

The SOA Working Group

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THE *Open* GROUP

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THE *Open* GROUP
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The SOA Working Group

- ❑ The mission of The Open Group SOA Working Group is to develop and foster common understanding of Service-Oriented Architecture in order to facilitate alignment between the business and information technology communities.
- ❑ It does this by conducting a work program which will produce definitions, analyses, recommendations, reference models, and standards to assist business and information technology professionals within and outside of the Open Group to understand and adopt SOA.

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)
- ❑ More than 280 participants from 58 companies
- ❑ Forum Director
 - Dr Chris Harding, The Open Group
 - c.harding@opengroup.org
- ❑ Steering Committee
 - Mats Gejnevall, CapGemini, Co-Chair
 - mats.gejnevall@capgemini.com
 - Tony Carrato, IBM, Co-Chair
 - acarrato@au1.ibm.com
 - Chris Greenslade, CLARS, former Co-Chair
 - ChrisG@clars-global.com
 - Jorge Diaz, IBM
 - jldiaz@us.ibm.com

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 – Ongoing
 - 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 and others are being developed, based on "Value" team recommendations

Completed Projects

- ❑ Definition of SOA
- ❑ Value that The Open Group Can Add

Definition of SOA

An **architectural style** that supports **service orientation**

- **Service orientation**
A way of thinking in terms of services and service based development and the outcomes that services bring
- **Service**
A logical representation of a repeatable business activity that has a specified outcome (e.g., check customer credit; provide weather data, consolidate drilling reports), is self-contained and may be composed of other Services. It is a black box to consumers of the Service
- **Architectural Style**
The combination of distinctive features in which Enterprise Architecture is done, or expressed
- The SOA Architectural style's **distinctive features**:
 - Based on the design of the services comprising an enterprise's (or inter-enterprise) business processes. Services mirror real-world business activity
 - Service representation utilizes business descriptions. Service representation requires providing its context (including business process, goal, rule, policy, service interface and service component) and service orchestration to implement service
 - Has unique requirements on infrastructure. Implementations are recommended to use open standards, realize interoperability and location transparency.
 - Implementations are environment specific, they are constrained or enabled by context and must be described within their context.
 - Requires strong governance of service representation and implementation
 - Requires a "Litmus Test", which determined a "good services"

Value that The Open Group can Add

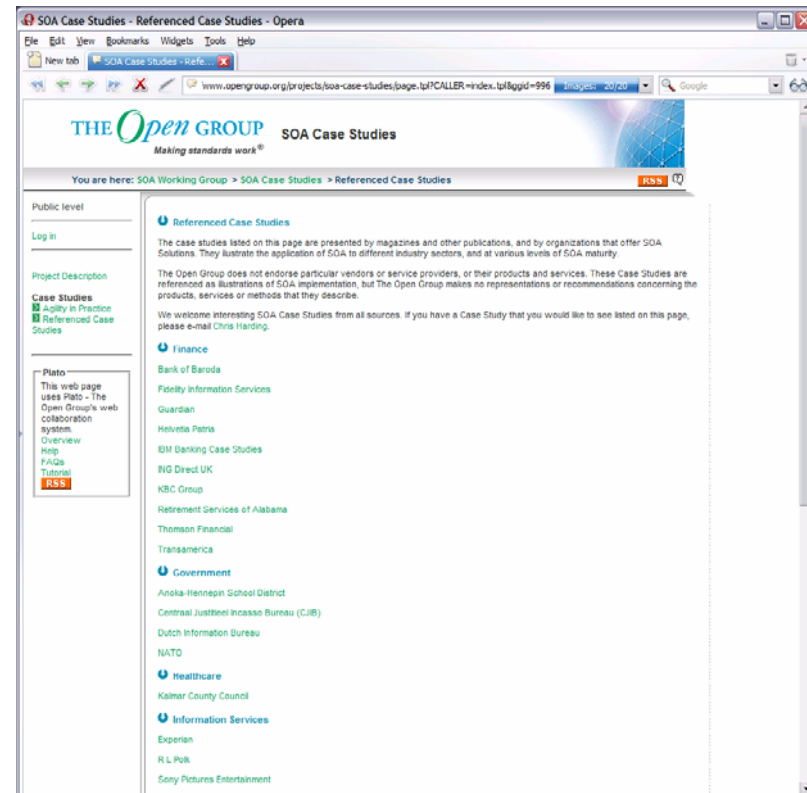
- ❑ The main goal of the subgroup was to establish a set of areas which the Open Group could benefit the industry in the context of SOA.
- ❑ There were 10 recommendations selected.
 - Definition of SOA (completed project)
 - SOA Case Studies (existing project, in maintenance mode)
 - SOA Maturity Model (existing, board-level project)
 - SOA Reference Architecture (existing project)
 - SOA Practical Guide – Relationship to TOGAF (existing project)
 - Business-Driven SOA
 - Legacy Evolution to SOA
 - SOA Governance (existing project)
 - Ontologies for SOA (existing project)
 - SOA Key Performance Indicators

Current Work Program

- ❑ Ontologies for SOA
- ❑ SOA Governance
- ❑ SOA/TOGAF Practical Guide
- ❑ SOA Reference Architecture
- ❑ Service-Oriented Infrastructure
- ❑ SOA and Security
- ❑ SOA Maturity Model (Board Project)

SOA Case Studies

- ❑ Now in “maintenance mode”.
- ❑ Framework for publishing studies in place
- ❑ Additions will be made as and when new studies are submitted



www.opengroup.org/projects/soa-case-studies

Ontologies for SOA

- ❑ Objectives:
 - Improve Understanding
 - Basis for Model-Driven Implementation
- ❑ Current State
 - A very active team
 - Draft base ontology developed
 - Refined following workshop in Lisbon
 - “Socialised” by presentations to OMG and SCoP/SOACoP, and exposure to OASIS and W3C
 - Presented in Semantic Interoperability stream and further developed in sessions in San Diego & Paris

