CentraSite - WSO2 - Governance
IF4050 - Service-Oriented Architecture

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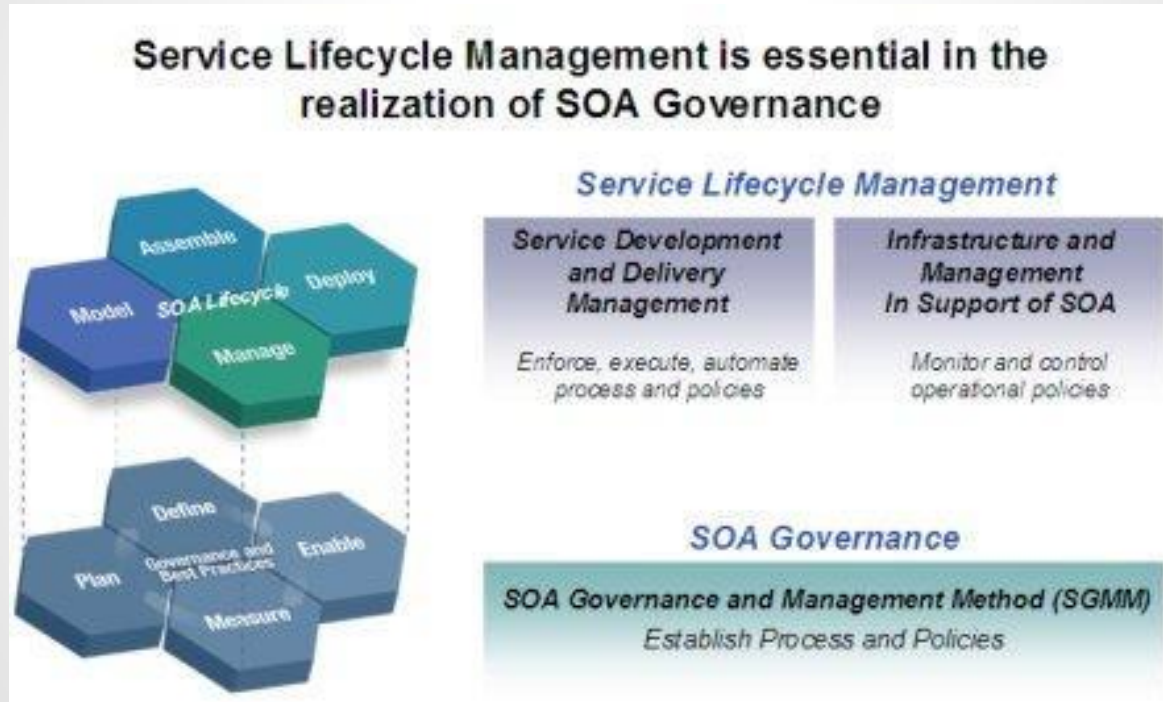
- SOA Governance
- CentraSite
- WSO2 Governance

SOA Governance

→ A concept used for activities to exercising control over services in SOA solutions.

Key components (IBM):
- Organizational change → to support SOA
- Service lifecycle management → next slide
- Enforcement → ensure the service policy is followed
- Quality → create end-to-end process for development
- Policy → manage the rules associated with services
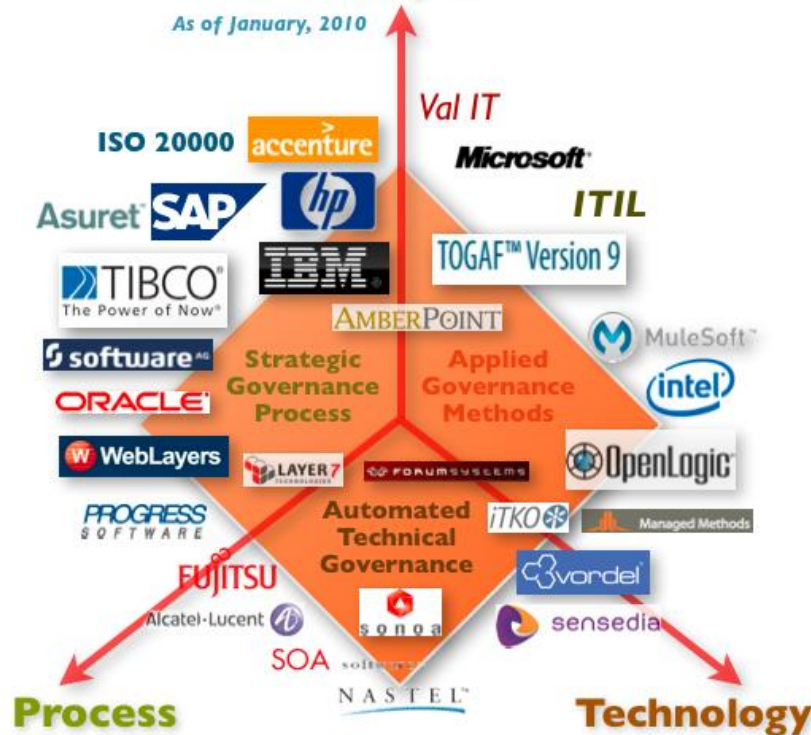- Security → who is allowed to own and access services

