Enterprise Architecture, Security and Cloud Computing

THE *Open* GROUP

Steve Nunn
Chief Operating Officer

s.nunn@opengroup.org   www.opengroup.org

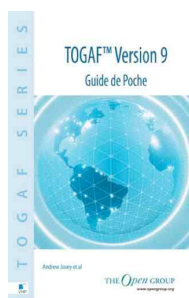THE *Open* GROUP
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Member Representation

Australia
Belgium
Brazil
Canada
China
Colombia
Denmark
Finland
France
Germany
India
Ireland
Israel
Italy

Japan
Morocco
Netherlands
New Zealand
Norway
Poland
Singapore
South Africa
South Korea
Spain
Sweden
Switzerland
UK
United Arab Emirates
USA

20,000 people in >80 countries
350 member enterprises
HQs in 31 countries
6 continents

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Open Group France

S E R I E S
T O G A F

TOGAF™ Version 9
Guide de Poche

Andrew Josey et al

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ARCHITECTURE
FORUM

www.architecture-forum.org/

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The Open Group Membership Scope

Enterprise Architecture	Interoperability
❑ Architecture Forum	❑ Cloud Computing Work Group
❑ ArchiMate® Forum	❑ IT Specialist Certification WG
❑ Business Architecture Work Group	❑ SOA Work Group
❑ Business Forum	❑ Semantic Interoperability (UDEF)
❑ IT Architect Certification Work Group	

Security	Platform
❑ Acquisition Cyber Security Initiative	❑ Austin Group (with IEEE)
❑ Jericho Forum®	❑ Base Work Group
❑ Security Forum	❑ Enterprise Management Forum
❑ Identity Management	❑ Real-time & Embedded Systems
	❑ UNIX® Strategy Task Force

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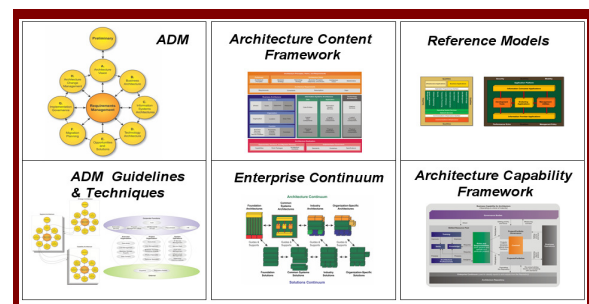

Enterprise Architecture

Enterprise Architecture
❑ Architecture Forum
❑ Archimate® Forum
❑ Business Architecture Work Group
❑ Business Forum
❑ IT Architect Certification Work Group

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TOGAF™ 9 Components

ADM

Architecture Content Framework

Reference Models

ADM Guidelines & Techniques

Enterprise Continuum

Architecture Capability Framework

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TOGAF™ Customer requirements

- "A flow-down from corporate strategy to IS to the capability roadmap to enterprise architecture"

- "Understand from the corporate strategy what the IT function needs to deliver in the future and then link it with the EA to answer the question of how we are going to do it"

- "Establish multiple top level viewpoints and show the implications of change"

- "Strengthen the alignment with business to get buy in from the executives"

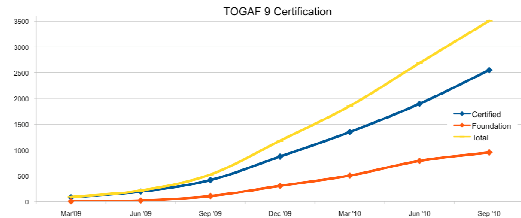Source: Survey of members of The Open Group Architecture Forum – April 2007

Open Group staff contact: Chris Forde, VP Architecture - c.forde@opengroup.org

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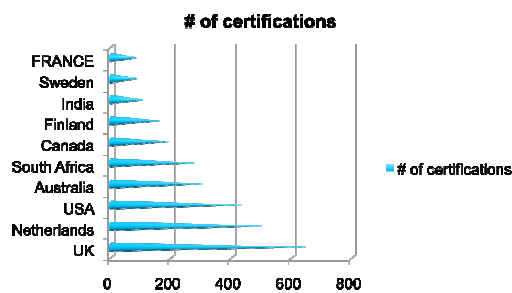Making standards work®

TOGAF™ 9 Certification

TOGAF 9 Certification

- Certified
- Foundation
- Total

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TOGAF™ 9 Certification

# of certifications

FRANCE, Sweden, India, Finland, Canada, South Africa, Australia, USA, Netherlands, UK

0 200 400 600 800

- # of certifications

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The role of ArchiMate®

MIND THE GAP

What developers understand

What business understands
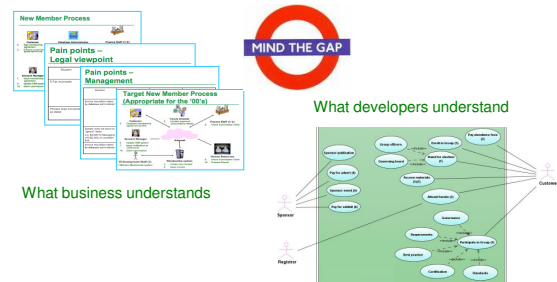
Open Group staff contact: Garry Doherty – g.doherty@opengroup.org

