a user from a web page, phone call, incoming email, or web service call.

2.4 Orbus Software: iServer

www.orbussoftware.com

Created/Modified: 18.3.2008
License: Free BPMN modeler
**UML Support:** Separate UML modeler (Modeler supports all UML 1.x diagrams)

**BPEL Support:** No

**Public APIs:** ?

**Eclipse Based:** No, Based on MS Visio

**Comments:** ?

**Their own ad:**

<table>
<thead>
<tr>
<th>Feature Highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free copy of stencil supporting the latest version of the BPMN (v1.0) notation released in February 2006.</td>
</tr>
<tr>
<td>Repository of reusable Business Process Diagrams and shapes</td>
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<tr>
<td>Multi-dimension Impact Analysis – trace business objectives to process, requirements to data models</td>
</tr>
<tr>
<td>Robust management and control of corporate repository</td>
</tr>
<tr>
<td>Collaborative multi-user environment</td>
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<tr>
<td>Shape and property re-use</td>
</tr>
<tr>
<td>Version control &amp; version history</td>
</tr>
<tr>
<td>MS Word bookmarks as objects</td>
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<tr>
<td>Enforcement of corporate standards &amp; methods (consistency of approach)</td>
</tr>
<tr>
<td>Solution specific validation and consistency checks</td>
</tr>
<tr>
<td>Perform impact of change across entire repository (including business &amp; technical views)</td>
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<tr>
<td>Predictive analysis</td>
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<tr>
<td>Customized reporting</td>
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<tr>
<td>User defined reporting through SQL Reporting Services</td>
</tr>
<tr>
<td>Interactive Publication for all/part of the model</td>
</tr>
<tr>
<td>Maximize existing investment in software, training and knowledge</td>
</tr>
</tbody>
</table>

### 2.5 Soyatec: eBPMN Designer

[www.soyatec.com](http://www.soyatec.com)

**Created/Modified:** 29.02.2008

**License:** Free for commercial use

**UML Support:** Soyatec has also similar application for UML2

**BPEL Support:** Not implemented, but it’s planned to be implemented later in future.
Public APIs: ?
Eclipse Based: yes
Comments: Basic nice looking modeler.
Their own ad: ?

2.6  Tibco: Business Studio ™

www.tibco.com
Created/Modified: 13.3.2008
License: Free. Support costs?
UML Support: No?
BPEL Support: No
Public APIs: No
Eclipse Based: Yes
Comments: Nice looking BPMN modeler and simulator. Studio saves BPMN process as XPDL. Modeler is one of my favorites so far.
Their own ad:

<table>
<thead>
<tr>
<th>Version 2.1 Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linux support for both Red Hat and SUSE (new in 2.1)</td>
</tr>
<tr>
<td>Complete visual process package documentation (new in 2.1)</td>
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<tr>
<td>Two distinct views on the same process, one for Business, one for IT</td>
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<tr>
<td>Full support for BPMN 1.0</td>
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<tr>
<td>Ability to introspect service registries and map service inputs and outputs</td>
</tr>
<tr>
<td>Ability to create simple service steps such as email, POJO, etc.</td>
</tr>
<tr>
<td>Version control using Business Studio Asset Central</td>
</tr>
<tr>
<td>Support for concept modeling</td>
</tr>
<tr>
<td>Support for custom reports</td>
</tr>
<tr>
<td>Support for import of Aris and Visio models</td>
</tr>
</tbody>
</table>

2.7  Eclipse.org: SOA Tools BPMN Modeler

Modified/Created: 28.02.2008
License: Eclipse license
UML Support: SOA Tools can be used for drawing UML diagrams
BPEL Support: Can generate BPEL from BPMN and vice versa
Public APIs: Available, but documentation of APIs are not available (at least I wasn’t able to found any). It’s not possible to generated JavaDoc from source file either. Hopefully API documentation will be available with version 1.0.

Eclipse Based: yes

Comments: Modeler looks quite almost identical with Intalio Designer’s modeler (developers are the same as with Intalio designer). Current version is 0.8. Modeler seems to work quite nicely.

Their own ad:

| The modeler has been developed based on GMF, which stands for Graphical Modeling Framework. GMF is an open source project taking place in the Eclipse Foundation. It reuses and extends two other Eclipse projects, GEF (Graphical Editing Framework) and EMF (Eclipse Modeling Framework).
| The modeler is developed as a subproject of the STP project, ie the SOA Tools Platform project.
| The goal of this modeler is to provide a graphical notation to express processes. Its second goal is to provide enough extensibility so that it can be reused to generate executable code.
| The team counts two committers, Alex Boisvert and Hugues Malphettes, and a contributor Antoine Toulme.
| They all work for Intalio, Inc.
| A first milestone of the project has been published in December.
| The project has adopted the STP lifecycle and should release a 1.0 version sometime in Q2 this year. |

3 COMMERCIAL BPMN TOOLS

Unlike in free BPMN tools, information of commercial tools is much more difficult to find. Some companies provide information in very abract level or don’t provide technical information at all. Information has been gathered from evaluation versions of tools as well, but not all companies provide them or evaluation versions might have limited functionality. Those products that do not offer any downloadable version nor mention anything about license was consider as commercial products.

3.1 Appian Enterprise 5 Business Process Management Suite

www.appian.com

License: Commercial, Demo can be requested

Their own ad:

| Appian's Business Process Management Suite (BPMS) enables business |
users and IT to work together to rapidly build easy to use applications for end-users. Appian Enterprise, the only 100% web-based BPM suite, is a comprehensive solution that simplifies process collaboration and innovation enabling all users across the organization to be a part of the process for achieving corporate goals.

Easy to Use
Appian Enterprise is the easiest BPM suite on the market to deploy and use. Designed for business users, Appian Enterprise puts the power of process innovation in the hands of business decision makers.

Flexible
Appian Enterprise provides the flexibility for users to quickly develop business process applications and implement the reports that are most critical to their business.

Comprehensive
Appian Enterprise is a comprehensive BPM suite that includes key document management capabilities as well as real-time analytics and monitoring.

