Evoking your Integration Infrastructure using webMethods Mediator

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Agenda

• Solving the Integration Problem
• Challenges with Services
• The SOA Mediation Solution
• Introducing webMethods Mediator
• Common Use Cases supported by Mediator
• Mediation in the webMethods Suite
Mediation is Timeless ...
The Integration Problem

- CRM
- Fulfillment
- Materials Management
- Product Catalog
- Inventory Management
- Order Management

- Point-to-Point Integration
- Complex interdependencies
- Brittle, hard to maintain interfaces
- Tightly Coupled Systems
The webMethods Integration Solution

- Service-Oriented Integration
- Shield systems from change
- Reusable building blocks
- Decouple Publishers and Subscribers

- CRM
- Fulfillment
- Materials Management

- Product Catalog
- Inventory Management
- Order Management

Integration
Integration Use Cases

- CRM
- Fulfillment
- Materials Management
- Product Catalog
- Inventory Management
- Order Management

Integration

- Send Order
- Update Customer
- Process Material
- Moving Data for Synchronization
Service-Oriented Approach to Integration

- Leverage Integration Services for Reuse
- Integration Infrastructure is a Service Provider
- Build Process-Centric and Multi-Channel Applications
Challenges with Services

- Point-to-Point Service Interfaces
- Complex interdependencies
- Perpetuating the same problem
- Tightly Coupled Systems
The webMethods Service Mediation Solution

- Mediated Service Interfaces
- Enhanced Quality of Service
- Shield Systems from Change
- Decouple Consumers and Providers
Mediation Use Cases

- Get Order Status
- Track Product Shipment
- Perform Credit Check
- Accessing Data for Applications

Order Portal
Order to Cash Process
Mobile App

SOA Mediation
Order Status
Inventory Check
Credit Check
SOA Mediation

The main drivers

Your Needs

- Respond to Business Faster
- Reduce Operational Risk
- Save Development Cost and Time

Our Approach

- Simple, code-free, configuration
- Enable consumption of shared services, service consumer and providers
- Intelligent reuse of services

The Results

- Increased developer productivity and time-to-market
- Reduce IT complexity
- Cut costs and create a value-driven IT culture
Introducing webMethods Mediator
SOA Manifesto guiding principles include:

1. Separate the different aspects of a system that change at different rates

2. Evolve services and their organization in response to real use

3. Reduce and publish all dependencies to increase robustness and reduce the impact of change

SOA Guiding Principle #1

1. Separate the different aspects of a system that change at different rates

- Enforce Security Policies
- Enforce Service Level Agreements
- Alert based on Service Performance
SOA Guiding Principle #2

2. Evolve services and their organization in response to real use

- Shield Consumers from backend service changes
- Route Service Request
- Monitor Service Consumption
SOA Guiding Principle #3

3 Reduce and publish all dependencies to increase robustness and reduce the impact of change

- Manage multiple versions of the service
- Maintain Protocol & Format Independence
- Ensure Location Transparency
Mediation in the webMethods Suite
Where does Mediation fit in?

webMethods Mediator

webMethods Integration Server

Technology

Legacy

B2B

BPMS Application

HR Portal

Multi-Channel Apps

B2B Cloud Service Providers

SAP

ORACLE

COBOL
Where does Mediation fit in?

- Business Services
- Multi-Channel Service Access
- Shared Services
- Cloud Services
Mediation in Integration

- Declarative Service virtualization
- Policy Enforcement for all Services
- SLA enforcement and reporting
- Native Mediation solution
Mediation in Process Improvement

- **Process and data mediation**
- **Enforce operational policies for all services**
- **Distribute process load across multiple service providers**
- **Reduce dependencies between processes and underlying services**
Mediation for SOA Governance

Govern service consumption
Runtime policy enforcement
Automatic consumer provisioning
Integrated Governance with CentraSite
Deployment Scenarios: webMethods Mediator and Integration Server

**Mediator and IS on different machines**
- Mediate wM IS and 3rd party services
- Heavy performance requirements

**Mediator and IS are co-located**
- Mediate primarily wM IS services (Local Optimization)
Three things that you can do tomorrow

1. Identify Services that could benefit from Mediation
2. Design Runtime Governance Policies that could add value
3. Make sure Mediation is on your SOA Infra Roadmap
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Thank You!