

The SOA Working Group

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THE *Open* GROUP

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THE *Open* GROUP
Making standards work®

The Open Group

- ❑ Vendor- and technology-neutral consortium
- ❑ Vision of Boundaryless Information Flow™
 - Access to integrated information
 - Within and between enterprises
 - Based on open standards and global interoperability.
- ❑ The Home of Enterprise Architecture

www.opengroup.org

The SOA Working Group

- ❑ Develops and fosters common understanding of SOA in order to facilitate alignment between the business and information technology communities.
- ❑ By conducting producing definitions, analyses, recommendations, reference models, and standards

www.opengroup.org/projects/soa

SOA WG Membership & Leadership

- ❑ Open to all Open Group Supplier and Customer Council members (Platinum members, Forum Buyout members, and Silver members)
- ❑ 375 participants from 73 member companies
- ❑ Forum Director
 - Dr Chris Harding, The Open Group
- ❑ Steering Committee
 - Mats Gejnevall, CapGemini, Co-Chair
 - Tony Carrato, IBM, Co-Chair
 - Chris Greenslade, CLARS, former Co-Chair
 - Jorge Diaz, IBM
- ❑ Liaison Officers
 - Ed Harrington, Model-Driven Solutions
 - Heather Kreger, IBM

Initial Work Program

- ❑ Formed in October 2005
- ❑ Three initial deliverables:
 - Definition of SOA
 - SOA Case Studies
 - Value that The Open Group can Add

Initial Work Program - Status

- ❑ Formed in October 2005
- ❑ Three initial deliverables:
 - Definition of SOA – Completed
 - SOA Case Studies – Maintenance Mode
 - Value that The Open Group can Add – Completed

How the Work Program Develops

- ❑ Any Working Group member can propose a project
- ❑ A proposed project must
 - Be within the Working Group's scope
 - Be achievable with Working Group resources
- ❑ Project proposals are approved by vote of the Working Group
- ❑ Several project proposals have been approved, based on "Value" team recommendations and other inputs

Current Working Group Activities

Current Projects

- ❑ Ontologies for SOA
- ❑ SOA Reference Architecture
- ❑ SOA Governance
- ❑ SOA/TOGAF Practical Guide
- ❑ Service-Oriented Infrastructure
- ❑ SOA and Security
- ❑ Legacy Evolution

Completed Projects

- ❑ Definition of SOA
- ❑ SOA Case Studies
- ❑ Value That The Open Group Can Add to SOA

Other Activities

- ❑ SOA Maturity Model
- ❑ SOA Info Architecture
- ❑ SOA Japan Work Group
- ❑ SOA Source Book

Ontologies for SOA

- Background
 - Need to improve understanding of SOA concepts
 - Ontologies can provide formal conceptual framework and also be basis for model-driven implementation
- Objectives
 - Formal OWL ontology for SOA
 - Documented so as to be generally understandable
- Current State
 - Complete draft of the ontology
 - Reviewed by project team
 - “Socialized” by exposure to OMG, OASIS and W3C
- Next Steps
 - Complete the formal standard
 - Open Group Company Review

SOA Reference Architecture

- Background
 - An SOA Reference Architecture will assist information technology professionals to understand and adopt SOA,
 - And can be used as an artefact in SOA development
- Objectives
 - One or more non-vendor-specific SOA reference architectures that are appropriate for use with TOGAF
- Current State
 - Agreed outline reference architecture based on IBM input
 - 4 Sections in SOA Source Book
- Next Steps
 - Complete draft, review, and publish
 - Identify appropriate certification programs

SOA Governance

- Background
 - Governance widely recognized as crucial for SOA
- Objectives
 - Reference model and framework for SOA Governance
- Current State
 - Structure of document defined
 - > 90% of text drafted
 - 3 sections in SOA Source Book
- Next Steps
 - Progress and complete discussion of topics
 - Complete and review document

SOA/TOGAF Practical Guide

- ❑ Background
 - Relation of SOA to EA/TOGAF perceived as highest value the WG can add for SOA
 - Joint project of SOA WG and Architecture Forum
- ❑ Objectives
 - Practical guide to enable a trained TOGAF practitioner to use TOGAF to develop a SOA
- ❑ Current State
 - 4 sections in SOA Source Book
 - No barriers to use of TOGAF for SOA discovered
 - Strategic, segment and solution architectures must be explored separately
- ❑ Next Steps
 - Complete draft
 - Review for publication

Service-Oriented Infrastructure

- Background
 - SOA is usually about applying the principle of service orientation to applications
 - But service orientation can also be applied to their infrastructure
- Objectives
 - Framework for Service-Oriented Infrastructure
 - Technical Guide
 - White Paper describing evolution of SOI
- Current State
 - Snapshot (Version 1) being reviewed for publication
- Next Steps
 - Proceed with Technical Standard (Version 2)

SOA and Security

- Background
 - SOA and security experts agree on the need to understand how to achieve security in SOA
 - Joint initiative of SOA Working Group and Security Forum
- Objectives
 - Guide for enterprise architects on Security and SOA
 - Based on understanding of use-cases, threat profiles, services required for security in SOA, and changes required to existing practice
- Current State
 - Work in progress on White Papers to develop understanding, and for Architects Guide to SOA and Security
- Next Steps
 - Develop the White Papers and the Guide

Legacy Evolution to SOA

- ❑ Background
 - Most enterprises have existing architectures from which they must migrate if they want to adopt SOA
- ❑ Objectives
 - Produce guidance on legacy migration to SOA
- ❑ Current State
 - Project formally constituted and work in progress
- ❑ Next Steps
 - Proceed with the work

SOA Maturity Model (Not a SOA WG project)

- Background
 - SOA maturity assessment valuable for enterprise planning to adopt SOA
- Objectives
 - Develop industry standard SOA maturity model to enable uniform assessments
- Current State
 - Project started by The Open Group Board using base document input by IBM
 - SOA Source Book section
- Next Steps
 - The Board will take the lead

Information Architecture for SOA (Not a SOA WG project)

- Background
 - Work in Semantic Interoperability WG of interest to SOA WG
 - SOA brings need for Semantic Interoperability into focus
- Objectives
 - Information architecture framework
 - Compatible with TOGAF
- Current State
 - Section in SOA Source Book
- Next Steps
 - The Semantic Interoperability WG will take the lead

SOA WG Japan (separate from but working with main SOA WG)

- ❑ The Open Group Japan formed an SOA Japan Working Group in May 2008
- ❑ Has met regularly since then
- ❑ Presented in San Diego Plenary
- ❑ Joint meeting in Q1-09 established
 - Source Book can be basis for SOA Japan work
 - First SOA Japan WG project will be Executive's Guide to SOA

SOA Source Book

- ❑ Open Group book to describe overall framework for SOA
- ❑ Not a project – simply a joint work by authors
- ❑ Leveraging work of project teams
- ❑ Initial version now available on the Web
- ❑ To be launched as published book April 2009
- ❑ <http://www.opengroup.org/projects/soa-book/>

The SOA Working Group

Thank You!