3.2 aXway: Synchrony™ ProcessManager

www.axway.com
License: Commercial?
Created/Modified: ?
UML Support: ?
BPEL Support: ?
Public APIs: ?
Eclipse Based: ?
Comments: ?

Their own ad:

Synchrony™ ProcessManager increases the business agility of your information systems. This scalable, high-availability solution helps manage business processes consistently between business and IT by modeling, integrating, supervising, administering and optimizing business processes.

Process Manager's full Business Process Modeling Notation (BPMN)-compliant modeling environment helps you create executable, event-driven business processes that orchestrate automatic and manual activities for line-of-business managers. Synchrony ProcessManager helps your business to:
Fulfill SLA and business process requirements across organizations, systems and applications
Simplify how you provide services to customers
Build scalability into your processing, so you can fulfill high volumes of service orders
3.3 BizAgi:

www.bizagi.com
License: Commercial?
Created/Modified: ?
UML Support: ?
BPEL Support: ?
Public APIs: ?
Eclipse Based: ?
Comments: ?
Their own ad:

The Process Modeler is an integral part of the BizAgi BPM Suite. Once the design has been completed in the Process Modeler, you will be able to automate your process and put it into practice in such a way that your organization functions more efficiently. Process automation means having an application that executes and controls the process in accordance with the design, and then presents a complete Web work-portal to the organization's staff. BizAgi is unique in the industry because it allows automation without the need for programming.

By using the BizAgi Process Modeler you will be able to:
- Align and organize your resources so they can share and contribute their knowledge in process modeling
- Achieve maximum agility and efficiency for diagramming your organization's processes
- Comply with the only universal process diagramming standard BPMN 1.1.
- Document your processes according to process diagram
- Implement and automate your processes quickly and easily

3.4 BOC Information Systems: ADONIS®

www.boc-eu.com
License: Commercial, free limited community edition for registered users
Created/Modified: 27.3.2008
UML Support: UML support was said, but level of support is unknown
BPEL Support: Import/export BPEL from BPMN
Public APIs: ?
Eclipse Based: ?
Comments: ?
Their own ad:

Through its intuitive user interface, its powerful analyzing mechanisms (such as simulation, personnel resource planning,
activity-based costing), the support of various methods such as BPMN, UML, ITIL as well as powerful web mechanisms, ADONIS emerges as an ideal corporate business process management tool. ADONIS also offers a close integration with Application Development tools (e.g. BPEL and XMI).

**Application Areas:**
- Business Process modelling/optimisation
- organization management (generation of organization charts, workplace and job descriptions)
- activity-based costing
- personnel resource planning
- Quality Management / ISO 9000
- Risk Management / compliance
- process-oriented Application Development
- implementation of Service-Oriented Architecture (SOA)

### 3.5 Borland® Together® Products: Together Architect® 2006 and Together Designer® 2006

[www.borland.com](http://www.borland.com)

**License:** Commercial, Free 15 day trial

**Created/Modified:** 27.3.2008

**UML Support:** Language-neutral UML 1.4 and UML 2.0 diagramming. UML modeling with LiveSource for Java™/C++/CORBA IDL. Model differencing and Model merging

**BPEL Support:** Import/export of BPEL for Web Services (BPEL4WS)

**Public APIs:** I wasn’t able to find info about this.

**Eclipse Based:** Yes

**Comments:** Includes BPMN validation. BPEL that has been generated from Together’s BPMN model works well, at least, with Active endpoint’s ActiveBPEL.

**Their own ad:**

Increase the business-centric value of modeling with domain-specific languages that you can create and deploy using Together’s new and unique Domain Specific Language (DSL) toolkit

Create UML 2 and business process models (BPMN™) to generate and import business process execution languages with Web Services definitions (BPEL4WS)

Increase productivity and quality by automating design and code reviews that include audits and metrics at the model and code level

Easily use, create and customize OCL 2.0-based model audits and metrics to align your modeling efforts with company standards and ensure precise and consistent models

Boost productivity through Model Driven Architecture® (MDA®) features, including OMG’s Query View Transformation (QVT) used in model-to-model transformations and support for OCL 2.0 with syntax highlighting, validation, code sense, debugging and expression
3.6 Casewise: Corporate Modeler™

www.casewise.com
Created/Modified: 28.02.2008
License: Commercial, Free trial available for registered users.
UML Support: No
BPEL Support: No
Public APIs: ?
Eclipse Based: ?
Comments: ?

Their own ad:

BPMN Extension
The BPMN Extension includes everything you need to build process diagrams using the new Business Process Modeling Notation developed by BPMI.org.

It features diagram templates and the full range of 30+ scalable objects to use within them. Using the extension, you can quickly create diagrams that comply fully with BPML standards and are thus ready to be translated into BPEL or BPML code.

3.7 Cordys: Studio

www.cordys.com/products/studio
Created/Modified: 29.2.2008
License: Commercial?
UML Support: ?
BPEL Support: ?
Public APIs: ?
Eclipse Based: ?
Comments: ?

Their own ad:
The key strength of Cordys BPMS is enabling faster, better business process automation with complete control over building and managing composite applications. This is made possible because Cordys BPMS is built from the ground up to offer natively integrated business process management (BPM) and Service-Oriented
Architecture (SOA) capabilities. The synergy between these two capabilities and the fact that they reside in single, comprehensive toolset are the key ways Cordys works differently than other BPM offerings.

3.8 BEA: AquaLogic BPM 5.7

www.fuego.com
Created/Modified: 29.2.2008
License: Commercial
UML Support: ?
BPEL Support: ?
Public APIs: ?
Eclipse Based: ?
Comments: ?

Their own ad:

AquaLogic BPM is used to create and manage departmental, enterprise, and inter-enterprise business processes. These business processes generally involve human participants viewing and entering data through a Web browser. This end user data flows through a dynamic sequence of steps encompassing people, applications, and systems. The AquaLogic BPM components include design tools for modeling, developing, and testing processes as well as administrative utilities for deploying and monitoring processes. BEA Systems acquired Fuego Software on March 1, 2006. As a result of the acquisition, the Fuego product suite is now called BEA AquaLogic BPM. Some of the component names and product terminology changed in AquaLogic BPM 5.7 as a result of the acquisition and re-branding. For an explanation of how the previous terms correspond to the new terms, please refer to 5.5 to 5.7 Terminology Changes.

