

# ORACLE BUSINESS PROCESS ANALYSIS SUITE

## KEY COMPONENTS AND FEATURES

### COMPONENTS

- Business process architect
- Business process publisher
- Business process server

### RICH AND EASY-TO-USE MODELING ENVIRONMENT FOR BUSINESS USERS

- Design conceptual process maps
- Define goals, KPIs, SLAs, Risk and Control models
- Design detailed flows consisting of automated activities, human workflow, rules, and data (both structured and unstructured)
- Design organizational, data, and IT systems models
- Generate rich reports
- Complete sophisticated impact analyses

### SOPHISTICATED SIMULATION

- Discover process and resource bottlenecks
- Analyze the impact of changes in future processes
- Simulate sub-processes and shared resources

### COMPREHENSIVE SUPPORT FOR ROLE-BASED DEVELOPMENT

- Access control and authentication support for creating workgroups and organize projects across the enterprise.
- Role-based secure work portal for collaboration among business users.

*Careful analysis and continuous optimization of business processes delivers real competitive advantage. Conversely, a random approach to process design negatively impacts a company's bottom line. This insight is one reason successful companies adopt business process management (BPM) as a way of aligning their business processes with business and customer requirements. Success with BPM eliminates the gap between business strategy and implementation. Business users are empowered to participate in all stages of the business process lifecycle. Closed-loop integration between modeling, execution, and monitoring enables continuous and holistic business process improvement.*

### Product Overview

The Oracle Business Process Analysis Suite provides comprehensive modeling, analysis and simulation capabilities for enterprise wide business processes. Oracle Business Process Analysis Suite supports enterprise architecture, process improvement, and change management initiatives and provides for alignment of BPM and service-oriented architecture (SOA) initiatives. In addition, the suite is innovatively integrated with Oracle SOA Suite to provide closed loop BPM capability enabling business analysts and developers to closely collaborate throughout the entire BPM lifecycle using the best tools for their specific needs.

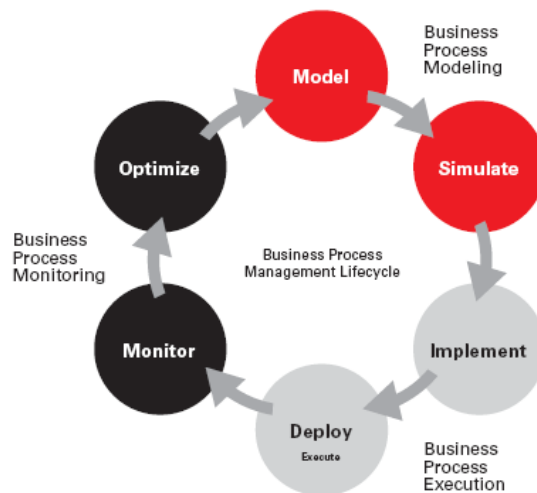


Figure 1. Oracle offers closed-loop integration between Oracle Business Process Analysis Suite and Oracle SOA Suite to address the complete BPM life cycle.

**BRIDGES THE GAP BETWEEN BUSINESS AND IT**

- Meaningful conversion of business requirements to BPEL process definitions.
- Innovative Process Blueprint for synching executable process with the business process model.
- Continuous collaboration of business and IT with intelligent merging of changes done to the process model by business users or developers

**POWERFUL ENTERPRISE BUSINESS REPOSITORY**

- Concurrent user access for collaborative design of business process models.
- Controlled document access through check-in/check out mechanisms.
- Rich Import/Export capabilities.

**PROCESS GOVERNANCE**

- Built-in change management
- Flexible version management
- Built-in access control to restrict access to data and BPA project operations

**COLLABORATIVE PROCESS PORTAL**

- Role-based portal for business user collaboration
- Dynamic publishing of process and related artifacts

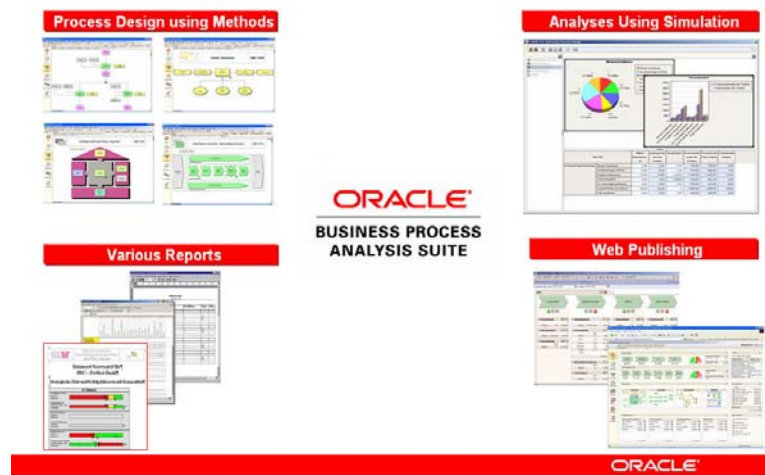
**STANDARDS SUPPORT**

- Comprehensive BPMN support
- Unique BPMN to BPEL mapping

Oracle Business Process Analysis Suite is comprised of four components:

