

## IBM WebSphere Services for SOA Governance

*Delivering maximum value throughout your SOA lifecycle with SOA Governance*



this is where WebSphere® software can really help.

### **WebSphere Software for Effective SOA Governance**

IBM Software Services for WebSphere can help design and implement a variety of software-related SOA Governance efforts. We will approach your SOA Governance opportunity from a solutions perspective while complementing the WebSphere software-specific efforts we have traditionally delivered.

We bring you a proven mix of industry-leading products (WebSphere Service Registry and Repository Advance Lifecycle Management edition, WebSphere Process Server, WebSphere DataPower® and more), reusable assets (including governance models, sample lifecycles, recommended policies) and methodologies (such as IBM SOA Governance Management and Method, Service Oriented Modeling and Architecture and others) for approaching SOA Governance. These initiatives focus on empowering your SOA delivery activities by reducing risk and strengthening your overall solution lifecycle. IBM Software Services for WebSphere can help you initiate your SOA Governance project on a solid foundation and expand as your needs evolve, across your enterprise or across the globe. Our offerings drive effective SOA governance.

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### **Highlights**

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- ***Initiate your SOA Governance efforts on a solid foundation and expand as your needs evolve***
- ***Achieve business and IT strategy alignment, efficient and effective decision making, increased process flexibility and reduced IT maintenance costs***

### **Navigating the SOA Governance Landscape**

Service Oriented Architecture (SOA) brings a variety of benefits to an organization, including the ability to enhance the flexibility and agility of its solution lifecycle. These changes affect a variety of development and operational processes. Given that such processes lay at the core of how solutions are delivered, proper governance over their planning and execution is a must.

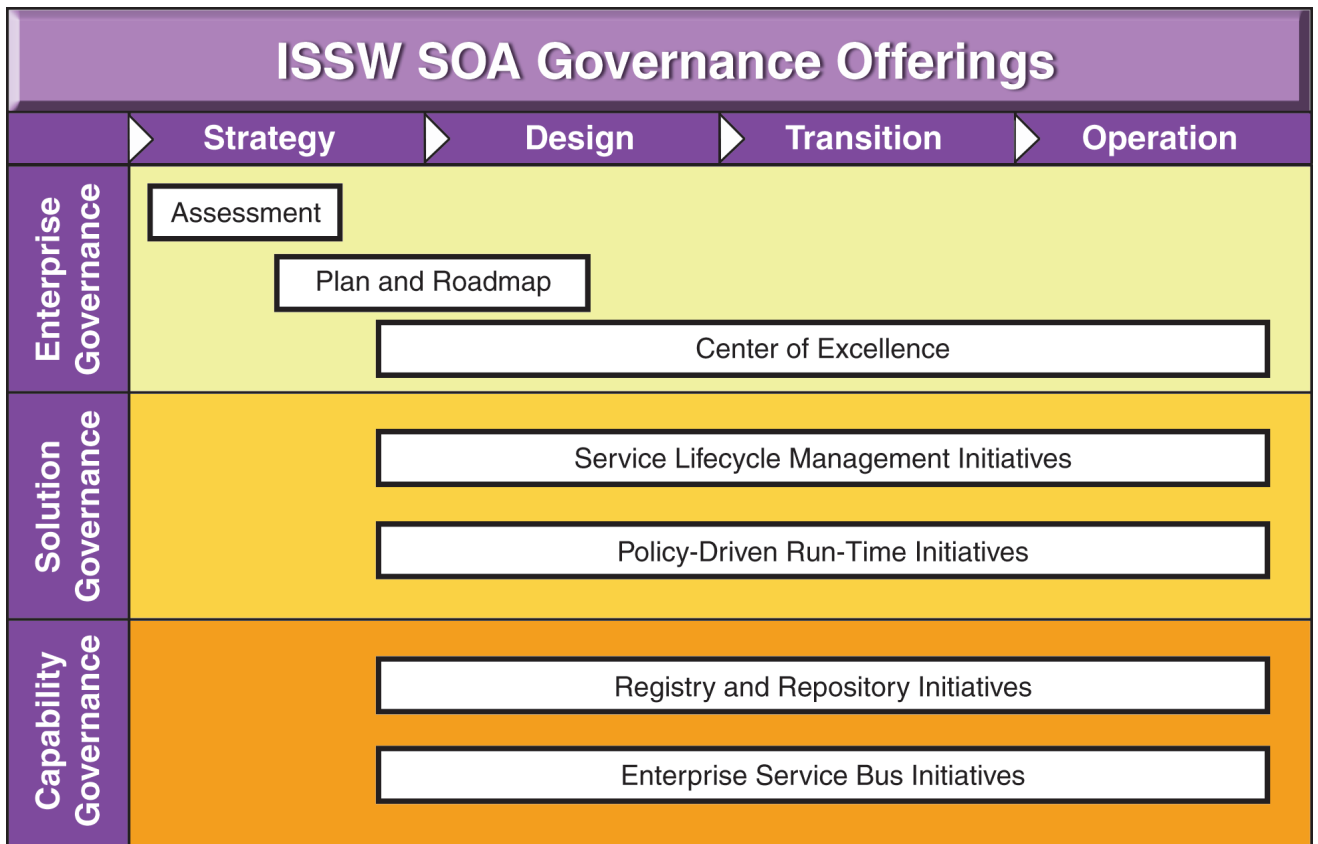
SOA Governance is about ensuring that the right environment (decision rights, control points, policies) is defined for the successful architecture, construction and operation of SOA solutions. This is accomplished through a focus on the *governing* activities (e.g., compliance) that need to be in place to support the processes that need to be *governed* (e.g., service definition). Both create a synergy that helps define a governance model. Within this context, many activities can be automated—