3.9 Elixer Intelligent Software: eliXir BPMN-MDA Framework

www.al-ixir.com
Created/Modified: 18.3.2008
License: Commercial?
UML Support: ?
BPEL Support: ?
Public APIs: ?
Eclipse Based: ?
Their own ad:

eliXir is an innovative technology that merges the power of Model Driven Architecture (MDA), the simplicity of Business Process Management Notation (BPMN), the breadth of the web and the flexibility of Service Oriented Architecture (SOA). eliXir can build web based applications in just 2 steps Specify and Deploy. Specify using BPMN and deploy in a J2EE platform. The generated application has a lot of modern features such as business security, distribution, fault tolerance, fail over, alert, audit, multi-language, multi-channels (Web, WAP, e-mail, fax, SMS,...).

3.10 EMC: EMC Documentation Process Suite

software.emc.com

Created/Modified: 18.3.2008

License: Commercial

UML Support: ?

BPEL Support: ?

Public APIs: ?

Eclipse Based: ?

Comments: ?

Their own ad:

EMC Documentum Process Suite delivers a complete, integrated business process management (BPM) solution to analyze, orchestrate, and optimize the broadest range of enterprise processes involving people, systems, content, and data. With the Documentum Process Suite, your organization will realize greater operational efficiencies and employee productivity, while simultaneously gaining a better understanding of business performance in order to improve processes over time.

3.11 Embarcadero Technologies: EA/Studio

http://www.embarcadero.com/products/eastudio/

Created/Modified: 29.2.2008

License: Commercial, free 14-days trial

UML Support: ?

BPEL Support: ?

Public APIs: ?
Embarcadero EA/Studio Business Modeling Tool is a tool for creating a graphical representation of your business from the core concepts that describe the business, to the processes that detail how your business operates. EA/Studio allows you to easily model your business processes and how those processes use data. EA/Studio Conceptual Modeling provides an intuitive way to outline subject areas and concepts that can then drive the creation of detailed data models.

**EA/Studio offers:**
- Conceptual Modeling for top down database design
- Business Process Modeling based on the BPMN standard
- Intuitive interface suitable for both business and technical users
- Support for Stewardship, Business Rules, and Business Units
- Capability to link business processes with underlying data
- Impact analysis and reporting
- ER/Studio Import/Export
- Publish models to the web
- Visio and Excel Import

### 3.12 Fujitsu: Interstage Business Process Manager 7.1


**License:** Commercial?

**UML Support:** ?

**BPEL Support:** ?

**Public APIs:** ?

**Eclipse Based:** ?

**Comments:** ?

**Their own ad:**

Interstage® Business Process Manager is a complete Business Process Management (BPM) suite that helps business and IT professionals collaborate on defining, refining, automating and optimizing business processes. It helps companies:
- Build better, newer business processes, faster
- Reduce risk by pre-testing various business scenarios before executing
- Better align and use resources
- Reduce errors and costs and improve efficiencies by automating tasks
- Track tasks and business metrics and optimize processes in real-time
- Demonstrate compliance by documenting processes

The key phases of a business process life cycle –
modeling, integration, automation, management and optimization have typically been manually intensive steps. Interstage Business Process Manager empowers users by automating their business processes and providing them with complete control over the entire process life cycle. By integrating with CentraSite, Fujitsu’s next-generation SOA registry and repository, companies have the ability to store their business processes and other SOA assets in a centralized location. This delivers on Fujitsu’s vision of providing enterprise customers with the ability to orchestrate business processes across departments and partner organizations for enhanced collaboration, increased efficiencies, and optimal business performance.

3.13 Graham Technology: cPP

www.gtnet.com

Created/Modified: 18.3.2008

License: Commercial

UML Support: ?

BPEL Support: ?

Public APIs: ?

Eclipse Based: ?

Comments: I couldn’t found much technical information of the tool. Page was full of flash-animation, though.
Their own ad: ?


www.global360.com/

Created/Modified: 18.3.2008

License: Commercial, free demo available

UML Support: ?

BPEL Support: ?

Public APIs: ?

Eclipse Based: ?

Comments: Hardly any technical info was available.
Their own ad:

With Global 360 you can
• Increase responsiveness to changing business conditions, such as dramatic changes in work
volumes, changes in human capital availability, or revisions to service level goals.

- Reallocation resources to the most important work as dictated by business priorities, resulting in optimal goal attainment.
- Obtain visibility into business processes that span functions and departments, including the ability to identify bottlenecks and underutilized resources.
- Optimize business processes, ultimately delivering improved, end to end process competitiveness for the entire organization.

3.15 HandySoft Global Corp: BizFlow® BPM

www.handysoft.com

Created/Modified: 18.3.2008

License: Commercial

UML Support: ?
BPEL Support: ?
Public APIs: ?
Eclipse Based: ?
Comments: ?

Their own ad:

BizFlow® BPM is specifically designed for process-minded organizations, enabling both business analysts and IT professionals to quickly define and model business processes using an intuitive, graphical user interface. It supports the Business Process Modeling Notation (BPMN) standard, enabling individuals to import models from commonly-used design tools such as Microsoft Visio.

Process Execution & Monitoring
BizFlow® BPM automatically routes work to responsible parties based upon simple or complex business rules. It presents tasks to users in a common work list that is easy to understand. These work lists and dashboards are configurable by departments, roles, groups, users and executive management. Users can track all tasks to immediately determine process status.

Forms Design & Management
With BizFlow® BPM, users benefit from a very flexible, yet dynamic tool for creating and managing interactive forms. Using intuitive drag and drop operations, users can create forms directly within BizFlow® or they can create them using a third-party application such as Microsoft Office, Adobe Acrobat, ASP or JSP.

Zero Coding End-User Interface
BizFlow® BPM offers fully configurable end-user interfaces enabling organizations to define unique menu structures and personalized desktops by user or job function. Information from external Websites and data sources can also be presented directly...
3.16 IDS-Scheer: Aris™

www.ids-scheer.com

Created/Modified: 18.3.2008

License: ?