SOA Governance

- ❑ Governance widely recognized as crucial for SOA
- ❑ Project team met face-to-face Friday-Sunday before San Diego conference
 - Reviewed project goals and status
 - Reviewed related standards work, in particular CoBIT and ITIL
 - Consider input material from project members
 - Agreed project scope
 - Created a draft definition of SOA Governance
 - Planned the project activities going forward
 - With emphasis on the next 90 days
- ❑ Continuing to work in 2 hour conference calls, every two weeks
- ❑ Next major face to face session will be in Austin

SOA/TOGAF Practical Guide

- ❑ Relation of SOA to EA/TOGAF perceived as highest value the WG can add for SOA
- ❑ Joint project of SOA WG and Architecture Forum
- ❑ Working through steps of TOGAF Architecture Development Method to evaluate impact of SOA

SOA Reference Architecture

- ❑ Approved on May 25
- ❑ Will produce one or more non-vendor-specific SOA reference architectures that are appropriate for use with TOGAF
- ❑ Base document input from IBM
- ❑ Other input architectures from Applied Technology Solutions, Infosys, the SOA Alliance, and Wipro
- ❑ Project leaders Ali Arsanjani (IBM) and Nikhil Kumar (AppTSI)

Service-Oriented Infrastructure

- ❑ SOI results from applying principles of service orientation to the IT infrastructure
- ❑ SOI project approved on May 4th
- ❑ Will deliver
 - Framework
 - Technical Guide
 - White Paper describing evolution of SOI
- ❑ Project leaders Mark England (HP) and Hemesh Yadav (Unisys)

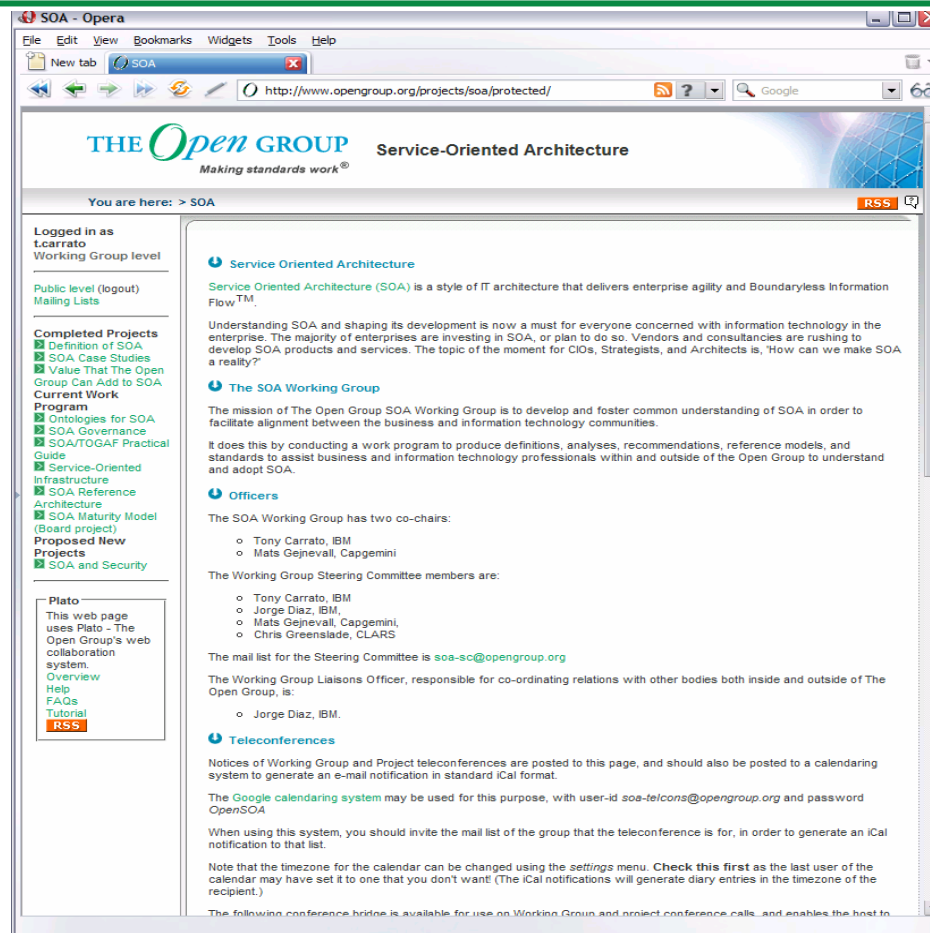
SOA and Security

- ❑ Project approved on June 22nd
- ❑ Joint initiative of SOA Working Group and Security Forum
- ❑ Will produce
 - White Papers
 - Use-case descriptions and threat profile
 - Services required for security in SOA
 - Changes required to existing practice
 - Guide for enterprise architects on Security and SOA
- ❑ Project leaders: Fred Etemadieh (Trusted Systems Consulting Group), Owen Sayers (Capgemini), Shawn Smolski (Lockheed Martin)

SOA WG focus areas in 2H2007

- Continue focus on
 - SOA Governance
 - Ontologies for SOA
 - SOA Reference Architecture
 - Service-Oriented Infrastructure
 - SOA and Security
- Put more emphasis on the SOA/TOGAF Practical Guide
 - EA/SOA relationship
- Support OSIMM work as requested

SOA WG Website



www.opengroup.org/projects/soa