The Open Group Forum Reports

Boundaryless Information Flow:
Open Standards & Certification
San Diego, CA   February 2-6, 2004

THE *Open* GROUP

Agenda

- Members Council Report – Carl Bunje
- QoS/Enterprise Management – Martin Kirk
- Real Time and Embedded Systems (RTES) – Joe Bergmann
- Architecture – John Spencer
- Messaging – Ian Dobson (for Mike Lambert)
- Security – Ian Dobson
- Grid Enterprise Services – Graham Bird
- Directory Interoperability (DIF) and Identity Management (IdM) – Chris Harding
- ??? – Chris Harding

THE *Open* GROUP

Members' Councils Report

February 2, 2004
San Diego, California, U.S.A.

Conference Report

- **Reviewed Member Survey Results**
  - Meeting Locations
  - Meeting Frequency
  - Meeting Themes
- **Published and distributed "Member Value" hand-outs**
  - Being a Member Board Director
  - How to Start New Activities
  - Certification Programs
- **Began Governing Board Member Representative Election**
  - Overview
  - Procedure
  - Opened nominiation period
    - Send nominations by email to ogcc_steering@opengroup.org
- **Panel: Benefits to Members of Open Standards & Certification**
  - Moderator: Elaine Babcock, U.S. DoD DISA
  - Judith Jones: Architecture Forum
  - John Schmidt: Enterprise Application Integration Industry Consortium (EAIIC)
  - Walter Stahlecker: Architecture Forum

THE *Open* GROUP

Next Opportunities

- Governing Board Member Representative Election
  - Close of nominations: April 30, 2004
  - Voting instructions: May 14, 2004
  - Voting: May 15 through June 11, 2004
  - Results: by June 25, 2004
  - Appointment: July 2004 Board meeting
  - Term: July 2004 through June 2006
- Future Surveys
  - Annual
  - Special Topic
- Future "Member Value" handouts

THE *Open* GROUP

QOS/Enterprise Management Forum

THE *Open* GROUP

Martin Kirk
Director, QoS and
Enterprise Management

GSM +44 7740 565783

m.kirk@opengroup.org

Apex Plaza
Forbury Road
Reading, Berks
RG1 1AS, UK

Tel +44 1463 248921
Fax +44 870 133 6521
www.opengroup.org

THE *Open* GROUP

What happened this week

❑ AQRM project meeting

- Information gathering on Policy Management

- Refinement of Architecture Framework

- Refocusing on requirements

- Planning to seek greater user input

THE *Open* GROUP

Forward plans

- ❏ ARM 4.0 Version 1 company review
- ❏ TMF SLA Handbook Volume 4 company review

- ❏ AQRM will probably not meet in Brussels
  - ▪ Possible April meeting in New York
  - ▪ Planned outreach to the Financial Community

Real Time and Embedded Systems Forum

THE *Open* GROUP

Joseph I Bergmann

5115 Woodmire Lane
Alexandria, VA 22311
USA

j.bergmann@opengroup.org

Tel +1 703 998-6133
www.opengroup.org

THE *Open* GROUP

The Open Group RT&ES Forum

Marriott Mission Valley, San Diego
Overview Agenda February 4-6, 2004

- **Open Architecture for RT (4 February all day)**
  - **Introduction**
  - **Start of Real-time Taxonomy with Emphasis on Asset Visibility**
  - **POSIX .13 RT Profile Selection/Panel**
  - **Strategic Architecture Reference Model**
  - **Modular Open Systems**
  - **Developing a Plan of Action**
    - **Standards**
    - **Interfaces**
    - **Certification**
    - **Future Work Areas**

- **Security for Real-time (5 February all day)**
  - **Introduction and Vision**
  - **PK PP MILS Development and Status**
    - **Update on JSF PP progress**
    - **Middleware MILS Update**
  - **MLS capability in a Secure OS**
  - **Emerging Security Standards and Attributes**
  - **SCADA Update**
  - **Discussion --, Edwin Lee,, et al.**