UML Support: Platform has tool for UML modeling. All diagram types of UML 1.4 are supported.

BPEL Support: Platform has tool for BPEL modeling.

Public APIs: No?

Eclipse Based: No?

Comments: ?

Their own ad:

The Web-Based Benchmark for Business Process Management

Companies that want to remain competitive need to constantly adapt their business processes to changing market requirements—which in turn necessitates a holistic approach to business process management. This is impossible without a professional, intuitive software solution that is available throughout the enterprise. The solution must also be highly scalable, platform-independent, and cost-effective to run.

ARIS Business Architect is Web-based and supports professional, enterprise-wide business process management (BPM). It offers maximum flexibility for modeling, analyzing, and optimizing business processes and benefits from an intuitive user interface.

ARIS Business Architect contains extensive functionality for administering databases, users, scripts, etc. Alongside proven methods like Event-driven process chain (EPC), ARIS also supports BPMN, BPEL, UML, and other architecture concepts, such as, DoDAF, IT City Planning, and Zachman.

3.17 Corel: iGrafx™

www.igrafx.com

Created/Modified: 18.3.2008

License: Commercial, free 30 days trial

UML Support: No?

BPEL Support: Can export BPEL

Public APIs: No

Eclipse Based: No
Grafx® FlowCharter™ is the most full-featured, easiest to use process analysis and modeling tool available to help organizations understand and improve business processes. A graphical representation of processes allows people to easily comprehend information and quickly focus on the bottlenecks and issues in a process. Far more robust than generic charting products, iGrafx FlowCharter is the entry point in the iGrafx family of process excellence software solutions.

Download the Free 30-Day Trial today!

Easily Create:
- Flowcharts
- Process Maps
- Swimlane® Diagrams
- Value Stream Maps
- Cause & Effect Diagrams
- FMEA Spreadsheets
- Pick Charts
- SIPOC Charts
- BPMN Diagrams
- BPEL Exports*
- Customized Templates
- Network Diagrams
- Organization Charts

3.18 Intellior AG: AENEIS

www.intellior.ag

License: Commercial, free 4 weeks tryout

Comments: German language might be a bit confusing

3.19 ITpearls: Process Modeler for Visio

www.itpearls.com

Created/Modified: 6.3.2008

License: Commercial: Process Modeler for Microsoft Visio™, Business $720

Process Modeler for Microsoft Visio™, Professional $1250

UML Support: No.

BPEL Support: export to BPEL
Public APIs: ?
Eclipse Based: No
Comments:
Their own ad:

Microsoft Visio™ is the market leading drawing tools. Visio supports also drawing stencils for business modeling. But Professional Business Process Modeling needs extensions such as fully BPMN compliancy and validation, enhanced diagram navigation, automated process documentation, data reporting, Simulation and roundtrip engineering as well as team support (Team Repository).

Process Modeler for Microsoft Visio™ provides more than just a bunch of shapes and objects. It supports the full BPMN standard, which process definitions can be validated against the BPMN standard as well as several export formats to bridge the "Business - IT divide".

3.20 Kaisha-Tec: ActiveModeler Avantage

www.activemodeler.com
Created/Modified: 6.3.2008
License: Commercial, free for non-profit work
UML Support: no
BPEL Support: no
Public APIs: ?
Eclipse Based: no
Comments: Basic standard-based BPMN modeler. Tool can be extended via plug-ins.
Their own ad:

Avantage will grow with you because it is extensible. Add to your process modeling arsenal with one of our plugin bundles. Avantage is advanced process modeling software, not a basic flowchart with a BPMN skin. Avantage comes with a full spec BPMN 1.0 object model API and Lua .NET scripting DOM. Visit Avantage Overview to learn more. Also, the depth of the Avantage BPM Foundation makes it well suited for IT education and academic research projects.

3.21 Lanner: Witness™

www.lanner.com
Created/Modified: 6.3.2008
License: Commercial?
UML Support: ?
BPEL Support: ?
Public APIs: ?
Eclipse Based: No
Comments: -

Their own ad:

The WITNESS VISIO Simulation Solution is the perfect way to test the performance of a process before implementation. It adds the power of simulation on top of traditional process mapping. The simulation model is taken from the process diagram and 'runs' the process virtually. It takes account of the variability of the process and reports accurately on how this variation affects key performance indicators in a way that spreadsheet analysis can never do. With accurate results like these it is possible to make much better informed decisions on the structure and the implementation for the process.

Because the WITNESS VISIO Simulation Solution is based on drawing diagrams in VISIO it is easy to pick up and use. Even if you have never used simulation before it is a simple process to create your own process diagrams and then add the data behind each process box to drive the simulation.

The WITNESS VISIO Simulation Solution provides ready made stencils to use inside VISIO. These reflect the latest in standards for creating process diagrams – there is a choice of IDEF3, Process Chart and BPMN (Business Process Modeling Notation). These standards ensure some rigor in the modeling process and offer a flexible way to store and use the data for any process. One further stencil provides the option to define extra items for a simulation such as shift patterns - enabling extra data to be defined and used.

Within Minutes a new process diagram can be revealing its true performance. Using the special WITNESS Viewer the model is opened and run. The visual nature of the simulation display shows process flows - this helps to detect any major omissions in the flows defined. Results build up in tables and charts and show statistics indicating key capabilities - throughputs, utilizations, service times, etc.

3.22 Lombardi Software: TeamWorks™ 6

www.lombardisoftware.com
Created/Modified: 6.3.2008
License: Commercial
UML Support: ?
BPEL Support: BPEL is supported, level of support is unknown
Public APIs: ?
Eclipse Based: ?
Comments: Their ad says it all
Their own ad:

Find the problem areas. Take cost out. Respond to exceptions faster. Process improvement is at the heart of all Business Process Management (BPM) initiatives. Teamworks 6 gives you the platform to deliver applications that support process improvement - whether you have a single project or a complete business transformation in mind.

