

ARIS SOA Architect

Business success is increasingly about the ability to respond quickly to changing market conditions. Many organizations already practice active business process management to boost their agility, but while this significantly accelerates the speed with which business processes can be modified, there is often a delay before the changes can be replicated at the IT level.

Building on business processes

- Intuitive modeling of business processes in ARIS
- Simple service-oriented detailing of business processes

Transformation of business processes into technical processes

- Conversion of business processes into platform-independent, executable BPEL processes

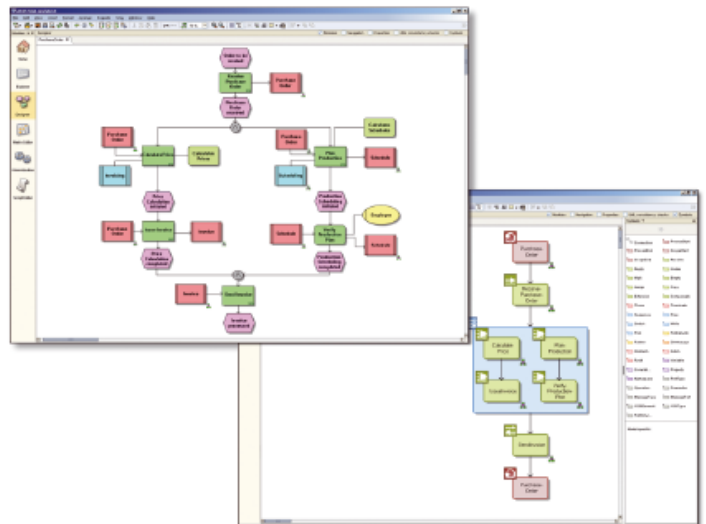
Creation of a comprehensive SOA repository

- Mapping of business process and technical processes in a central repository

ARIS SOA Architect enables companies to convert business processes into executable technical processes. Deriving technical processes from business process structures gives organizations a fast and flexible means of implementing innovative business strategies and the underlying IT processes.

BPM + SOA = Agility

An SOA begins and ends with an organization's business processes. The service-oriented approach opens up new—and importantly, more flexible—opportunities for implementing business process in IT systems. Business process management (BPM) and SOA complement each other here: a clearly defined enterprise architecture allows the flexible implementation and management of high-quality IT business processes. Compared with the current standardized processes built on the functionality provided by packaged software solutions, processes can be designed with significantly greater flexibility and aligned more closely with corporate strategy.



From business process to SOA

The first step in an SOA project is to record the business processes and the supporting IT environment. ARIS SOA Architect is used to verify whether there are appropriate technical services to match the business process activities that need to be supported. Automated mapping of business process steps and service descriptions makes it easy to identify suitable services. The activities contained in the business process are linked to the associated services to create an enhanced technical process structure.

ARIS SOA Architect features automated transformation of enriched business processes into platform-independent, executable BPEL processes. In addition to information on the sequence of activities in the process, the service information now contained in it and the data flow are also included in this transformation. For faster service modeling, a graphic BPEL modeling interface forms part of ARIS SOA Architect.

The BPEL process is then transformed into an XML file and a WSDL file. These files can be transferred to a range of IT systems for implementation and execution.

Thanks to integration of ARIS Process Performance Manager, efficient process execution can be measured in the system on which the process runs. This process monitoring capability makes it possible to evaluate the success of the SOA project and identify any aspects of the IT architecture that need improvement.

A single repository for business logic and IT logic

Combining the business and technical layers of an SOA in a central ARIS repository reveals interdependencies and allows informed intervention. A mouse-click shows which service is used in which process. Thus, if a service fails, there is a way to find out fast which business process is impacted and who needs to be informed with regard to the commercial and IT responsibility. The result is a complete semantic service repository in ARIS. The automatic transformation of business processes into executable BPEL files also greatly simplifies and accelerates the synchronization of business requirements and technical execution.

Benefits at a glance

- Intuitive documentation and modification of business processes
- Automated derivation of platform-independent, executable BPEL processes from business processes
- Continuous process monitoring through optional integration of ARIS Process Performance Manager
- Establishment of a comprehensive SOA repository for all business and technical elements of an SOA
- Enhanced agility that allows a real-time response to changing market conditions