- **Safety/Mission Critical RT Java (5 February all day)**
  - **Introduction**
  - **Business Plan Development update**
    - **Issues**
    - **Way Forward**
  - **RT Data Access: Writing Device Drivers in Java**
  - **Java Card**
  - **Mission Critical Proposal- An approach based on properties based assuredness**
  - **Mission Critical going forward discussion**
  - **Safety Critical RT Java Specification Development through evening**

- **Safety Critical RT Java (6 February (Morning)**
  - **Specification Development**

THE *Open* GROUP

Going Forward Future Activities

- **For Net-Centric environments --**
  - **Software Assurance**
  - **Software Design and Coding Standards**
  - **Software Conformance Tools**
  - **Software Traceability**
  - **Standardized XML Tags**
  - **Mission Critical RT Java**
  - **Content Based Security**
  - **MILS Off the Shelf RTOSs**
  - **MILS for Web Services**
  - **Middleware Security**
  - **Security Interoperability**
  - **Dynamic Resource Management Standards**
  - **Acquisition/Procurement of RT Systems**
  - **Data Base for RT Environments**

THE *Open* GROUP

Proposed RT&ES Forum Agenda for Belgium

- ❑ **Focus on Commercial Real-time Environments**
  - ▪ **Requirements for Commercial RT Applications to include Avionics, Telematics and Pervasive Computing**
- ❑ **Open Architecture WG**
  - ▪ **Modular Open Systems Interface Requirements**
  - ▪ **DRM Standards Development**
- ❑ **Security for RT WG**
  - ▪ **MILS for Web Services**
  - ▪ **Content Based Security**
  - ▪ **Security for SCADA**
  - ▪ **Security for Middleware**
- ❑ **RT Profiles and Certification WG**
  - ▪ **Certification Requirements for New IEEE POSIX 1003.13 Profiles**
- ❑ **Safety/Mission Critical Applications**
  - ▪ **Specification Development for Software Traceability Through the Use of XML Tages**
- ❑ **Safety/Mission Critical RT Java WG**
  - ▪ **Specification Development SC RT Java**
  - ▪ **Mission Critical RT Java Requirements**
- ❑ **Additional Topics to be considered**
  - ▪ **High Assurance Systems**
  - ▪ **Software Assurance Issues**
  - ▪ **Quality of Service Software Issues for RT Environments**
  - ▪ **Applicability of OOT in Safety Critical Environments**
  - ▪ **Procurement issues concerning adherence to Open Systems, Open Standards and Certification**
- ❑ **Initiate RT Forum Activity with Focus on Real-time (Net-Centric) Requirements Unique to Europe**

THE *Open* GROUP

Architecture Forum

THE Open GROUP

John Spencer
Director, Architecture Forum

j.spencer@opengroup.org

Apex Plaza
Forbury Road, Reading
Berkshire, RG1 1AX
United Kingdom

Tel +44 118 950 8311 x2244
Fax +44 118 950 0110
www.opengroup.org

THE Open GROUP

What happened this week

- **TOGAF 8 Certification Showcase**
- **Enterprise Application Integration Workshop (**25 participants)
  - Joint workshop with Enterprise Application Integration Industry Consortium
  - 3 sessions – EAIIC, The Open Group, discussion
  - Agreement to present TOGAF tutorial at EAIIC Summit in May
- **Architecture Briefing (**29 participants)
  - TOGAF as an Industry Standard for Architecture - Chris Greenslade, Frietuna
  - TOGAF 8.1 - "Enterprise Edition" - John Spencer, The Open Group
  - TOGAF 8 Certification - Industry Announcement
  - TOGAF and ITIL - Judith Jones, Architecting-The-Enterprise
  - Notation Standards for TOGAF: BPMN and UML - Matt Smith, Popkin Software
  - Hopes and Challenges of Applying TOGAF in the Context of a Government in Transformation - Barry Myburgh, Insyte IS Engineering (South Africa)
  - TOGAF: The Way Ahead - Chris Greenslade, Frietuna Consultants
- **Architecture Forum Workshop (**14 participants)
  - Architecture Profession
  - TOGAF and Common System Architectures
  - Proposal for new type of Architecture Forum membership
  - TOGAF Evolution Strategy
  - TOGAF9 ADM Workshop