3.23 Mega International: Mega Suite™

www.mega.com
Created/Modified: 25.3.2008
License: Commercial, Free evaluation and education version available for Designer, Architecture and Process (BPMN)
UML Support: Mega Designer Support UML, Support level is unknown
BPEL Support: Mega Designer Support BPEL
Public APIs: No?
Eclipse Based: No, based on MS Office
Comments: ?

Their own ad:

An effective strategy for business process management is vital for all business process improvement initiatives. Many projects benefit from Business Process modeling, such as ISO certification, Six Sigma, ITIL, and many others.
MEGA Process provides business analysts and IT architects with the modeling platform necessary for an effective business process analysis that can be easily shared and reused. In addition, the MEGA platform is fully extensible, allowing each enterprise to adapt MEGA Process to its own environment, thus laying the foundation for a solid enterprise repository. Coupled with the Simulation module, MEGA Process demonstrates how to optimize business processes, by testing multiple scenarios and their potential outcome.

3.24 No Magic: MagicDraw UML 15.0

www.nomagic.com
Created/Modified: 18.3.2008
License: Commercial, free community edition
UML Support: All UML2 diagrams are supported. Support for profiles.
BPEL Support: Business Process Modeling Notation (BPMN) export to BPEL 1.1 (BEA flavor)

Public APIs: Yes

Eclipse Based: No, but can be integrated with eclipse

Comments: Very powerful UML-modeling tool

Their own ad:

MagicDraw is a visual UML modeling and CASE tool with teamwork support. Designed for Business Analysts, Software Analysts, Programmers, QA Engineers, and Documentation Writers, this dynamic and versatile development tool facilitates analysis and design of Object Oriented (OO) systems and databases. It provides the industry's best code engineering mechanism (with full round-trip support for J2EE, C#, C++, CORBA IDL programming languages, .NET, XML Schema, WSDL), as well as database schema modeling, DDL generation and reverse engineering facilities.

3.25 Pegasystems: BPMSuite

www.pega.com

Created/Modified: 25.3.2008

License: Commercial?

UML Support: No?

BPEL Support: Yes

Public APIs: No?

Eclipse Based: No?

Comments: ?

Their own ad:

SmartBPM Suite Components
PegaRULES Process Commander® - At the core of the SmartBPM Suite is PegaRULES Process Commander, a thin-client collaborative environment for both business and IT.
Process Analyzer — Uses a data warehouse of both historical work and simulated data, with on-line analytic tools to continuously improve processes.
Process Simulator — New business processes are simulated before they go live. Using "wizards," analysts can quantify and compare potential for increased service levels, as well as reductions in time, error, and cost.
Enterprise Integration — Pegasystems' SmartBPM is built from the inside out with a services-oriented architecture (SOA). It offers an extensive library of enterprise connectors and adapters, including support for industry standards such as BPEL.
Case Management — A smart case-management application is included as part of the SmartBPM Suite, and can be put to work immediately.
Content Management Integration — The SmartBPM Suite can also integrate multiple image repositories and document-
management systems to manage global policies and processes for record retrieval and retention.

Portal Integration — Businesses turn to web-portal technology to enable collaboration with their trading partners and to open up self-service to their customers.

3.26 Software AG: Enterprise Business Process Manager (EBPM)

www.softwareagusa.com

Created/Modified: 19.3.2008

License: Commercial?

UML Support: ?

BPEL Support: Supported, level of support in unknown

Public APIs: ?

Eclipse Based: ?

Comments: ?

Their own ad:

- Complete, integrated process platform meets the needs of all process stakeholders and all process types – human-centric, system-centric or document-centric.
- Business analysts and IT work together to design, test, deploy and monitor processes with 360 degree collaboration around a single, executable process model, throughout the process lifecycle.
- Integrated best-of-breed simulation capabilities allow you to simulate the performance of your process and optimize its resource requirements under real-world conditions, prior to deployment.
- Monitoring and analytics show the operation of your actual process model, in real-time.
- Task analytics show the contribution of your human resources to overall process effectiveness and guide those resources in the prioritization of tasks.
- Human workflow can be automated with simple and advanced task routing.
- Task UIs and end-user applications can be built quickly with an integrated composite application framework. WYSIWIG development and a built-in "drag-and-drop" library of 200+ UI controls expedite creation of processes, applications and workflow.
- Fair Isaac business rules management enables users to create, manage and modify rules from their desktop.
- An innovative semantic metadata library facilitates reuse of business services, rules, etc. with rich search capabilities using a common, clear terminology and advanced capabilities for tracking dependencies and investigating impact analysis across process assets.
- Features extensive standards support, including JSR-168, WSRP, BPMN, BPEL, RDF/OWL.
3.27 Telelogic: System Architect

www.popkin.com

Created/Modified: 18.3.2008

License: Commercial, Evaluation can be requested

UML Support: Support includes capturing of requirements, business-level analysis with Use Cases, modeling the dynamics of the system with UML Sequence, Collaboration, State and Activity diagrams, analysis and design of the static structure of the system with UML Class, and Component and Deployment diagrams.

BPEL Support: No?

Public APIs: No?

Eclipse Based: No?

Comments: ?

Their own ad:

Telelogic System Architect – Enterprise Architecture and Business Process Analysis
Do you need to improve your response to changing business environments? Are you looking for a scalable solution that helps you ensure business processes and IT systems achieve business objectives?
Telelogic System Architect®, the industry's leading application for visualizing, analyzing and communicating your organization's enterprise architecture and business process analysis, increases your competitive edge by improving your real-time decision-making. System Architect enables an ‘actionable’ enterprise architecture, one that enhances organizational agility and flexibility by gradually optimizing the organization in manageable time-phased transitions.
Telelogic System Architect is the only product to integrate, in one multi-user environment, support for all areas of modeling, including Business Process Modeling (BPM), component and object modeling, data modeling, and structured analysis and design.

3.28 Metastorm: ProVision™

www.proformacorp.com

Created/Modified: 18.3.2008

License: Commercial, 30days trial available

UML Support: UML is supported, but not even all 1.x diagrams are supported. For example class diagram modeler is missing. Some diagram modelers might not have named after UML.