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Business Forum

- **Vision**
  - Collaboratively develop and maintain the preferred professional eco system for Business Architects and Business Analysts

- **Mission**
  - The Open Group Business Forum exists to create a common understanding among buyers, employers and practitioners, based on industry knowledge, open standards, models and frameworks, of how Business Architecture can provide an organization with meaningful information to ensure transformations consistently meet business objectives and drive business value

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Security

Security
- Acquisition Cyber Security Initiative
- Jericho Forum®
- Security Forum
- Identity Management

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Security and Architecture

- **Integration of Security into TOGAF™**: Joint activity with the Real-time & Embedded Systems Forum and SOA Working Group. Includes integrating with the Sherwood Applied Business Security Architecture (SABSA) framework
- **Enterprise Security Architecture (ESA) Guide**: Updating our 2004 ESA Guide
- **COA Framework Standard**: Developing a standard for a Framework for Collaboration-Oriented Architectures
- **Securing the Cloud:** Collaboration with the Cloud Security Alliance (CSA) on areas of joint interest. High-priority issues for the Security Forum include identity & access management, data-centric security, and governance & compliance
- **Cloud/SOA-Security Guide**: In collaboration with the Cloud Computing and SOA Working Groups, developing a best practice guide to describe the key requirements specific to assuring secure operations in Cloud and SOA environments
- **Secure Mobile Architectures (SMA) Standard**: Specifying the common technologies for a standards-based SMA solution

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The Open Group Membership Scope

Interoperability
- Cloud Computing Work Group
- IT Specialist Certification W. Group
- SOA Work Group
- Semantic Interoperability (UDEF)

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The Open Group Cloud Computing

- Customer enterprises are seeking
  - Tools to improve business decisions about cloud computing
    - Avoid vendor lock-in
    - Increase confidence in decision making
    - Risk reduction
    - Safely obtain competitive advantage
    - Determine ROI
    - Clarity of road map
  - A neutral one-stop shop for knowledge on cloud computing
    - Gain knowledge efficiently
    - Neutral viewpoint
    - Keep up to date
    - Leverage knowledge & experience of others
    - Get pre-filtered information

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Cloud Computing Work Group – Output

- Cloud Buyers' Requirements Questionnaire

- Cloud Business Use Cases Whitepaper

- Cloud Computing Explained Whitepaper
  - Definition, Terms, Benefits

- Business Impact of Cloud Computing
  - Translating a use case to a solution pattern that then drives the reference architecture

- Cloud Business Solution Architecture white paper
  - Deep dive on the business problems and requirements that may be best addressed by Cloud solutions, and sample text to use in requests for Cloud solutions

- Cloud Business Taxonomy presentation & white paper

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Cloud Computing – White Papers

The Cloud Computing Work Group had produced four White Papers by the end of July, 2010:

- *Building Return on Investment from Cloud Computing*

- *Strengthening your Business Case for Using Cloud*

- *Cloud Buyers' Decision Tree*

- *Cloud Buyers' Requirements Questionnaire*

These have been the focus of substantial media interest, and they have been re-published on several media websites

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SOA Work Group

- Initial projects
  - Definition of SOA
  - SOA Case Studies
  - Evaluation of Unique Value The Open Group can add to the Evolution of SOA
- Further completed projects
  - SOA Governance
  - Open Group Service Integration Maturity Model (OSIMM)
- Current projects:
  - Ontologies for SOA
  - SOA/TOGAF Practical Guide
  - Service-Oriented Cloud Computing Infrastructure
  - SOA Reference Architecture
  - SOA and Security
  - Legacy Evolution to SOA

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Case Studies

Everyone wants case studies!

The Open Group has a working group within the Architecture Forum
focused solely on case studies

Several exist, and more are under development, including:

Financial Services (several)
Government
Healthcare
Oil industry
Linking business strategy to IT through EA

These are available to members of The Open Group Architecture Forum

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Amsterdam, Oct 18-22, 2010

- ❑ CybersecuritySecurity
  - ▪ High-profile speakers will highlight cybersecurity threats and the responses being made by governments and private enterprises, including integrating security into the development of enterprise architectures

- ❑ Transforming EA into a Business Discipline
  - ▪ Thought-leaders and leading practitioners in Business Architecture will present the critical success factors for today's Business Architect and we will show you how TOGAF™ can be used today to present Business Architecture in a meaningful way to the business

- ❑ Cloud Computing — Business Impact of Cloud Computing
  - ▪ Hear the latest ideas on how to build and measure ROI from Cloud Computing

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