14

THE *Open* GROUP

Forward plans

- Architecture Practitioners Conference
  - Brussels, April
- TOGAF 9 development
  - To include an internal "beta" release September
- TOGAF 9 projects interim working
  - Four parallel tracks
    - Architecture development
    - Architecture transition planning
    - Architecture realization / implementation
    - Architecture governance / change management

THE *Open* GROUP

Messaging Forum

Mike Lambert
A Fellow of The Open Group
Director, Messaging Forum

GSM +44 7770 451167

m.lambert@opengroup.org

THE *Open* GROUP

79, Camrose Way
Basingstoke
Hants, RG21 3AW
United Kingdom

Tel +44 1256 414513
Fax +44 20 7691 7868
www.opengroup.org

THE *Open* GROUP

DoD External Certificate Authority (ECA) Program

- ❑ Review of program status
  - ▪ DoD
  - ▪ Defense Contractors
  - ▪ Certificate Authorities

- ❑ Mandate calls for introduction of PKI in April 2004
  - ▪ DoD not ready
  - ▪ No approved ECAs in place
  - ▪ Defense contractors facing uncertainty, duplication of effort, unnecessary cost
  - ▪ Increased awareness of program needed

- ❑ Now
  - ▪ Write to DoD asking for existing login/password to be accepted alongside certificates until approved ECAs in place
- ❑ April (Brussels)
  - ▪ ECA briefing for NATO, European defense contractors
  - ▪ Explore impact of local regulations in Europe
- ❑ July
  - ▪ ECA briefing in support of DoD awareness program
  - ▪ Review status

THE *Open* GROUP

Secure Messaging in the Healthcare Community

- Briefing
  - Customer Requirements
  - Vendor Responses
  - SMG Certification

- SMG Certification WG Meeting
  - Final changes to profile before company review
  - Identified contents of CSQ

- SMG Certification Program
  - Profile company review in 2nd half February
  - All other materials in March
  - Informal IOP testing in March/April
  - Target: Accepting applications early in Q2

THE Open GROUP

Meeting Plans

- April
  - ECA Briefing (Brussels)
  - SMG Certification (Boston)

- To be arranged
  - Directory: The role of Identity Management is controlling Spam

- July
  - ECA Program Review
  - Secure Messaging in the Healthcare Community
  - Instant Messaging and the Financial World

THE *Open* GROUP

Security Forum

Ian Dobson
i.dobson@opengroup.org

THE *Open* GROUP

Security Forum:
Achievements in San Diego

- ❑ Vulnerability Management
  - ▪ Well attended - 7 presentations, 19 attendees
  - ▪ Liaisons with NIST, ASC
  - ▪ Plans outlined for starting projects
- ❑ Identity Management – report from DIF
- ❑ PKI in DoD – report from Messaging Forum
- ❑ Progress on current projects:
  - ▪ Managers Guide to Identity & Authentication
  - ▪ Technical Guides: Security Design Patterns, Trust Models, Digital Rights Management
  - ▪ Project ALPINE deliverables review

THE *Open* GROUP

Security Forum:
Forward plans to Brussels

- ❑ Security Design Patterns:
    - ▪ Publication in q104
    - ▪ Developers workshop at Chiliplop, April'04
- ❑ ALPINE – complete project (6 deliverables) in q104
- ❑ Identity management – report by DIF
- ❑ Vulnerability Management:
    - ▪ Publish roadmap for way forward – 7 items
- ❑ Identity & Authentication
- ❑ Trust models
- ❑ Security architectures