- **Business process architect** for modeling and simulation
- **Business process server** for storing and providing concurrent access to business process models and related artifacts.
- **Business process publisher** for role based presentation of process content to a web portal.
- **SOA extensions** enable you to take business processes from concept to execution by sharing process blueprints with Oracle SOA Suite

**Design, Run and Optimize Your Business Processes**



**Figure 2. The Oracle Business Process Analysis Suite provides process design, simulation analysis, reports, and Web publishing.**

**Comprehensive and Intuitive Modeling Environment for Business Users**

Oracle Business Process Analysis Suite provides a rich and intuitive graphical modeling environment tailored to business users for defining process maps and detailed process flows consisting of both human, automated and rule steps that spans across organizational boundaries. It has extensive support for modeling shared resources such as process-centric roles and organizational structures as well as data and IT systems landscapes. These resource models can be shared across business processes and aligns the BPM initiative with the enterprise architecture initiatives. The tool performs semantic validation of models and provides visual guidance on fixing errors.

**Process Analysis**

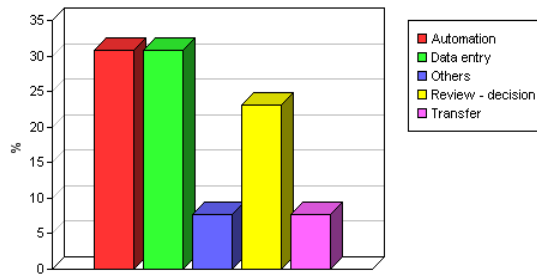
Oracle Business Process Analysis Suite supports sophisticated qualitative and

quantitative analysis of processes. Processes can be evaluated in terms of quality, resulting in performance indicators that can be used for process optimization. Reports make it possible to slice and dice BPA project contents for structural, impact, gap and redundancy analysis of process and related artifacts. A script wizard enables users to create their own reports. Additional analysis options are provided by the Matrix Editor, where relationships between objects can be displayed in table form independent of model type. The tool has extensive simulation capabilities to perform process throughput and performance analysis, activity based costing and resource allocation analysis. Simulation reports are used for comparing the different what-if scenarios leading to the optimal process model for execution.

**KEY BENEFITS**

- Closed-loop engineering between the modeling, execution and monitoring phases for effective BPM.
- Empowers business user to participate across the entire BPM lifecycle.
- Reduce trial and error and improve business process performance through impact analysis and simulation.
- Alignment of business strategy with IT by directly translating business requirements to code
- Promotes rapid development by generating executable code automatically from the model.
- Lifecycle management and governance of business processes
- Automatic generation of reports and documentation
- Open standards support

Function	Frequency				Time per Day							
	Day	Week	Month	Year	including weighting		S/P/O pF		no weighting			
					PT	OT			WT			
check availability of article	20				80	Minute(s)	100	Minute(s)	180	Minute(s)	2200	Minute(s)
check export procedure	44				880	Minute(s)	220	Minute(s)	1100	Minute(s)	2640	Minute(s)
configure car	3				45	Minute(s)	3	Minute(s)	48	Minute(s)	60	Minute(s)
define customer inquiry	3	15			54	Minute(s)	3	Minute(s)	57	Minute(s)	180	Minute(s)
define price for car	0				0	Minute(s)	0	Minute(s)	0	Minute(s)	0	Minute(s)
define tax	7	35			14	Minute(s)	7	Minute(s)	71	Minute(s)	140	Minute(s)
fix customer discount	0,3		5		1	Minute(s)	0,25	Minute(s)	1,25	Minute(s)	15	Minute(s)
register customer inquiry	0				54	Minute(s)	0	Minute(s)	60	Minute(s)	540	Minute(s)
reject inquiry	0			12	0,14	Minute(s)	0,05	Minute(s)	0,192	Minute(s)	1,92	Minute(s)
reject inquiry	0			12	0,14	Minute(s)	0,05	Minute(s)	0,192	Minute(s)	1,92	Minute(s)
reject inquiry	0			12	0	Minute(s)	0	Minute(s)	0	Minute(s)	1,92	Minute(s)
<b>Sum</b>					<b>1128</b>	<b>Minute(s)</b>	<b>342</b>	<b>Minute(s)</b>	<b>1470,634</b>	<b>Minute(s)</b>	<b>5781</b>	<b>Minute(s)</b>
<b>Please note</b>	5 days per week											
The average attributes are evaluated.	20 days per month											
The total sum does not match the process throughput	256 days per year											
PT = Processing time	Reference for calculation of											
OT = Orientation time	daily frequency value											



**Figure 3. Oracle Business Process Analysis supports sophisticated process simulation**

**Process Governance**

Oracle BPA Suite has an inbuilt security model for managing data and operations of BPA Projects. The Administration module is used to manage BPA Project, users, user groups(roles) and their privileges. Diverse roles, with different privileges, can be defined on a project-specific basis. The tool has comprehensive support for version management of process models. Versioning is supported at all levels of granularity ranging from projects to folders to models. The Version Management feature also supports reverting back to an older version, comparing different versions and persists change lists for auditing purposes. The Change Management feature helps to add and track improvement proposals for continuous process refinements.

