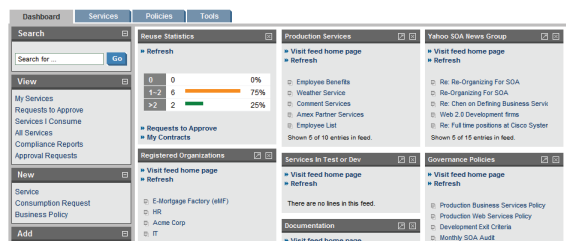


TIBCO ActiveMatrix Lifecycle Governance Framework

SOA has the potential to transform both IT and business into more agile organizations, resulting in better business outcomes. But the promise of SOA introduces risk and can be disruptive to IT, because it brings new technologies, methodologies, and levels of complexity. A key way to mitigate the risk and disruption is to embrace SOA governance at the start. SOA governance is a critical and foundational aspect of all SOA initiatives. As Gartner Research has observed, "Governance is not an option but an imperative." While SOA governance requires a commitment from the IT organization to embrace SOA governance practices, it can be facilitated and simplified by the use of SOA governance technology, which can foster collaboration and automate key processes and best practices for easier organizational adoption. To be effective, SOA governance technology must cater to the entire service lifecycle, from service design to service operation to service retirement. TIBCO provides an end-to-end governance solution with TIBCO ActiveMatrix® Lifecycle Governance Framework and TIBCO runtime products such as TIBCO ActiveMatrix® Policy Manager for operational policies such as authentication/ authorization access to services and TIBCO ActiveMatrix® Service Performance Manager for operational monitoring and management of services to ensure service levels are met.

TIBCO ActiveMatrix Lifecycle Governance Framework includes an SOA registry and repository foundation as the "system of record" for your enterprise SOA and a rich set of governance capabilities enabling SOA visibility, trust, and control. ActiveMatrix Lifecycle Governance Framework helps enterprises transform business needs into service ideas and service deployments in the most effective and efficient manner.

Information dashboard builds visibility and trust.



What is a complete lifecycle governance platform?
Attain visibility, streamline collaboration, automate, where possible.

Lifecycle management for end-to-end control

- Promote services through lifecycle stages
- Enable impact, version, and change management

Control management for consumer-provider relationships

- Formalize consumer-provider relationships
- Negotiate and manage agreements on an ongoing basis, facilitate change

Design-time policy management for best practice automation

- Create and maintain design principles
- Validate SOA artifacts (WSDL, SOAP, XSD, WS-I Basic profile, etc.)
- Reduce duplication of services, faster re-use where valuable

Information management for visibility and reporting

- Model relationships and dependencies
- Report on SOA success metrics: Compliance, use, and re-use
- Publish and discover services and related metadata, including policies

Standard-based interoperability with an SOA-aware ecosystem



Components of a complete lifecycle governance platform

AT A GLANCE

TIBCO ActiveMatrix Lifecycle Governance Framework is a comprehensive, innovative SOA governance software platform that includes an SOA registry and SOA repository foundation as the "system of record" for your enterprise SOA and a rich set of governance capabilities enabling SOA visibility, trust, and control.

BENEFITS

- Includes a flexible, powerful service catalog for publishing and discovering business services, related metadata, and impact analysis.
- Displays, both graphically and textually, role-based views into SOA information and captures the user experience through automated processes.
- Provides a rich registry and repository platform for exposing Really Simple Syndication (RSS), ATOM, rich and Universal Description, Discovery and Integration (UDDI) query capabilities with built-in and extensible reporting.
- Includes a fully standard UDDI v3 registry for seamless interoperability with the SOA ecosystem.
- Has rich capabilities, including graphical taxonomy and customization editors, for organizing and managing SOA information.
- Includes capabilities for negotiating consumer and provider contracts throughout the lifecycle of establish, update, and deprecate. This results in greater trust between service consumers and providers.
- Encourages trust-based reuse through service discoverability, rogue services detection, and by providing a detailed understanding of service attributes through graphical and textual navigation.
- Provides best-practice-based automation and control over the service lifecycle including service candidacy, QA and test, deployment, version management, and deprecation.

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ATTRIBUTES & CAPABILITIES

- **Information management for visibility and reporting:** Information management includes all the capabilities to support the flow of critical SOA governance information to the key stakeholders and decision makers. Key capabilities include:
 - Publish and discovery: Provides a basis for capturing and managing metadata, relationships, service and artifact versioning information, and service and artifact descriptions within a flexible and searchable service catalog with notification and subscription for change management.
 - Graphical navigation and search: Enhances the user experience to easily navigate and find key information about services, artifacts, versions, and dependencies for service consumption and change management decision making.
 - Customizable reporting: Customizable reporting capabilities enable the creation and generation of a variety of key reports for measuring various facets of SOA, including portfolio and policy conformance, service adoption, and re-use.
- **Design-time policy management for best practice automation:** Automates the process of validating architectural consistency, drives service lifecycle decisions and promotion, enables registry and repository integrity, facilitates the establishment and validation of design-time policies, and drives interoperability and conformance of services and their associated artifacts throughout the service lifecycle.
- **Contract management for consumer-provider relationships:** Establishes a methodology and process for service consumers to request service consumption and for service consumers and providers to negotiate and agree upon conditions for service and operation use and service-level expectations, reducing conflicts and misaligned expectations and enabling

proactive communications of SOA changes. ActiveMatrix Lifecycle Governance Framework's contract management also seamlessly supports processes and metadata for contract versioning, contract cloning, contract lifecycles, and contract deprecation.

- **Lifecycle management for end-to-end control:** Manages the state changes of a service as it evolves across its lifecycle from design and candidate services, through testing and staging, and to deployment and operations. ActiveMatrix Lifecycle Governance Framework supports policy-driven lifecycle stage promotion as well as owner-driven promotional stage advancement and supports both individual and group ownership of service lifecycles. Through integration with test and quality management products, quality and testing events can also drive lifecycle promotion activities. Lifecycle management helps all SOA stakeholders understand the impact of service changes.
- **Standards-based interoperability with an SOA-aware ecosystem:** ActiveMatrix Lifecycle Governance Framework is designed to effectively drive service lifecycle governance across heterogeneous SOA environments. Items of note include:
 - ActiveMatrix Lifecycle Governance Framework supports a fully standard, replicable, and embeddable UDDI v3 registry for standards-based integration and discovery of services.
 - Governance Interoperability Framework (GIF): GIF represents the most widely adopted set of specifications for SOA governance interoperability available in the industry. GIF compliance provides ActiveMatrix Lifecycle Governance Framework with easy interoperability with downstream run-time tools.

STANDARDS

- UDDI
- BPEL
- SCA
- WSDL

Complementary Products for Operational Governance

- TIBCO ActiveMatrix Policy Manager
- TIBCO ActiveMatrix Service Performance Manager

TIBCO Software Inc. (NASDAQ: TIBX) technology digitized Wall Street in the '80s with its event-driven "Information Bus" software, which helped make real-time business a strategic differentiator in the '90s. Today, TIBCO's infrastructure software gives customers the ability to constantly innovate by connecting applications and data in a service-oriented architecture, streamlining activities through business process management, and giving people the information and intelligence tools they need to make faster and smarter decisions, what we call The Power of Now®. TIBCO serves more than 3,000 customers around the world with offices in more than 20 countries and an ecosystem of over 200 partners. Learn more at www.tibco.com.



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