TIBCO ACTIVEMATRIX POLICY DIRECTOR

AT A GLANCE

TIBCO ActiveMatrix® Policy Director provides policy-based governance of services and applications in service-oriented architecture (SOA) environments.

KEY FEATURES

- **Accelerate time-to-market** by enabling policies to be defined independently from service implementation
- **Increase agility** by allowing policies to be applied dynamically and immediately across the SOA environment
- **Reduce complexity** by managing governed services and policies centrally from a web-based interface – independent of service implementation
- **Enhance flexibility** and facilitate service reuse by allowing policies to be modified for different contexts without changing its implementation
- **Lower maintenance costs** by leveraging a single administrative platform to enforce security and logging policies across various technologies
- **Enable last-mile security** while reducing network latency by eliminating the need for a proxy
- **Shorten development time** by negating the need to embed security-related code into service definitions
- **Reduce risk** by enforcing policies consistently across SOA services regardless of location or underlying technology
- **Lower costs** by implementing security, regulatory requirements, and service-level agreements faster

Services in SOA environments are implemented to expose reusable business logic. This business logic will be used in different contexts and need to be adapted to comply to security, logging or other cross-functional requirements. Adding code to comply to these requirements in the service implementation makes reuse extremely difficult, and any update on security, regulatory compliance across the organization becomes highly time-consuming.

**Dynamic Policy Management**

TIBCO ActiveMatrix Policy Director provides a flexible, cost-efficient approach. Decoupling business logic from cross-functional requirements, it allows policies to be centrally defined and enforced as rules across groups of services – enabling more effective and consistent governance of runtime behavior within an evolving distributed environment.

Unlike policy management tools that require a distributed database, this platform is event-oriented and highly scalable.

What this means: it dynamically adjusts with services, policies, and architectures as they evolve by adapting enforced policies as soon as a change in architecture or configuration is captured.

**How It Works**

From a single, web-based interface, users can define and enforce policies across groups of services without writing code – enabling faster implementation of security, regulatory requirements, and service-level agreements (SLAs) across the organization.

Deployment is handled by a real-time distribution engine that then propagates policies to all enforcement points and deploys across the necessary exposed services.

Steps:

1. Discover and group services to which policies must be enforced. Object groups can be static or dynamic: services that fulfill predefined conditions will be automatically added over time.

2. Configure policies from packaged templates to create governance controls and define scope. Templates include: authentication, authorization, credential mapping, and logging.

3. Associate governance controls with object groups and deploy via the web interface or the command line tool.
ATTRIBUTES & CAPABILITIES

Object Groups

With ActiveMatrix Policy Director, policies can be enforced across groups of services. Groups can be defined manually, or based on rules, and managed visually through a graphical web-based interface.

First Class Proxy Application

Users can provide a WSDL from a service and rapidly enforce new policies. Generating a proxy of the service with the relevant enforceable policies, it checks compliance with rules from object groups.

If cleared, policies can be dynamically and instantly enforced with the push of a button.

Policy Distribution Engine

Built on a scalable messaging architecture that ensures communication between agents, proxies, and the central server, policies can be instantly propagated to agents and proxies as soon as they are applied to object groups. Any new agent is immediately declared in the central server.

In turn, this distributed architecture can apply policies across thousands of services in a large-scale SOA environment.

Seamless Integration with TIBCO ActiveMatrix BusinessWorks

Leveraging an embedded agent, users can apply policies to TIBCO ActiveMatrix BusinessWorks™ web services without changing the process logic. Policies can also map security credentials from ActiveMatrix BusinessWorks to Security Assertion Markup Language (SAML) and vice versa.

Graphical and Command Line Interfaces

Whether you’re used to a graphical user interface or prefer a command line, you can use either to easily define and enforce policies.

Most functionalities available via command line come enterprise-ready (incl. automation in scripts, integrated tools and procedures for automated deployments, and enterprise monitoring).

Standards

- WS-Security 1.1, SAML 2.0
- SPNEGO/Kerberos, SiteMinder 12, XACML PEP
- WS-Addressing, WS-RM
- IPv6, SOAP 1.2

Support for Security and Logging Policies

- Authentication
- WS Security
- Credential Mapping
- Authorization By Role
- Logging

About TIBCO

TIBCO Software Inc. (NASDAQ: TIBX) is a provider of infrastructure software for companies to use on-premise or as part of cloud computing environments. Whether it’s optimizing claims, processing trades, cross-selling products based on real-time customer behavior, or averting a crisis before it happens, TIBCO provides companies the two-second advantage® – the ability to capture the right information at the right time and act on it preemptively for a competitive advantage. More than 4,000 customers worldwide rely on TIBCO to manage information, decisions, processes and applications in real time. Learn more at www.tibco.com.