

SAP ENABLES EASIER MOVE TO ENTERPRISE SOA

GET PROOF THAT ENTERPRISE SOA CAN WORK IN YOUR COMPANY

Many organizations have successfully adopted enterprise service-oriented architecture (enterprise SOA). Others have not yet found the fitting entry point. For newcomers, SAP designed a proof-of-concept service that leverages best practices and lessons learned from enterprise SOA projects around the world.

Today's business and the technology worlds are evolving at a furious pace – and not always hand in hand. To survive and to thrive, organizations must adopt an open, agile, and cost-effective IT infrastructure that can keep up with changing business needs. Enterprise service-oriented architecture (enterprise SOA) is a concept that promises to solve that issue. However, adapting underlying technology to support evolving business processes can be expensive and time consuming due to the lack of necessary skills and inadequate infrastructure. Customers want proof – ahead of time – that enterprise SOA will be effective in their individual situation. To get that proof, they want to validate the technical feasibility of SAP® solutions in an active implementation within a limited time frame and budget – without disrupting their in-place systems.

To make the significant commitment to move to enterprise SOA, what guarantees do customers need? The most critical questions asked by customers are: How can we be sure we will gain the competitive advantages enterprise SOA promises? How do we minimize risk as we adopt enterprise SOA?

Other practical considerations include:

- How do we prove the effectiveness of enterprise SOA for our business processes (and not just the effectiveness of the technical setup)?
- How can we clearly convey the value of enterprise SOA to our key stakeholders, including those in the company's lines of business?

- How do we use out-of-the-box enterprise services from SAP to support our business process?
- How can we make sure our team has sufficient technical and project management skills?
- How can we develop the skills we don't have?

The proof-of-concept service for enterprise SOA on the SAP Discovery system answers all of these questions. Here's a quick preview how: First of all, with the service you get the SAP Discovery system, an evaluation tool for enterprise SOA. The proof-of-concept service takes you further: into evaluating your own business processes, focusing on one, and mapping it to the latest SAP technology and tools on the SAP Discovery system along with, optionally, the SAP NetWeaver® Composition Environment (SAP NetWeaver CE) offering. During the course of the service, you examine up close how you can use enterprise services to forge end-to-end support of your business process across your entire IT landscape. This insight informs you – ahead of time – just how your business processes will operate and profit from the introduction of enterprise SOA. Delivered within a fixed time frame and price, the service is an economical investment with limited risk.



What Is the SAP Discovery System for Enterprise SOA?

The SAP Discovery system is a preconfigured, preinstalled hardware and SAP software landscape – a tool for evaluating enterprise SOA within the comfortable context of your own business.

The Proof-of-Concept Service Takes the Uncertainty Out of Enterprise SOA

SAP offers a proof-of-concept service for enterprise SOA called proof of concept for enterprise SOA on the SAP Discovery system. Using the SAP Discovery system for enterprise SOA, as well as the optional use of SAP NetWeaver CE, the service develops a prototype composite application that supports one of your business processes to demonstrate how efficiently the principles of enterprise SOA can be applied to work for you and for your business.

The SAP Discovery system for enterprise SOA is an out-of-the-box, bundled hardware- and software-based evaluation tool. It comes with a preconfigured, preinstalled hardware and SAP software landscape, prepackaged exercises, demonstrations, and tools – all designed to give you insight into how enterprise SOA works in a real-world environment.

Should you need functionality that extends beyond the scope of this service, we offer add-ons and extensions that further customize the solution. And as with the proof-of-concept service, these are offered within fixed time frames and budgets for transparent budget planning. Using the external connectivity kit for the SAP Discovery system, it is possible

to reflect real customer data by including data from the customer's existing software landscape in the proof-of-concept service.

Proof of Enterprise SOA in Five Phases

The proof-of-concept service begins with a workshop that evaluates your business processes and requirements. One of your business processes is selected and mapped to the appropriate IT solutions delivered with the SAP Discovery system. Then, with guidance from SAP experts, a lightweight composite application is developed within the SAP Discovery system to support the selected business process. This is done by assembling the necessary enterprise services and combining them with a user interface that is customized to integrate the enterprise services with the underlying IT solutions. The proof-of-concept service is composed of five phases:

1. Enterprise SOA in practice, using the SAP Discovery system

This is a high-level overview and hands-on session that acquaints new users with the SAP Discovery system and through it, with the architecture and technical aspects of enterprise SOA. Organizations can begin to identify the potential value of enterprise SOA for their business processes.

2. Requirement analysis and business process modeling workshop

During this workshop, experts perform requirement analyses of the customer's business using a top-down approach. A discreet business process is identified and modeled.

3. Business process to technical process workshop

Technical experts map the selected business process to IT solutions and identify the required enterprise services.

4. Composite application implementation

Developers create a user interface and combine it with the enterprise services to implement software support for a single business process.