Service Lifecycle Management

A Map of Modern
SOA Governance:
The Providers, Tools, and Methods

People

As of January, 2010

Val IT

ISO 20000 accenture   Microsoft

Asuret SAP hp   ITIL

TIBCO
The Power of Now®   IBM   TOGAF™ Version 9

AMBERPOINT   MuleSoft™

software AG   Strategic   Applied
              Governance Governance   intel
ORACLE   Process   Methods

WebLayers   OpenLogic

              LAYER7   FORUMSYSTEMS
PROGRESS
SOFTWARE   Automated   iTKO   Managed Methods
              Technical
FUJITSU   Governance

Alcatel-Lucent   vordel

              sonoa   sensedia
SOA   softw...
        NASTEL™

Process   Technology

ebiz From http://www.ebizq.net/blogs/enterprise by Dion Hinchcliffe

CentraSite

CentraSite → Lifecycle Management Tool and Enterprise Catalog
"Ensuring SOA success with effective, automated control throughout lifecycle"

- APIs
- SOA
- Related assets

Feature
CE vs Full Version

Feature	CE	Full Version
Registry	X	X
Repository	X	X
Catalog Features	X	X
- Browse Assets	X	X
- Publish Assets	X	X
- Keyword Search	X	X
- Advanced Search	X	X
- Version Asset	X	X
- Impact Analysis	X	X
Supporting Documents Library	X	X
My Favorites	X	X
Notifications	X	X
Design/Change-Time Policies	-	X
Approvals	-	X
Interoperability with Policy Enforcement Points	-	X
Run-Time Policies	-	X
Virtual Services	-	X
Web Service Quality-of-Service Monitoring	-	X
Lifecycle Management	-	X
Federation	-	X
Logging	-	X
Organization Management	X	X
Users, Groups, Roles Management	X	X
Taxonomy Management (Custom Taxonomies)	X	X
Asset Type Management (Custom Asset Types)	-	X
Reporting	X	X
Eclipse-based GUI	X	X
Browser-based GUI (CentraSite Control)	X	X
Business User focused Web UI (Business UI)	-	X
JAXR, WebDAV, XQuery APIs	X	X
UDDI API	X	X

CentraSite Main Features

1. Integrated registry / repository
CentraSite unifies registry / repository which provides company a single system of record for information regarding SOA assets and SOA governance artifacts.

2. Active policy management
CentraSite allows company to create policies that can automatically engage (reduce the approval and monitoring bottleneck)

CentraSite Main Features (Cont.)

3. Full lifecycle management
CentraSite automates design-time, run-time, and change-time governance in a highly integrated environment, providing one system of record.

4. Extensibility
CentraSite ships with pre-loaded functionality including policies, best practices, metadata models, and user roles. The solution is also easily customizable to accommodate unique policies and practices and existing IT governance constructs.

CentraSite Preloaded Policies and Best Practices

- Metadata validation
- WS-I Compliance Check
- WSDL Validation
- Asset Certification
- Approval Workflow
- Setting Attribute Values
- Entity Promotion

- WS-Security
- Monitoring & Alerts
- Routing
- SLAs
- Depreciation
- Failover
- Logging

WSO2 Governance

WSO2 ← Open source application providing SOA solutions.

WSO2 Governance Registry ← provides the right level of structure straight out of the box to support SOA Governance, configuration governance, development process governance, design and run-time governance, lifecycle management, and team collaboration.

WSO2 Governance: Feature

→ Storing, cataloging, indexing, and managing the enterprise metadata in a simple and scalable model

Detail: Registry & repository, SOA governance, configuration governance, development process governance, framework for governance, lifecycle management, manage & monitor, etc.