

ORACLE BUSINESS PROCESS ANALYSIS SUITE

KEY FEATURES AND BENEFITS

FEATURES

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, data (structured and unstructured).
- Design organizational, data and IT Systems model
- Rich report generation
- Sophisticated Impact Analysis

Sophisticated Simulation

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

Careful analysis and continuous optimization of business processes can deliver a real competitive advantage. Conversely, a random approach to process design negatively impacts a company's bottom line. This insight is causing successful companies to adopt BPM as a way of aligning their business processes with customer requirements. Success with BPM requires that there is no business strategy to implementation gap and the empowerment of business users to participate in all stages of the business process life-cycle. All of these require closed-loop integration between modeling, execution and monitoring environments for continuous and holistic business process improvement.

Overview

The Oracle Business Process Analysis Suite provides comprehensive modeling, analysis and simulation capabilities for enterprise wide business processes. Oracle BPA supports Enterprise Architecture, process improvement and provides for alignment of BPM and SOA initiatives with strategic objectives. 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 life cycle using the best tools for their specific needs. These products cover every phase of BPM project – from strategic analysis to process design to executing and monitoring the processes. Only continuous BPM can yield sustained competitive advantages and the innovative integration between the two products supports the process of Business Process Management itself.

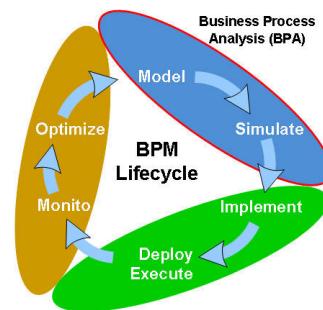


Figure 1: Closed-loop integration between Oracle BPA Suite and Oracle SOA Suite

Oracle BPA Suite is comprised of three components:

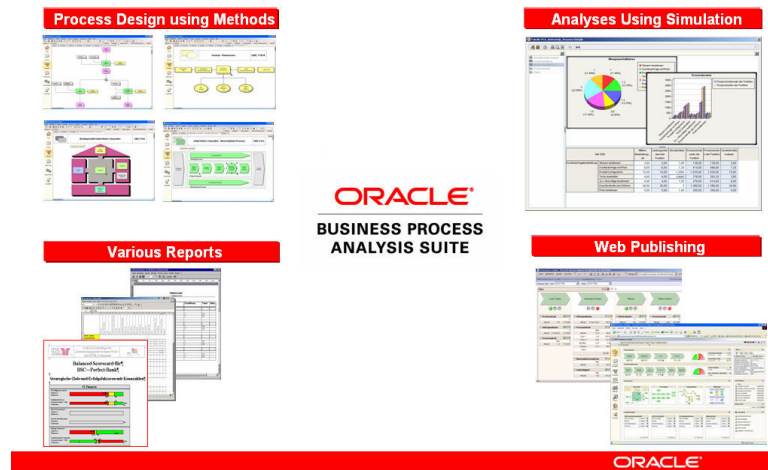
- Oracle Business Process Architect for modeling and simulation

- **Oracle Business Process Server** for storing and providing concurrent access to business process models and related artifacts.
- **Oracle Business Process Publisher** for role based presentation of process content to a web portal.
- **Oracle SOA Extensions** enable you to take business processes from concept to execution by sharing process blueprints with Oracle SOA Suite

Bridging Business-IT Gap

- 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

Design, Run and Optimize Your Business Processes



Process Governance

- Sophisticated Version Management.
- Inbuilt change management.
- Inbuilt access control model for restricting access to data and operations of BPA projects

Figure 1. This picture shows the 4 main components of Oracle Business Process Analysis Suite

Comprehensive and intuitive modeling environment for business users

Oracle BPA 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 BPA 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

Collaborative process portal

- Role-based secure work portal for collaboration among business users.
- Dynamic publishing of

process and process related artifacts

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 report scripts. Additional analysis options are provided by the Matrix Editor, where relationships between objects can be displayed in table form independently 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.

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.

Alignment with Enterprise Architecture initiatives

Function	Frequency				Time per Day							
	Day	Week	Months	Year	Time * daily frequency				S/D/O p/F		Time * daily frequency	
					including weighting						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)	21	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			12	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)
Sum					1128	Minute(s)	342	Minute(s)	1470,634	Minute(s)	5781	Minute(s)

Please note
 The average attributes are evaluated.
 The total sum does not match the process throughput.
 PT = Processing time
 OT = Orientation time

6 days per week
 20 days per month
 256 days per year
 Reference for calculation of daily frequency value

Standards Support

- Comprehensive BPMN support.
- Unique BPMN to BPEL mapping

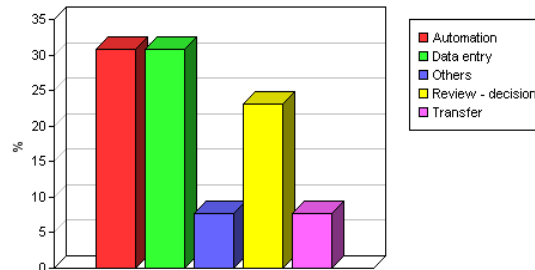


Figure 3: Oracle Business Process Analysis supports sophisticated process simulation

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.