BPEL Support: Generate BPEL from process workflows
Public APIs:

Eclipse Based: No

Comments: Tools seem rather complicated for beginner. Support exporting and importing for many other tools (Borland Together, Visio, ...).

Their own ad:

Metastorm’s integrated enterprise modeling solutions enable effective visual collaboration for business and IT, empowering the agile enterprise. Our model-driven approach empowers your entire enterprise to clearly see and evaluate the impact of change and continually manage and deliver improved performance.

Understand and manage your enterprise's business and system knowledge
Streamline processes to gain organizational efficiencies
Perform Six Sigma and “what if” analyses on your business processes
Improve your processes with Monte Carlo and discrete event simulators
Identify opportunities for process improvement quickly
Define your strategy, goals, metrics, problems and implementation opportunities
Quickly analyze the impact of process and system changes on data usage
Identify and map service operations to business processes
Generate BPEL from process workflows
Provide clear definitions of system requirements using UML modelers
Build systems that truly reflect the business objectives and goals
Manage your requirements for complex system implementations
Communicate with anyone, anywhere, anytime via a web-server-based repository
Interface with popular tools (Visio, Rational, ERwin, Microsoft Office and XML)
Customize your modeling language (Zachman, Rummler-Brache, DoDAF, UML, or create your own)

3.29 Santeon: XIP BPM Platform

www.santeon.com

Created/Modified: 18.3.2008

License: Commercial, Modeler and simulator can be downloaded for free, download link doesn’t work, though.

UML Support: No

BPEL Support: WS-BPEL 2.0

Public APIs: ?
Eclipse Based: No
Comments: ?
Their own ad:

Business Users Define Processes in Friendly Tool
Business managers collaboratively define processes in a business-friendly graphical tool and then refine them using simulation capabilities. This approach lowers the dependency on the IT staff, accelerates the implementation, lowers risk and optimizes processes prior to execution. Santéon's XIP Business Process Modeling and Simulation is unique in providing two views of processes—business and technical, allowing each area of expertise to work both collaboratively and independently with the tool they need. The Modeler is also smart enough to create executable processes without programming. The tool supports industry open standards for Business Process Modeling Notation (BPMN) and Business Process Execution Language (WS-BPEL 2.0), for organizations who want to create Web Services with a single click. The Modeler also exports to the Santéon XIP Workflow Designer for organizations who do desire a full web services implementation or want more sophisticated features available in the XIP Workflow Designer.

Santéon provides organizations with more choices. The tool can support the level of sophistication or simplicity needed by providing business process modeling, process execution, or export to the XIP Workflow Designer for further tailoring. Your unique needs. Your choice.

3.30 Savvion: Savvion Process Modeler

www.savvion.com
Created/Modified: 18.3.2008
License: Commercial, free demo available
UML Support: No
BPEL Support: No?
Public APIs: No
Eclipse Based: No?
Comments: ?
Their own ad:

Collaboration in BusinessManager™ 7.0 starts with the Process Modeler—a high-quality business process modeling software designed specifically for the businessperson. It takes only a few minutes to mock up a business process. There is no complex configuration. No code. Best of all, Process Modeler is free. Process Modeler is a free, downloadable PC application, which means people can easily put it on their office desktops, a laptop, or their home PCs. Savvion makes it easy for you to jot down some thoughts on a process or sketch out a proposed process and share them with people.

Share Your Business Process Ideas
Sharing improvement ideas is fast with BusinessManager™ 7.0. The Process Modeler is fully integrated with the Savvion Process Asset Manager, which means that any work you do in Modeler can be saved to a common location and reused by other people on your team. This “distributed design” concept lends itself well to teams in different locations. Now people in different offices and those that travel often can check out business process models, make modifications offline, and check in their own contributions for other team members.

Detailed Business Process Simulation
Process Modeler has a built-in simulation system that makes it easy to find opportunities to improve business processes. Once you map out how your business process is working today, you can “run” test scenarios through the system, looking for bottlenecks. The simulation scenarios result in detailed resource forecasts and utilization reports, which help users find solutions. Wondering whether some new hires could make an impact? Sales deals could be routed differently for approval faster? What about outsourcing? With Savvion simulation, peoples’ improvement intuitions can be tested before widespread implementation.

Documented Compliance
During modeling and simulation, BusinessManager™ 7.0 creates auditable documentation of your business process, including a detailed description of the process design. Your organization may need to review and update its processes in response to new government legislation, such as the Sarbanes-Oxley Act of 2002 or the Health Insurance Portability and Accountability Act (HIPAA). Complying with these or other industry regulations may require your organization to significantly revamp existing business processes or put new measures into place. Keeping detailed records of the evolution of your processes helps streamline deployment of compliant IT systems and minimize disruptions.

3.31 Select Business Solutions: Select Architect

[www.selectbs.com](http://www.selectbs.com)

Created/Modified: 18.3.2008

License: Commercial, Free evaluation version available

UML Support: Support for several UML diagrams

BPEL Support: unknown

Public APIs: No?

Eclipse Based: No

Comments: ?

Their own ad:

Select Architect is a scaleable modeling tool for pragmatic Business Process Modeling (BPM), Service and Component Based Development (CBD), Rapid Application Development (RAD), Unified Modeling Language (UML) and database design. Select Architect is widely accepted and recognized as a consistent innovator in the design tools and modeling tools market.
Business Process Modeling, is supplied within Select Architect to clearly communicate the desired business workflows and processes. This ensures that delivered solutions meet the needs of the business and that the impact of change can be easily assessed.

Component Based Development and design is achieved through extensions to UML and integrated component reuse, giving architects abstracted views for solution assembly. This is particularly useful when designing virtual organizations.

The core of Select Architect is a pragmatic UML profile, focused on Component Based Development and business system design. Database design is catered for through Entity Relationship Diagrams, using notations familiar to DBAs and database designers. Finally, free form diagrams are available just in case you need to do something different. Select Architect's approach as a modeling tool is minimalist and easy to learn, while applying industry standards to give you all the tools you need for system design.

