

TIBCO ActiveMatrix Policy Manager

With service-oriented architecture (SOA), applications are composed out of reusable services built with different technologies that run on different machines. This makes deployment and management challenging. Implementing security, auditing, and logging; maintaining uptime; and meeting service level agreements are often performed differently on each platform and hard coded. Not only does this result in more development work. These differences make the services harder to change, reuse, and manage.

TIBCO ActiveMatrix™ Policy Manager enables organizations to centrally define policies for security, auditing, logging, and service level agreements. It separates a service's business logic from these policies and replaces policy hard-coding with more flexible rules. This separation allows organizations to apply policies uniformly across all services regardless of location or underlying technology such as Java or .NET. It also means companies can implement security, regulatory requirements, and service level agreements much faster than before because changes are no longer required to the existing applications. This results in much greater flexibility, lower costs, and the ability to deliver applications that are driven by the rules of the business.



TIBCO ActiveMatrix Policy Manager provides a more flexible and cost-efficient way of implementing security and meeting regulatory requirements and service level agreements by separating the definition and enforcement of these policies from the services themselves.

AT A GLANCE

TIBCO ActiveMatrix Policy Manager enables companies to centrally define policies for security, auditing, logging and service level agreements as rules and to enforce policies consistently across services built on Java and .NET or in custom and packaged applications.

BENEFITS

- Enables business and IT service level, regulatory, or security requirements to be rapidly implemented as rules without requiring changes to existing service-oriented applications.
- Increases service flexibility by replacing rigid code with rules-based policy management.
- Promotes service reuse by allowing the same services to have different policies for different consumers.
- Increases control over service infrastructure and reduces risk by consistently enforcing policies such as security, auditing, logging, and routing across services.
- Ensures that business and IT service level agreements are met by applying and enforcing rules-based service-level policies across services.
- Reduces complexity in development and operations by providing a complete governance solution across Java, .NET, legacy, and packaged applications.



ATTRIBUTES & CAPABILITIES

Policy Management for Heterogeneous SOA

ActiveMatrix Policy Manager enables uniform policy management across a variety of technologies and architectures. It can enforce policies using a combination of distributed, proxy-based agents that intercept all service requests and embedded agents that execute in-process with the service. TIBCO's proxy-based agents can manage any service including external services hosted on application servers or services exposed from legacy and packaged applications. ActiveMatrix also provides embedded agents for Java, .NET, TIBCO ActiveMatrix BusinessWorks™, and TIBCO ActiveMatrix™ Service Bus.

Rich Set of Pre-Built Policy Templates

ActiveMatrix Policy Manager includes a broad range of policy templates that are used within the TIBCO ActiveMatrix™ Administrator console to graphically configure policies, including: Administrators can also design custom policies as XML templates for special requirements based on message content, header, or custom instrumentation.

- Authentication
- Authorization
- Encryption
- Digital signatures
- Credential mapping
- Sensor response
- Load balancing
- Failover
- Routing
- Versioning
- Logging

Built-In Governance

ActiveMatrix provides built-in support for defining, deploying, and managing services, including built-in support for policy management. All policy management is done within TIBCO's common administrative console, ActiveMatrix Administrator, and integrated with the rest of the service infrastructure to make policy management easier.

- Administrators can automatically discover and introspect services hosted in ActiveMatrix or browse UDDI registries such as TIBCO ActiveMatrix™ Registry.
- ActiveMatrix can automatically synchronize service and policy information in its repository with registries.
- Administrators can drill-down in ActiveMatrix Administrator from policies to service details including performance information and logs.
- Policy management is built on ActiveMatrix common logging, which synchronizes logs across components.

Simplified Definition of Rules-Based Policies

ActiveMatrix Policy Manager includes an Ajax-based plug-in to ActiveMatrix Administrator that makes it easy to graphically define policies for distributed services. The policy management plug-in provides a unified view of policies and services with drop-down menus and drag-and-drop operations for configuring different policies and choosing the deployment options such as embedded or proxy-based enforcement.

Automatic Policy Provisioning

ActiveMatrix Policy Manager automatically distributes policies to those endpoints running related services by dynamically applying filters based on service characteristics. It intelligently identifies what policies need to be deployed to each distributed node in the grid, and automatically redeploys policies each time services are (re-)deployed or policies changed.

Supports Leading Security Standards

ActiveMatrix Policy Manager supports leading third-party LDAP and identity management systems and leading security standards and protocols including WS-Security, XML Signature, XML Encryption, and SAML.

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