

Business Process Management Excellence with ARIS SOA Architect and Microsoft BizTalk Architect and Microsoft BizTalk

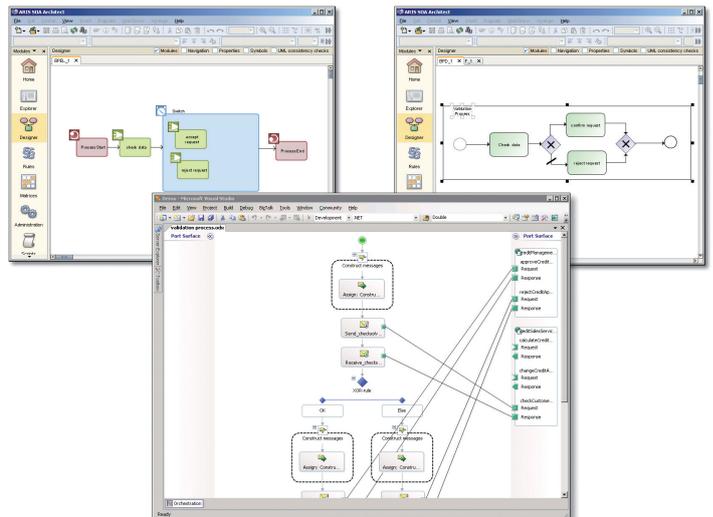
ARIS for Microsoft BizTalk

Business success is increasingly about the ability to respond quickly to changing market conditions with appropriate products and services. Many organizations already practice active business process management to boost their agility, but while special process design and analysis tools significantly accelerate the speed with which business processes can be described and modified, there is often a long delay before the changes can be replicated in the underlying IT environment. ARIS for Microsoft BizTalk enables companies to quickly model business processes and automatically transform them into a Microsoft BizTalk orchestration, which can then be enhanced by software engineers and executed.

From business process modeling to process execution

ARIS for Microsoft BizTalk offers companies seamless integration between business and technical BPM. After quick and easy modeling in ARIS SOA Architect, a process can be exported at the push of a button as a Microsoft Visual Studio BizTalk project.

As one of the world's leading enterprise application integration and system workflow products, Microsoft BizTalk Server enables integration of a wide range of backend systems and is a core component of service-oriented enterprise architectures. It also allows users to define technical business processes (i.e., "orchestrations") and make them available as Web services that can be called as desired. Orchestrations are typically implemented by software engineers in accordance with requirements defined by operational departments. Unfortunately, information is often lost somewhere along the line, which has a negative impact on subsequent process execution.



ARIS for Microsoft BizTalk supports cooperation between operational and IT departments at this crucial point. Non-technical staff model their processes in the intuitive ARIS environment, while IT employees work in the same environment to create technical processes that reflect the business workflows. Thanks to shared use of the central ARIS repository, misunderstandings can be avoided.

Two key methods of transforming a business process into an executable process are supported:

When using an event-driven process chain (EPC) to describe the process flow in graphical form, the process model can be enriched with SOA-relevant aspects, such as calls to Web services or input/output data. Automated model transformation functionality enables a technical BPEL model to be created from the EPC. The model can be enhanced as required (e.g., copying of data).

Alternatively, if Business Process Modeling Notation (BPMN) is the preferred method, a business process diagram can be used to model the process flow and technical details (e.g., sending messages, branch conditions).

When the BPEL or BPMN model is complete, ARIS for Microsoft BizTalk automatically generates a Microsoft Visual Studio project, which can be edited by IT staff. This slashes the time needed to implement new processes because software engineers no longer have to create a new BizTalk orchestration from the ground up. Instead, they simply open the Visual Studio project to quickly access the work already done by the user department and add the required technical details. The project is then compiled, tested, and installed on a BizTalk server.

This tight integration between ARIS SOA Architect and the Microsoft BizTalk environment boosts IT department productivity, saving time and money when implementing processes.

Benefits at a glance

- ▶ Fast, intuitive modeling of business processes in EPC and BPMN.
- ▶ BizTalk-specific model validations ensure successful transformation of a BPEL or BPMN model into a BizTalk orchestration.
- ▶ Automated transformation of EPC models to BPEL, as well as export of BPEL or BPMN as a Visual Studio project for BizTalk.
- ▶ Optional integration with ARIS Process Performance Manager for ongoing process monitoring.