Collaborative process discovery & development using BPA Publisher portal

KEY BENEFITS:

- Closed-loop engineering between the modeling, execution and monitoring phases for effective BPM.
- Empowering business user to participate across the entire BPM life cycle.
- 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.
- Life-cycle management and governance of business processes
- Automatic generation of reports and documentation
- Open standards support

The BPA Publisher provides a secure, role-based, web portal for publishing process and supporting information. Due to rights-based and role-based access to process models, content is only displayed to the relevant target group. 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. collaboration among business and IT users. The BPA 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 IT and Business Gap

The Oracle BPA Suite is innovatively integrated with Oracle SOA Suite (the process execution and monitoring components) through the shared meta model called as the *Process Blueprint* to enable complete lifecycle management of business processes. This unique value-generating approach enables both business and IT to work off a shared process definition.

Automatic translation of business requirements in 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 get generated from the Blueprint promoting rapid and meaningful process automation and reducing the strategy to implementation gap by translating the business requirements directly in to almost ready to deploy SOA process composite.

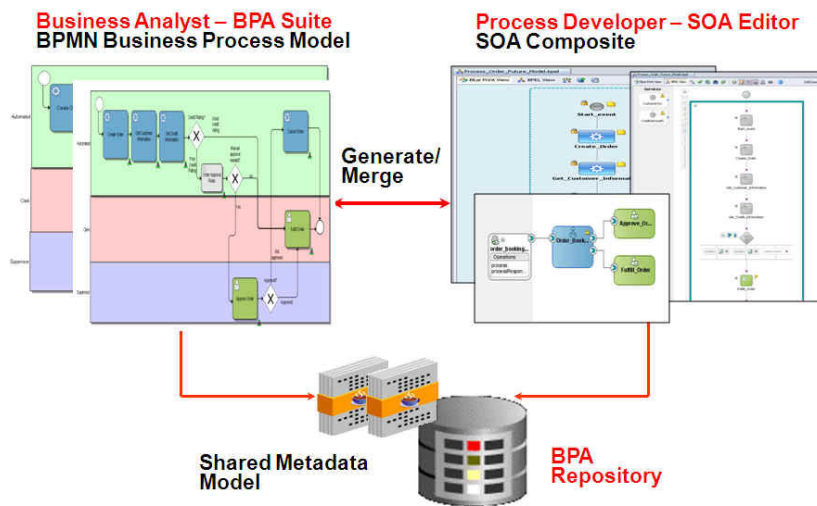


Figure 4: Round-trip between OBPA Architect and SOA Composite Editor

Alignment of 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 the BPA Suite while IT users can view and modify these processes in parallel using the SOA Composite Designer.

RELATED PRODUCT AND SERVICES

The Oracle Business Process Analysis Suite is part of the Oracle Fusion Middleware product family and core component of the Oracle BPM Solution. Related products include:

- Oracle Business Process Management
- Oracle SOA Suite
- Oracle Web Center
- Oracle BPEL Process Manager
- Oracle Business Activity Monitoring (Oracle BAM)
- Oracle Business Rules

Empowerment of both Business and IT: The Blueprint also supports bi-directional synchronizing 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 is inline with the expectations of the business users. Further, IT can make changes to the blueprint that then become visible to business users as proposals for improvement.

Business Repository

Holds business artifacts, process and process related metadata such as data, services, organization & roles, supporting application & 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

The 11 version comprehensively supports 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

Platforms and Requirements

Oracle Business Process Analysis Suite Release runs on the following platforms:

Platforms and Requirements	
Requirements	<ul style="list-style-type: none"> • Oracle Database • Does not require J2EE Application Server
Platforms (OS version)	<ul style="list-style-type: none"> • Oracle Enterprise Linux (4.6, 5.0) • Red Hat Enterprise Linux (4.0, 5.0) • HP-UX (11i, 11i v2, 11i v3) • Sun Solaris (9, 10) • Microsoft Windows (2003, 2008) • VMWare ESX • Note : Only windows & Linux are supported for BPA Architect (client component)
Databases	<ul style="list-style-type: none"> • Oracle Database (9.2.0.4+, 10.1.0.3+, 10.2+, 11.1+) • Oracle XE /olite for BPA Architect (client)
Browsers	<ul style="list-style-type: none"> • Microsoft Internet Explorer (6.0 SP1+, 7.0 (including any service packs)) • Firefox (1.0, 1.5, 2.0)

Contact Us

For more information about Oracle Business Process Analysis Suite, please visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

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