

## The First Open, Platform-Agnostic and Complete SOA Integration Suite

### Unified, Open, Platform-Agnostic:

Vitria's M<sub>3</sub>O ESB offers an open, application server-neutral architecture that enables you to choose the best SOA technologies that fit your requirements and avoid costly lock-in to proprietary platforms. With its platform-agnostic architecture and ESB mediation capabilities, M<sub>3</sub>O ESB leverages existing investments in J2EE application servers and other ESBs. It is built from the ground up to provide comprehensive support for open J2EE standards and interoperability with the world's leading SOA technologies. M<sub>3</sub>O ESB supports full XA compliant transactions which is unique. This means that with M<sub>3</sub>O ESB, you are able to run transactional applications via the ESB without having to write custom code to force-fit XA compliance.

*1-Button Deployment:* M<sub>3</sub>O ESB allows you to deploy an application to any application server with a single click of a button right from the Eclipse Modeler. Most other ESBs don't support such easy deployment to multiple application servers.

### Process Modeling and Orchestration:

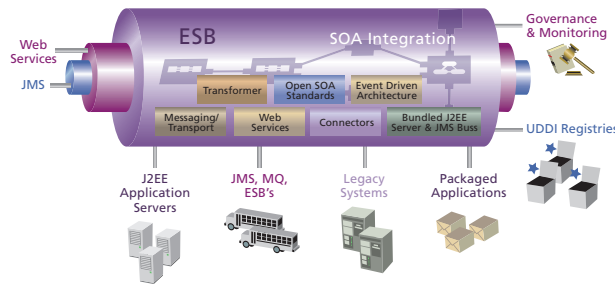
M<sub>3</sub>O ESB can orchestrate enterprise services through long-lived and short-lived processes. New processes that orchestrate existing processes can be easily modeled as well. Typical ESBs have light weight orchestration, i.e. they support sequencing of web services. With M<sub>3</sub>O ESB on the other hand, you are able to take existing processes and expose them as web services for consumption by other ESBs or combine them with other processes to generate more complex processes. This process-level orchestration is unique to M<sub>3</sub>O ESB. These services may be exposed through a variety of standards-based synchronous protocols, such as HTTP, RMI, and Web Services, or can be asynchronously invoked through a variety of standards-based messaging platforms.

### Connectivity and EAI:

M<sub>3</sub>O ESB includes source-event enabled connectors for communication with external applications including legacy systems, transport layers, databases, packaged applications (ERP, CRM, etc.) and connectors to customer applications which are implemented using JCA 1.5. This rich set of connectors will enable you to achieve unrestricted sharing of data and business processes among any connected application or data sources in the enterprise.

### Event-Driven Architecture

M<sub>3</sub>O ESB uses process models which contain information defining the logic for discrete business processes. Process models embody the business rules by which objects (such as a customer order) are processed across business systems in a well defined, logical manner. Process models are event-driven; that is, they define the behavior of an automated system in response to well defined events that occur in the business scenario. Support for Event-Driven Architecture means that you gain better process visibility and real-time response, analysis and alert mechanism.



### M<sub>3</sub>O ESB Features

- ▶ Open, Uniform, Platform-Agnostic
- ▶ Process Modeling and Orchestration
- ▶ Connectivity
- ▶ Event Driven Architecture

### Key Benefits

- ▶ Faster time-to-market
- ▶ Lower TCO
- ▶ Unlock & enhance the value from legacy systems
- ▶ Avoid vendor lock-in
- ▶ Gain freedom to choose the best SOA technologies
- ▶ Start fast and scale to reduce business risk
- ▶ Improve Process Visibility
- ▶ Application Composition

### Supported Standards

- ▶ SOAP, WSDL, XML
- ▶ WSI-Profiles, WS-Eventing, WS-Addressing
- ▶ WS-Security, WS-Transactions, WS-AT
- ▶ BPEL, UDDI, XPath
- ▶ J2EE, JCA, JMS, JMX
- ▶ Eclipse

# M<sub>3</sub>O Enterprise Service Bus

## Feature-Benefits



Feature	Benefits
Open Agnostic ESB	Leverages existing investments in heterogeneous infrastructure. Provides flexibility to use best-of-breed and open source technologies. Offers an agnostic architecture with portable process models across different J2EE servers.
Connectivity & ESB Mediation	Leverage existing investments using powerful ESB mediation capabilities to mediate across multiple J2EE servers and different ESBs.
Comprehensive, open standards-based SOA	<ul style="list-style-type: none"><li>▶ Comprehensive support for creation and deployment of WSDL/SOAP based web services.</li><li>▶ Support for SOA, Web Services, BPEL, WS-I, UDDI, J2EE, JCA and JMS standards.</li><li>▶ Web Service standards supported - WS-Security, WS-Transaction and WS-*</li></ul>
Event-driven Architecture (EDA)	Gain process visibility using robust event-driven integration capabilities to support integration with asynchronous, event-driven applications. Enable real-time response, analysis and alerts.
Business Vocabulary Management (BVM)	Lowens the cost and complexity of integration by providing the capabilities for managing common data vocabulary across the entire business process. It manages, validates and transforms data in different formats and standards. It enables faster deployments by offering syntactic data format validations, rule-based semantic validations to ensure information compatibility and out-of-the box, industry specific transformations.
Unified Modeling	Improves developer productivity by offering integrated modeling environment for system-to-system as well as human-oriented processes to provide a single expandable and collapsible view of the process application with top-to-bottom drill down capabilities.
Component Modeling	Enables project teams and administrators to easily model, test, deploy and manage the components that comprise a complex solution. Provides component architecture to enable easier and faster assembly of new process models by exposing existing models as components. Provides capabilities to visualize interaction between components and manage the components life-cycle.

For more information on how Vitria's M<sub>3</sub>O Operations Book can make a positive impact on your business, contact a Vitria expert at +1 (408) 212-2700 or [moreinfo@vitria.com](mailto:moreinfo@vitria.com)

## Vitria M<sub>3</sub>O ESB supports...

### Application Servers

- ▶ RedHat JBoss
- ▶ IBM WebSphere
- ▶ BEA WebLogic

### Connectivity

- ▶ HTTP / HTTP(S)
- ▶ File, FTP / FTP(S)
- ▶ SOAP / WSDL
- ▶ EJB RMI
- ▶ MQ, JMS
- ▶ Email
- ▶ RDBMS
- ▶ BusinessWare 4
- ▶ 300+ additional technology, protocol & application connectors

### Platforms

- ▶ RedHat Linux
- ▶ MS Windows
- ▶ Sun Solaris
- ▶ IBM AIX

## About Vitria

Vitria Technology, Inc. is the industry's leading privately-held BPM and integration technology company. The company has a rich heritage as a pioneer of BPM that spans more than a decade. Vitria's award-winning process integration solutions provide the backbone for many Global 2000 companies' mission-critical business processes. Vitria has customers in North America, South America, Europe, Asia, and Australia.

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