



## ATTRIBUTES & CAPABILITIES

**AutoMediate:** Enables organizations to onboard numerous services simultaneously, with just a few clicks. There is no requirement for multiple configuration steps or coding. This eliminates point-to-point integration.

**Security:** Manage secure communication across disparate systems and services. For instance, organizations can apply security policies (such as encryption, logging, etc) for specific transaction-based interactions.

**Version management:** As partners offer additional functionality via new versions of services, having a service bus enables organizations to quickly route their requests to newer versions of these services without any modification to their current services infrastructure.

**Transport bridging:** Organizations can use one communication protocol internally, such as JMS, and communicate with partners via another protocol, such as HTTP/HTTPS, without having to change their internal communications patterns. ActiveMatrix Service Bus does the transport bridging to convert from one protocol to another.

**Ease of use:** The design environment is based on TIBCO Business Studio™, a unified, Eclipse-based environment for TIBCO products. Mediation creation and debugging is based on a zero-coding environment with minimum configuration.

**Location and transport transparency:** Any service hosted on ActiveMatrix Service Bus can change its hosted location or communication protocol in a manner that is transparent to the consumers of the service.

**Extensibility:** In addition to standard mediation tasks, such as routing, transformation, logging, etc., the ActiveMatrix Service Bus wizard can be used to create custom tasks to meet special requirements.

**Monitoring and management:** Supports monitoring and management at the infrastructure level as well as at the granular level of a mediation service.

**Not limited to web services:** Enables onboarding of adapters, JMS applications – anything that can be represented using WSDL.

## ARCHITECTURE

- An underlying grid-based architecture makes it possible to scale up (by adding multiple instances of ActiveMatrix Service Bus to the same JVM) and out (by adding multiple instances of ActiveMatrix Service Bus across JVMs, or on different machines) dynamically at runtime and on commodity hardware. The mediation layer can scale to meet high availability and fault tolerance requirements.
- Policy enforcement is built in. Rather than having a separate component (proxy agent) bolted on top of the mediation layer, baked-in policy enforcement ensures fewer moving parts to manage, resulting in fewer security loopholes.
- The underlying infrastructure leverages TIBCO's proven JMS-based messaging technology, TIBCO Enterprise Message Service™.
- Separation of transports from services allows the transport bindings (such as JMS or HTTP) to scale independently.
- All TIBCO ActiveMatrix products are based on a common underlying infrastructure. This makes it easy to add services infrastructure support such as orchestration, integration through TIBCO Adapters™, hosted services, and governance in a seamless manner, on top of an existing implementation using ActiveMatrix Service Bus. This enables organizations to start small with mediation and grow their SOA infrastructure as needed.

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