**Publisher portal – Collaborative process discovery and development**

Oracle Business Process Analysis Suite Publisher provides a secure, role-based, web portal for publishing process and supporting information. Content is displayed to the relevant target group using rights-based and role-based access to process models. This prevents users from being overwhelmed and protects critical process knowledge. All portal content is dynamically generated when the user signs in, minimizing export times and guaranteeing up-to-the-minute information for decision-making and collaboration among business and IT users. The Publisher portal fosters collaboration among business and IT users during the process discovery and process development phases of the BPM life cycle.

### Process Blueprint – Bridging the IT and Business Gap

Oracle Business Process Analysis Suite is innovatively integrated with Oracle SOA Suite to provide process execution and monitoring using a shared meta model called the Process Blueprint to enable complete lifecycle management of business processes. This unique approach enables both business and IT to work off a shared process definition and improves business and IT collaboration.

### Automatic translation of business requirements to SOA composite

Once business decides that a process blueprint is ready for sharing, IT can access and edit it from within their environment. Rich process definitions are generated from the Blueprint promoting rapid and meaningful process automation and reducing the gap between strategy and implementation by translating the business requirements directly to a SOA process composite.

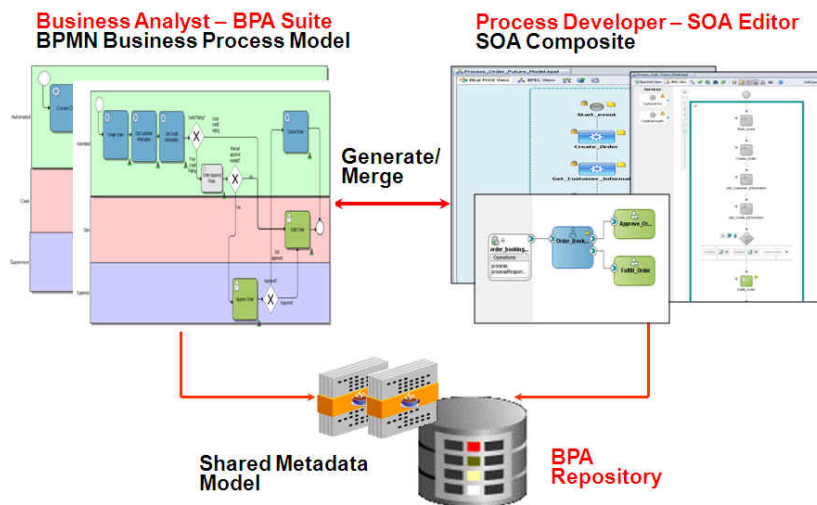


Figure 3. Round trip between Process Architect and the SOA Composite Editor

### Alignment of the business model and IT process

The executable process is always in lock step with the business process model. Business users can create and change business models in Business Process Analysis Suite while IT users can view and modify these processes in parallel using the SOA Composite Designer.

### Business and IT empowerment

## RELATED PRODUCTS

The Oracle Business Process Analysis Suite is part of the Oracle Fusion Middleware product family and a core component of Oracle's business process management solution.

### RELATED PRODUCTS

The following products work with or support Oracle Business Process Analysis Suite:

- Oracle Business Process Management Suite
- Oracle SOA Suite
- Oracle WebCenter
- Oracle BPEL Process Manager
- Oracle Business Activity Monitoring
- Oracle Business Rules

The Blueprint also supports bi-directional synchronization enabling both business and IT to work on the same process at the same time. Business level changes can automatically be merged with any changes done by the developers to ensure that the implemented process represents the expectations of the business users. Further, IT can make changes to the blueprint that then becomes visible to business users as proposals for improvement.

### Business Repository

A business repository holds business artifacts, process and process related metadata such as data, services, organization and roles, supporting applications, and IT systems. It promotes concurrent usage and simultaneous access of several users to the same model via implicit check-in and checkout capabilities.

### Standards Support

Version 11 comprehensively supports the Business Process Modeling Notation (BPMN) 1.1 standard. The models are translated without any loss to BPEL that can then be deployed to Oracle's Process Execution Engine, which is a leading implementation of the BPEL standard

### Requirements and Supported Platforms

Please visit <http://www.oracle.com/technology/software/products/bpa/index.html> for the latest Oracle Business Process Analysis Suite requirements, supported platforms, release notes, and documentation.

### Contact Us

For more information, please visit <http://www.oracle.com/technology/products/bpa/index.html> or call +1.800.ORACLE1 to speak to an Oracle representative.



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