

Enterprise IT Architectures

Governance – Architecture Management





Comments

- You must send your case studies until 23:59 today Indicate who has written which part in the document or separate email
- Exam: Friday 22.01.2010 from 12:15 to 13:45 in 1.B.01
 - Questions in German Answers German / English
 - "Open Book" the prints of the lectures can be used no computer
 - Several types of questions:

To some aspects of the work products Why, What, Positioning To some items like Availability, Security, SOA, EA, Governance Some tasks May include drawing a diagram



Agenda

- I. Introduction Why (SOA) Governance
- II. SOA Governance
- **III.** Enterprise Architecture Governance, Transition
- IV. Q & A



Introduction Why (SOA) Governance



A Sorry Tale – somebody started implementing a service





A Sorry Tale Part Two – another User



IBM

A Sorry Tale Part Three – another User and Change Request





A Sorry Tale Part Four – Heavy User



A Sorry Tale Part Five

It gets worse !

Some IT is Infrastructure – Share IT !

Another One ...

...Who Pays

Governance within the SOA Lifecycle

Governance

What is Governance?

Establishing chains of responsibility, authority and communication to empower people (decision rights)

Establishing measurement, policy and control mechanisms to enable people to carry out their roles and responsibilities

- Corporate Governance
- IT Governance
- EA Governance
- SOA Governance

What is SOA Governance?

Service Governance within SOA Governance

Service Governance – the governing of the individual

service lifecycle management process to maximize how that particular service delivers business value and enables the goals of the business.

SOA Governance – solution portfolio level	
Process Modeling Services Metadata Model Organizational Change	
 Human Collaboration Portfolio Management Risk Management 	Service Governance– project service level• Registry & Repository Support• Policy Lifecycle Management• Change Management• Service Lifecycle Model• Service Level Agreement• Dashboards & Other Presentation• Decision Rights Management

Why Governance Matters

- Realize business benefits
 - Business process flexibility
 - Improved time to market
- Mitigate business risk and regain control
 - Maintaining quality of service
 - Ensuring consistency of service
- Improved team effectiveness
 - Measuring the right things
 - Communicating clearly between business and IT

Enterprise Architecture and Governance

SOA Governance Life Cycle Addresses Key Questions

SOA Governance Lifecycle – How to establish?

SOA Governance Considerations – What is required ? Processes, Roles and Organization

Example: Defining the Governance Solution

Interaction Between the Lifecycles

- Policies
 - quality gates
 - controls
 - metrics
 - standards
- are *defined* in the Governance lifecycle (for different aspects of Governance)...
- ...and they are *enforced* in the service lifecycle
- metrics are captured to improve governance process

The Governance Framework (Extensions to Development Processes)

 All the "elements" that we need to add to make a process well-governed

non-governed process

well-governed process

Example: Enforcement at Development Time

Example – Enforcing Service Reuse Policy

- During the "Identify Services" activities, the SOA Architect implements the Service Reuse policy searching for existing services
- At the Validate Service Design quality gate the policy is enforced

Policy

Quality Gate

Services should be reused instead of created whenever possible

4 Validate Service Design, semi-automatic enforcement during development

Example – Enforcing Architecture Compliance Policy

- The SOA Architect implements the Compliance with the **Reference Architecture policy** during all the activities in the Service Modeling phase
- At the Validate Service Design quality gate the policy is enforced with a manual review of the service model

Policy Services must be compliant with the existing reference architecture **Quality Gate**

Validate Service Design, manual enforcement during development 4)

Governance at Development Time – Enforcing Policies of Services Life Cycle

Supporting the Steps of Service Life Cycle

Main Capabilities of Service Registry and Repository

Enterprise Architecture – Governance, Transition

EA Architects are primarily involved in strategy and solution design stages

Secondary Working Environment and Required Experience/Knowledge

Committees for ensuring Enterprise Architecture

EA Governance – Overview of the boards/committees

Transition initiatives need to be prioritized and approved as part of the overall IT Operating Plan for the enterprise

- EA inspired initiatives should be considered alongside all requests for IT resource (development and implementation):
 - Business driven
 - Technology driven
 - Architecture driven

So as well as guiding development, the EA framework must also provide transition "roadmaps"

Preferred Product Analysis: Selection Criteria

Questions