- The *SOA Governance Assessment for Software Initiatives* offering assesses your SOA governance strengths and weaknesses in the context of your strategic and tactical goals. It uses a proven maturity model to help measure a variety of key governance capabilities and position the software products that help automate and enable your governance needs. This assessment can be executed at the start of an SOA transformation or at any particular time throughout.
- The *SOA Governance Planning and Roadmap for Software Initiatives* offering builds upon a previous capability assessment and delivers a roadmap of how and when those capabilities should be fulfilled, including its enabling software product set. It empowers your company's strategic and tactical plans through the explicit inclusion of cornerstone governance activities that lead to the enhancement of the overall resilience of your SOA solutions.
- The *SOA Governance Center of Excellence for Software Initiatives* offering centralizes skills and practices across your organization, encouraging the efficient deployment of products, reuse of recommended practices and proper definition of relevant policies. It also provides a point in the organization where ownership of assets (such as development standards and guidelines) can be placed outside of individual projects.
- The *SOA Governance for Service Lifecycle Management Initiatives* offering focuses on the design and runtime of service lifecycle management solutions. For example, at build time, development efforts can benefit from having a standards-based asset management solution. At runtime, service-based solutions can take advantage of an integrated runtime repository. This allows for the efficient management of the various lifecycle elements composing an SOA solution, from development to operations.
- The *SOA Governance for Policy-Enabled Runtime Initiatives* offering enables the definition of cohesively designed and operated environments controlled in large part through well-defined and managed policies. This allows for the further decoupling of variability logic from business components, strengthening a company's ability to deliver resilient and flexible solutions.
- The *SOA Governance for Registry and Repository Initiatives* offering provides a variety of service governance activities, including the definition of service lifecycles, service dependencies and versions. When bundled with a repository, it enables service metadata to be more precisely defined and efficiently stored, helping in the management and assurance of service behavior.
- The *SOA Governance for Enterprise Service Bus Initiatives* offering delivers various governance activities to maximize the value of the Enterprise Service Bus (ESB) investment by addressing ESB service onboarding determination, mediation design techniques, the definition of roles and responsibilities and the relevant installation and configuration efforts.

### **Your Business Benefits**

SOA governance can enable organizations to maximize the business benefits of SOA, which can include aligned IT and business strategies, efficient and effective decision making, increased process flexibility and reduced IT maintenance costs. SOA governance also mitigates many of the business risks inherent in SOA adoption by establishing decision rights, guiding the definition of appropriate services, managing assets and measuring effectiveness.

To begin architecting your foundation for SOA Governance, IBM Software Services for WebSphere positions SOA Governance offerings within three classification schemes and four lifecycle stages. This is done to help match your particular need with the right offering set.



The diagram does not imply any particular execution order or the usage of all offerings at a particular point in time. Such specifics will be defined once your needs are analyzed. For example, if the current situation is one in which an SOA roadmap has not been defined, offerings within the Enterprise Governance area will help. If the key effort is really to address a focused need, like service discovery, then offerings within the Capability Governance grouping will fit. Furthermore, if there is a governance need (e.g., Enterprise Service Bus deployment) at a particular lifecycle stage (e.g., operation), specific governance tasks within the relevant offerings can be tailored accordingly.

The Governance categories (represented by the horizontal bands) provide a mechanism to group offerings along the same conceptual level. They include

- Enterprise governance—offerings focus primarily on assessment and planning activities to support software realization roadmaps. They help define the overall SOA governance functionality landscape. These offerings provide the enterprise-level guidance driving the more finer-grained activities in the other two levels.
- Solution governance—offerings encompass compilations of governance capabilities needed to satisfy common business needs (e.g., Service Lifecycle Management). These offerings are composed of capability groupings that provide value-add activities necessary for the delivery of resilient SOA solutions.
- Capability governance—offerings focus on the realization of individual building blocks, for example,

Registry and Repository (which in turn could be used as one of the components within a Service Lifecycle Management solution). They represent the more atomic of the categories, grouping offerings that can be delivered independently or combined into solutions within an enterprise-scoped roadmap.

The lifecycle phases (represented by the vertical bands) indicate generic stages in the life of a service-based effort. They group particular SOA governance activities to be realized through the offerings. For instance, a center of excellence initiative might have a strategy-focused set of tasks, together with a variety of tasks addressing operational governance.

### **Education**

IBM offers a number of courses to complement SOA Governance, enabling you to get the most out of your WebSphere software investment. For additional IBM course information, please visit the following URL:

**ibm.com**/websphere/education

### **Duration**

The duration and resources of our SOA Governance offerings have flexibility in terms of delivery and scope. For example, we can deliver one- or two-day workshops, overview sessions, one-on-one briefings, or customize an engagement to fit your needs. And each of these offerings can be used in conjunction with other IBM Software Services for WebSphere offerings, such as QuickStarts, to complement your existing governance efforts such as product realizations.

### **Contact**

To discuss your specific needs or to find out more about the value that IBM Software Services for WebSphere can offer, please locate your IBM Software Services Sales Specialist at the following URL:

**ibm.com**/developerworks/websphere/services/contacts.html

To find out more about SOA Governance, please visit the following URL:

**ibm.com**/soa/gov



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