Select Architect allows you to model complex IT applications before commencing development, uncovering costly problems earlier in the development life cycle. It also acts as a store for intellectual property, which is invaluable during system maintenance, improvement and integration. Select Architect is the first modeling tool that truly integrates solution design with component design. Unique and groundbreaking features within Select Architect provide genuine business benefits.

3.32 Skelta: Skelta BPM.NET 2007

www.skelta.com

Created/Modified: 18.3.2008

License: Commercial, Evaluation version available for Skelta BPM.NET 2006

UML Support: No?

BPEL Support: No?

Public APIs: No?

Eclipse Based: No

Comments: Web-page doesn’t clearly say if Skelta supports even BPMN. However, tool was mentioned in OMG’s list of BPMN tools.

Their own ad:

**Key Features**

Skelta Enterprise Console - A unified interface for centralized process management.

Process Automation - Advanced BPM workflow software functionality for process analysis, modeling, execution and monitoring

Process Integration - Out-of-the-box connectors for InfoPath, BizTalk Server, and ERP systems such as SAP and Axapta to rapidly integrate processes with other applications.

Process Optimization - Comprehensive BAM dashboards, KPIs and performance analysis allow for continuous process optimization.

Collaboration Features such as queues and calendars for effective resource management

Business Processes and workflow initiation on all SharePoint
events including “ING” events
Centralized process management portals
Enterprise Content Management of company-wide process
Business Intelligence features such as BAM, audit trails, and integration with Excel Services and BDC

100% embeddable workflow framework for rapid integration
XML Variable User Interface/Web Services
Human Workflow Services with queue management, multi-level calendars Support for multiple channels and forms for task delivery and response
Powerful workflow engine with native clustering and active-active load balancing
Seamless integration with Microsoft SharePoint, MOSS 2007, BizTalk Server and other Microsoft technologies

Form Designer
Completely customizable interfaces
Out-of-the-box connectors for InfoPath, BizTalk Server, and ERP systems such as SAP and Axapta
Seamless integration with Microsoft SharePoint, MOSS 2007, BizTalk Server and other Microsoft technologies
Connectivity with any database such as Oracle, MS SQL, or Active Directory
Support for COM, VBScript.NET & JScript.NET

3.33 Sparx Systems: Enterprise Architect 6.5

[Link to Sparx Systems website]
Created/Modified: 14.3.2008
License: Commercial, 30 days free trial

UML Support: Build upon UML 2.1. Supports all 13 diagram types.
BPEL Support: ?
Public APIs: ?
Eclipse Based: ?
Comments: ?

Their own ad:

Highly Capable - High End features at a sensible price
Enterprise Architect is a comprehensive UML analysis and design tool, covering software development from requirements gathering, through to the analysis stages, design models, testing and maintenance. EA is a multi-user, Windows based, graphical tool designed to help you build robust and maintainable software. It features flexible and high quality documentation output. The user manual is available online.

Speed, Stability and Performance
The Unified modeling Language provides significant benefits in helping to build rigorous, traceable models of software systems in a consistent manner. Enterprise Architect supports this process in an easy to use, fast and flexible environment. For a quick look at UML modeling in Enterprise Architect see our UML tutorials and
End-to-End traceability
Enterprise Architect provides complete traceability from requirements analysis and design artefacts, through to implementation and deployment. Combined with in-built task and resource allocation, Project managers and QA teams are equipped with the information they need to help deliver projects on schedule.
Build upon UML 2.1
Enterprise Architect’s foundations are built upon the UML 2 specification – but it doesn’t stop there! Use UML Profiles to extend the modeling domain, while Model Validation ensures integrity. Combine Business Processes, Information and Work Flows in the one model using our free extensions for BPMN and the Eriksson-Penker profile. Keep your stakeholders informed with our free Readonly Viewer.

3.34 Sun Microsystems: Sun SeeBeyond eInsight Business Process Manager

www.sun.com
Created/Modified: 14.3.2008
License: Commercial
UML Support: ?
BPEL Support: support for WS-BPEL
Public APIs: ?
Eclipse Based: ?
Comments: Not much technical information available on their web-site
Their own ad:

Sun SeeBeyond eInsight Business Process Manager
eInsight Business Process Manager layers above eGate Integrator to enable process-driven integration. eInsight Business Process Manager allows business analysts to model, test, implement, monitor, manage, and optimize business processes that orchestrate the flow of activities across any number of web services, systems, people, and partners. eInsight provides an open graphical modeling environment using BPMN (Business Process Modeling Notation) as the graphical modeling notation and BPEL4WS (Business Process Execution Language for Web Services, also known as WS-BPEL) to execute the process. With eInsight Business Process Manager in place, there is no need for employees to manually bridge the gaps between systems: eInsight automates these interactions, accelerates processes, lowers the operational costs, and dramatically improves process visibility and quality. eInsight lets businesses monitor, manage, analyze, and optimize key processes as they happen to satisfy customer demands quickly.
3.35 Sybase: PowerDesigner® 12.5

http://www.sybase.com
Created/Modified: 14.4.2008
License: Commercial, free 15days trial

UML Support: PowerDesigner supports all UML 1.x and 2.0 diagrams and offers advanced object/relational mapping for persistence implementation management. PowerDesigner also supports XML-specific modeling techniques linked to UML and Data models

BPEL Support: BPEL4WS is supported

Public APIs: ?

Eclipse Based: Eclipse, PowerBuilder and Visual Studio plug-ins

Comments: ?

Their own ad:

Sybase® PowerDesigner® is an all-in-one modeling and design solution for enterprises that need to build or re-engineer business applications quickly, cost-effectively and consistently. PowerDesigner 12.5 combines several standard data modeling techniques (UML, Business Process Modeling and market-leading data modeling) together with leading development platforms such as .NET, WorkSpace, PowerBuilder®, Java™, Eclipse, etc., to bring business analysis and formal database design solutions to the traditional software development lifecycle. And it works with over 60 databases and leading development environments including Sybase Workspace, Sybase PowerBuilder®, Java™, the Eclipse open source development environment and Microsoft® Visual Studio®. PowerDesigner 12.5 uniquely adds the ability to include metadata from Extract Transform and Load (ETL) and data federation (EII) tools with database models ensuring more complete impact analysis of changes to the information architecture as well as better documentation support. Sybase PowerDesigner 12.5 also includes complete UML 2.0 support and makes migrating from Computer Associates (CA) ERwin data modeling solution even easier by supporting the latest releases of the CA product.

