

Construction plan with all
components of service-orientation

SOA Reference Architecture

A service-oriented architecture (SOA) cannot be bought and easily installed like a standard software because SOA stands for an architectural concept. While implementing an SOA, the individual conditions of a company's given IT landscape have to be considered and the intended system architecture needs to be defined. An SOA reference architecture is the construction plan which contains all components and their contribution to service-orientation.

A diligent interlocking and transfer of the business requirements to the IT applications is of fundamental importance for an ideal SOA implementation. A reference architecture based on the existing process and IT landscape can only be defined in conjunction with the architectural model regarding data and service design.

Objectives

- ▶ Mapping of the functional requirements (business processes and functions) to a business oriented reference architecture
- ▶ Examination of the current integration platforms regarding their usage in an SOA
- ▶ Service enabling of existing business functionality
- ▶ Basis of decision-making regarding the realization of process requirements in services or standard applications

Approach

- ▶ Analysis of the IT landscape based on the existing business process support
- ▶ Development of a multi-tier reference concept (blueprint), which precisely pictures the essential components of an SOA and their interaction and dependencies
- ▶ Analysis of existent systems regarding their ability to service-orientation for a standardized provisioning of internal and external services
- ▶ Definition of common communication standards of integration platforms and middleware respectively
- ▶ Implementation of a service layer which serves as a backbone and enables an adaptive integration and process automation consisting of fundamental important components like the Enterprise Service Bus, Service Registry und SOA Repository

SOA Reference Architecture

Benefits

The service-oriented reference architecture defines a customized target architecture adapted to service-orientation. On the way to this architecture it is necessary to determine which integration functions can be realized by using existing systems or by developing new components.

The benefits and potential of existing and future services can be evaluated by using a reference architecture which allows an ROI examination of future investments in service-oriented architecture.

Further IDS Scheer SOA Consulting Services

- ▶ SOA Pilot
- ▶ SOA Governance
- ▶ Software Service Blueprint
- ▶ SOA Strategy
- ▶ SOA Expert Advisory

Why IDS Scheer?

- ▶ Long-term, established competence in realizing service-oriented architectures by using the IDS Scheer Best Practice ARIS Value Engineering for SOA
- ▶ SAP Special Expertise Partner for Enterprise SOA in Germany and member of the SAP Enterprise Service Community
- ▶ Exclusive partner of HP and Oracle for SOA and tight collaboration to IBM and Microsoft
- ▶ Over 20 years of experience in business process management
- ▶ Long-term competence in Enterprise Application Integration
- ▶ Industry-specific expertise in selecting, modelling and implementing business processes within the scope of SOA
- ▶ Expertise in service enabling of existing business functionality on various platforms

SOA with IDS Scheer

You have questions about SOA Reference Architecture or you want to find out more about the advantages of a Service-oriented Architecture?

We will be glad to answer your questions – also by carrying out a workshop in your company.

Please contact us by E-mail: soaconsulting@ids-scheer.com

