SECTION 4

SOA BEST PRACTICES

Integrated SOA Best Practices

- ☐ **Governance Automation** ensures *scalability* of:
  - ■ Enterprise processes implementing a lifecycle management workflow to implement development approval processes
  - ■ Integrated provisioning and lifecycle management
  - ■ Inter-departmental contract management and negotiation.

- ☐ **Uniform Policy Management** ensures *consistency* of the following through all stages of lifecycle and across all distributed and mainframe platforms:
  - ■ Policy definition
  - ■ Enforcement
  - ■ Validation
  - ■ Audit

Source: *SOA Software, Inc., 2008.*

Integrated SOA Best Practices Cont'd

- ☐ **Metadata Federation**
  - ■ Provides seamless, heterogeneous SOA Governance and standards-based support for governance automation
    - ☐ UDDIv3
    - ☐ WS-MEX
    - ☐ WS-Policy
  - ■ Ensures that governance processes are uniformly applied across all platform investments
  - ■ Helps to expose the business value of a service (cost, usage, production issues) across the enterprise service lifecycle

Source: *SOA Software, Inc., 2008.*

Integrated SOA Best Practices Cont'd

☐ **Service Virtualization** provides:

- ■ Location-transparency

- ■ Service mobility

- ■ Impedance tolerance

- ■ Reliable service delivery

- ■ All of the above without requiring a re-platforming of existing platforms

- ■ All of the above without introducing yet another service platform to support the required solution architecture

Source: *SOA Software, Inc., 2008.*

Integrated SOA Best Practices Cont'd

- ☐ **Trust and Management Mediation**
    - ■ Ensures interoperability across disparate partners and platforms
    - ■ Ensures trust enablement and trust mediation complementing threat prevention systems
    - ■ Provides last-mile security, metric collection and reporting, SLA monitoring and management
    - ■ Ensures that services are governed, managed, and secured
    - ■ Ensures that policy implementation and mediation to allow consumers to communicate with a wide range of mission critical business services are exposed from any platform.

Source: *SOA Software, Inc., 2008.*

Integrated SOA Best Practices Cont'd

- ☐ **Continuous Compliance and Validation**
  - ■ Ensures consistent policy implementation
  - ■ Ensures enforcement across all stages of the lifecycle
  - ■ Preserves the fidelity of the governance models, structures and mechanisms supporting enterprise SOA programs
  - ■ Ensures relevance, applicability and suitability of services
- ☐ **Change Impact Mitigation**
  - ■ Provides change management and impact analysis processes
  - ■ Processes are integrated with the governance workflow to ensure that changes to services or other assets don't cause major outages by breaking the consumption model

Source: *SOA Software, Inc., 2008.*

Integrated SOA Best Practices Cont'd

☐ **Consumer Contract Provisioning**

- ■ Provides offer, request, negotiation and approval workflows for service access, capacity, SLA and policy contracts
- ■ Ensures that the service providers know which applications and users are consuming their services
- ■ Allows providers to treat different consumers with different priorities and service levels

Source: *SOA Software, Inc., 2008.*