3.36 Troux™: Metis 3.6 Enterprise Architecture Suite™

www.troux.com
Created/Modified: 12.03.2008
License: Commercial
UML Support: ?
BPEL Support: ?
Public APIs: ?
Eclipse Based: ?
Comments: Not much technical information available on their web-site

Their own ad:

Troux offers an enterprise-scalable, out-of-the-box product suite and platform designed to unlock the full power of Enterprise Architecture and provide one-click intelligence for a variety of decision makers who need IT systems to help them execute IT transformation initiatives.
Unlike point solutions that fail to offer enterprise-wide visibility into technologies, people and processes, Troux offers a truly integrated and rapid time-to-value solution that accelerates the scale and pace of IT transformation:
Troux Product Suite
Troux Applications helps IT catalog and optimize the applications portfolio to streamline applications, reduce costs and support migration strategies.
Troux Standards enables IT simplification by cataloging enterprise applications, providing roadmap reports and identifying non-compliant elements.
Troux eaGov helps government agencies create actionable Enterprise Architecture and comply with constantly changing mandates.

3.37 Visual Paradigm: Visual Architect™

www.visual-paradigm.com

Created/Modified: 12.3.2008
License: Commercial, 30 days free trial
UML Support: No
BPEL Support: Can generate BPEL from BPMN
Public APIs: No
Eclipse Based: No
Comments: Good looking modeler, with plenty of features (such as data flow diagrams and SVN/CVS support)

Their own ad:

Business Process Visual ARCHITECT is a ground breaking business modeling tool designed for visualizing, understanding, analyzing, improving and documenting business processes, document flow and information in your organization. BP-VA supports business process modeling with Business Process Modeling Notation (BPMN), Data or Document flow modeling with a traditional Data Flow Diagram (DFD),
as well as Data Modeling through the requisite Entity Relationship Diagram (ERD). Our cutting edge visual modeling interface greatly reduces the modeling effort while delivering tidy documentation showing how your business is run. Understand, analyze and improve your business process with the most comprehensive BPMN tool at an unbeatable price.

Exchange business process diagrams and models with other tools with industrial standard representation.

Perform modeling collaboratively and concurrently with the VP Teamwork Server, CVS and Subversion.

Share your design with your customers in the most popular document formats (PDF, HTML and MS Word).

Ready for enterprise scale project

Unlike other enterprise modeling tools in the market, you don't have to wait for minutes for the machine to respond; with our unique Lazy-Loading Technology, you can now open a 2000+ class enterprise-scale project within just a few seconds. In this new release, Business Process Visual ARCHITECT employs a fast response and low memory requirement persistence engine, enabling it to handle huge and complicated project structures in a highly efficient manner - and yet it only requires a common desktop configuration. Thanks to the new innovation of our Lazy-Loading Strategy and VP Project Structure, our Teamwork Server can now serve the communications of your project team extremely efficiently in managing your enterprise project development in parallel.

High interoperability

3.38 Singularity Process Platform

http://www.singularity.co.uk/

Modified/Created: 29.02.2008

License: Commercial, Free brochure available

UML Support: ?

BPEL Support: ?

Public APIs: ?

Eclipse Based: ?

Comments: Web-pages doesn’t provide any more useful infomation

Their own ad:

Features
The Singularity Process Platform is a BPM suite that provides an integrated set of components to enable you to redesign, automate and optimize your key business processes. Our differentiators include:

Support for rapid prototyping and solution deployment within 90 days

Market leader in modeling and automating knowledge intensive processes

Comprehensive integration into the Microsoft product stack,
including SharePoint, Office and Exchange

Design Time Features

Intuitive graphical environment to model processes, generate user interfaces, run simulations and more
Standards-based process modeling using BPMN
Graphically model integration to external systems and services
Rapidly generate working prototypes
Market-leader for modeling knowledge-intensive processes (Case Management)
Store re-usable elements like process models, services, rules and forms in the process library
Supports handwriting and shape recognition and electronic white-boarding

Run-time Features

High performance process automation engine that seamlessly links your existing IT systems and smoothly routes work to the right people at the right time
High-quality user interfaces that provide you with the information you need at any time to complete your tasks and gain overall visibility of process performance in your organization
Predictive analytics that let you know when something is going to go wrong before it happens
Alerting and escalation management that help you handle and resolve problems intelligently
Business Activity Monitoring to help you graphically monitor progress and highlight bottlenecks and resource issues
Runtime optimization that ensures work is routed to make most effective use of the resources available, and provides advice on how processes could be automated even better
4 SUMMARY

BPMN tools have huge differences in functionality. The simplest tools provide only basic modeling support for BPMN. More complex, often commercial, products may have BPMN in their products just to extend their Business Process software. Quite often, companies who are making commercial products don’t provide much or any technical information of tools or information is relatively difficult to get. For example personal demo needs to be requested or information needs to be found from 3rd parties.

BPMN tools differs also how BPMN has been seen. For example, Intalio Designer has tightly integrated BPEL to their product and there for made BPMN executable. They have clearly seen BPMN as graphical notation for BPEL and handle them as one entity. There are advantages in this approach, but makes program more complex to use. With some products focus has only been in just BPMN modeling. For example Borland Together has good BPMN modeling tool. BPEL in this tool will be exported from BPMN model. BPEL then needs to be edited with another tool. Approach makes BPMN modeling easier, but requires at least two tools to be used which might make overall work more difficult.

BPEL however is not only way to make BPMN models executable. One tool, at least, included different kinds of tasks, for example Web Service tasks and Script tasks. When task is executed, it might run a script which is made in Java language or call a Web Service.

Some companies support UML in their products also. Some offers support be providing separate product and other companies has integrated both UML and BPMN tools to one product. Version of UML can vary as well, some companies are supporting older 1.x when others are supporting 2.x.
LINKS TO BPMN TOOL INFORMATION SOURCES
