IBM Information Management **software**

IBM Software Services: Information Services Architecture Workshop

Highlights

- **Define information service components and implementation guidelines to enable Service Oriented Architecture (SOA) service interfaces**

- **Help ensure that appropriate information services for your SOA implementation align with the business and IT requirements for your organization**

- **Define a realistic roadmap and approach that lays out the steps to be taken to implement the architecture**

- **Transfer skills into your organization to enable you to own and evolve the information services architecture and roadmap**

Your business challenge
Businesses face a multitude of challenges when trying to make information available throughout the organization in a consistent and trustworthy manner. Some of those challenges include:

- *Ensure that new services are created properly to represent the business view of integrated data from legacy systems into SOA business processes*
- *Plan an operational data store (ODS) to provide real-time access to integrated data from disparate data sources*
- *Try to create the practice and technology of providing business and IT with the capability to define and link master data in a way that includes definition, reference and metadata in a secure and high-quality manner*

- *Provide unified access to all of your data, limiting redundancy across lines of business*
- *Manage large amounts of unstructured data that is shared between organizations within the enterprise*
- *Meet challenging deadlines for standards and compliance requirements, often without easy access to all the necessary data from your systems*

IBM Services Solution
The IBM® Information Services Architecture Workshop is a component of a larger IBM SOA Architecture Engagement, but it also can be delivered as an individual workshop. This workshop is designed to support an SOA initiative that focuses on the role of Information Management technology in the enablement of SOA Services. It uses the IBM Services Oriented Modeling and Architecture (SOMA) methodology to bridge the gap between flexible business models and IT environments brought about by SOA in an effort to bring business and IT closer.

Our architects understand the business drivers of SOA and the importance of information services in developing successful architectures to support them. We bring significant experience to your situation, including knowledge of methods, techniques, technologies and potential inhibitors and risks. We can help define the recommended target information management component architecture as well as help create a roadmap to implement that architecture through appropriate pilot projects, business projects and other activities. The team can also provide guidance to help understand the implications of governance and other organizational impact. Your staff will benefit and learn from our experience with many other organizations facing similar issues, and will be better placed to evolve the architecture.

Benefits

- *Benefit from our experience helping other organizations define and build information services architectures for SOA with new technology*
- *Define information services architecture consistent with your business drivers and organizational objectives*
- *Develop a realistic roadmap to drive the information services architecture from concept to reality*
- *Closely align business objectives and IT projects*

Typical activities

The engagement begins with an initial organizational meeting where the specific activities—including roles and responsibilities, workshops and deliverables—required to perform the detailed architecture and design are defined and agreed upon. Once the details of the engagement are defined, the next steps include four modules.

Understanding SOA information services capabilities. This initial module focuses on understanding your specific SOA needs at a detailed level:

- *Review your business drivers and identify pain points; understand the existing organization and IT environment*
- *Introduce enabling SOA services with information technology and categorize each component based on its strategic differentiation*

- *Relate the workshop to the overall SOA engagement*
- *Review previous SOA architecture input*
- *Define specific activities such as workshops and deliverables required to complete the definition of the architecture*

Using information services architecture patterns. This module helps you explore and define:

- *Background and concepts of architecture and best practices*
- *Overview of information architecture patterns*
- *Information integration patterns*
- *Master data management patterns*
- *Case study of one service area*

Analyzing SOA services related to information sources. Several important aspects of this module include:

- *Identify data services architecture following Information Management best practices aligned with existing and strategic SOA for your organization*
- *Identify sources related to the set of services portfolio*
- *Define non-functional requirements associated with services and associated data sources: volumes, rate of change, usage constraints and so on*
- *Explore the quality of the data involved*
- *Deploy a selection of services that are closely associated with one or more information sources*

Service interface and logical modeling.
Activities within this module include:

- *Identify attributes of service interfaces*
- *Identify and resolve key data consisten-cies and integration at a logical level*
- *Identify appropriate industry stan-dards and correlate to interface definitions as appropriate*
- *Plan a roadmap to take these forward to the next stage of development, which may include identifying key proof points for a future proof of concept, resource planning for a possible pilot project or full-scale production imple-mentation*

Applicable products
The offering applies to many IBM soft-ware products and solutions, so those appropriate for the engagement will be advised based on the work performed during these workshops.

Your responsibilities
- *Identify a sponsor at the appropriate level within your organization*
- *Provide access to key personnel*
- *Provide access to existing documenta-tion, architecture design and project plans*

Duration
This customizable service offering typi-cally consists of one to three weeks of collaboration with your team on-site at your location to execute the four workshop modules. Some additional time, usually up to one week, may then be spent offline preparing reports and documentation. While the pilot project definition will also typically be carried out with you during this time, the length for the pilot itself is subject to the com-plexity and size of the solution required.

For more information
To learn more about IBM Software Services offerings, contact your IBM marketing representative or visit **ibm.com**/software/data/ondemandbusiness/index_coe.html

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