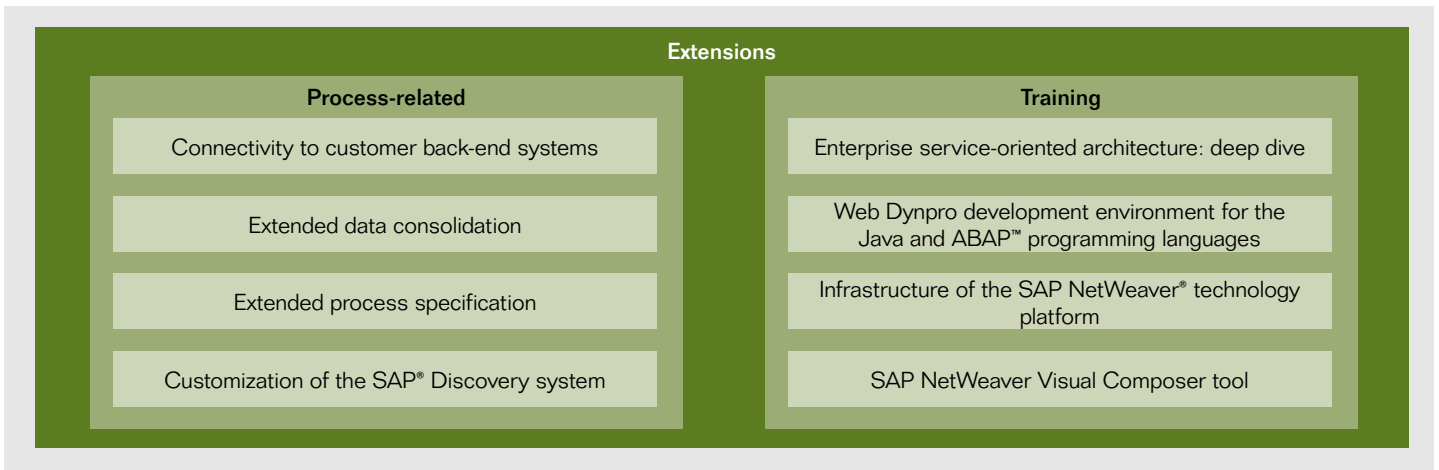
5. Documentation and wrap-up

The composite application that was built to support the business process along with detailed documentation of the results is handed over to the customer.

Scope of Proof-of-Concept Service for Enterprise SOA

In order to assure the successful completion of the proof-of-concept service in the given time frame, a clear scope is defined. The proof-of-concept service for enterprise SOA includes:

- Use of SAP software and development tools delivered as part of the SAP Discovery system and, optionally, the use of SAP NetWeaver CE
- One business process selected and mapped to SAP and non-SAP applications
- Use of up to three standard SAP enterprise services selected from the enterprise services bundles



Add-Ons and Extensions to Customize Your Solution

- Development and use of up to four custom Web services to perform basic business logic, for example, to simulate back-end behavior
- A user interface containing up to five user interactive steps – developed with the Web Dynpro development environment, SAP Interactive Forms software by Adobe, and SAP NetWeaver Visual Composer tool

The recommended scope is pictured in the figure above, however it can be extended or modified based on your needs.

Moving to Enterprise SOA Economically

With enterprise SOA, organizations can more efficiently perform IT operations, plan business strategy, and implement business processes because they have the technology to match their software to their business processes. Taking the first steps towards adopting enterprise SOA can also be quick, easy, and

profitable when you take advantage of the proof-of-concept service. You gain in the following ways:

- Learn how your enterprise can benefit from enterprise SOA ahead of time
- Find out exactly how enterprise SOA can support your business processes within a matter of days and at a low, fixed price
- Enhance IT operations
- Experience the SAP business process platform with no installation or configuration effort required
- Develop the right enterprise SOA skills in your organization

Practical Proof of Enterprise SOA for Your Business

The proof-of-concept service for enterprise SOA on the SAP Discovery system addresses both the business and the technical issues that face customers today. Under guidance from SAP experts or an SAP partner, you can prove the effectiveness of enterprise SOA for your business by building

a lightweight composite application that supports one of your business processes – without getting bogged down in the complexities of the technical setup and hardware sourcing.

For more information about this or other offerings for the SAP Discovery system for enterprise SOA, please contact your SAP representative or visit the SAP Developer Network site at www.sdn.sap.com/irj/sdn/esoadiscovery.

Summary

SAP offers a proof-of-concept service for enterprise service-oriented architecture (enterprise SOA) called proof of concept for enterprise SOA on the SAP® Discovery system. Using the SAP Discovery system for enterprise SOA, as well as the optional use of the SAP NetWeaver® Composition Environment offering, the service develops a prototype composite application that supports one of your business processes to demonstrate how efficiently the principles of enterprise SOA can be applied to work for you and for your business. Delivered by SAP Consulting and partners, the service gives you proof – ahead of time – that enterprise SOA will be effective and profitable for your organization.

Challenges

- Map enterprise SOA to support business processes
- Prove that enterprise services will deliver expected results
- Keep costs predictable using preconfigured and preinstalled SAP software

Services Offered

- Rapid prototyping – Implement within a composite application a business process and software functions selected by the customer
- Planning software enhancements – Evaluate business processes and recommendations to determine where enhancements to your software landscape can do the most good
- Assessing benefits before committing to an implementation – Use proven, best-practice business processes on current business operations to determine if proposed software solution can be effectively and efficiently introduced into your company

Business Benefits

- Use of SAP business process platform with no installation or configuration effort required
- Assurance that enterprise SOA is effective before integrating into the production software environment
- Acquisition of the right skills to adopt enterprise SOA in your organization while implementing a real-life business process

For More Information

To learn more about the SAP Discovery system for enterprise SOA and how it can be applied to benefit your enterprise, visit the SAP Developer Network site at www.sdn.sap.com/irj/sdn/esoadiscovery.

50 089 704 (08/05)

©2008 by SAP AG

All rights reserved. SAP, R/3, xApps, xApp, SAP NetWeaver, Duet, PartnerEdge, ByDesign, SAP Business ByDesign, and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and in several other countries all over the world. All other product and service names mentioned are the trademarks of their respective companies. Data contained in this document serves informational purposes only. National product specifications may vary.

These materials are subject to change without notice. These materials are provided by SAP AG and its affiliated companies ("SAP Group") for informational purposes only, without representation or warranty of any kind, and SAP Group shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP Group products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.