THE *Open* GROUP

Grid Enterprise Services Forum

THE *Open* GROUP

Graham Bird
Vice President

Mobile +1 415 999 3106
GSM +44 771 863 9088

g.bird@opengroup.org

44 Montgomery Street
Suite 960
San Francisco, CA
94104 USA

Tel +1 415 374 8280 ext. 229
Fax +1 240 214 1063
www.opengroup.org

THE *Open* GROUP

What happened this week

- High attendance #s
  - 50+ Tuesday, 30+ weds
- NCES update – Rob Walker
- Service perspectives
  - Navy, Army, Air Force
  - OSD
- Vendor directions on GIG/NCES
- Linux COE
- Integrator view
  - General Dynamics
  - Northrop Grumman

THE *Open* GROUP

Forward plans

- Next meeting TBD – East Coast
  - Email poll
- Value of Certification
  - Use of e.g. COE in programs
- Procurement
  - Ditto
- Components for NCES
  - Start to define

THE *Open* GROUP

Directory Interoperability Forum and Identity Management

THE *Open* GROUP

Dr Christopher J Harding
Forum Director

Tel +44 118 902 3018
Mobile +44 774 063 1520

c.harding@opengroup.org

Apex Plaza
Forbury Road
Reading
RG1 5BG
UK

www.opengroup.org

THE *Open* GROUP

What Happened This Week

- Identity Management Work Area
  - White Paper and Implementation Catalog
  - 5 Potential new work items discussed
- Directory Interoperability Forum
  - Promotion plan for LDAP Ready
  - Education events at future conferences
  - STANDARD level certification
  - Information sessions: standards body reports; directories and XML; Portals
  - Secure Directory Services

THE *Open* GROUP

Forward Plans

❑ Identity Management
- Enterprise IdM Architecture Guide
- Government authentication guidelines
- Liaise with LAP (and WS-I?) on certification
- Further develop core identity uuid pairs idea

❑ Directory Interoperability
- Directory applications website
- Education events at Boston and New Orleans
- STANDARD level certification
- Secure Directory Services scenario and profile

THE *Open* GROUP

And Something New?

Dr Christopher J Harding
Forum Director

Tel +44 118 902 3018
Mobile +44 774 063 1520

c.harding@opengroup.org

Apex Plaza
Forbury Road
Reading
RG1 5BG
UK

www.opengroup.org

□ **Information** flow problems are costing

- 100s of **millions** in lost opportunities
- **Billions** spent to make systems interoperate or to recover from mistakes

□ Is this your problem? Do you want to do more about **IT**?

□ Join others with similar concerns and get more for less

- Send mail to c.harding@opengroup.org

Next Meeting

Boundaryless Information Flow™
Managing the Flow

Brussels Hilton Hotel, Brussels, Belgium
April 19-23, 2004

THE *Open* GROUP

DIF and Identity Management: Detailed Slides

THE *Open* GROUP

Identity Management Work Area

Summary of Topics Covered:

❑ Implementation Catalog

❑ White Paper

❑ Potential New Work Items:

- ▪ Identity Management Certification

- ▪ Enterprise Identity Management Architecture Guide

- ▪ Core Identity UUID Pairs

- ▪ Government Authentication Guidelines

- ▪ Standards Initiatives Co-operation and Integration

THE *Open* GROUP

Implementation Catalog

- Prototype of web-based implementation description forms under review
- Marketing Plan revision for the catalog is delayed, but planned for shortly after the meeting
- Next Steps Identified:
    - Review and approve the forms (ALL)
    - Produce HTML mockup of implementation description (Ilya Burdman)
    - Draft catalog web site feature set (Chris Apple)
    - Draft terms and conditions for use of catalog (Chris Harding)

THE *Open* GROUP

White Paper

- ❑ First revision edited by Open Group technical writers is available for review
- ❑ Some comments have been posted
- ❑ One technical issue identified
- ❑ Next Steps:
  - ▪ Resolve technical issue
  - ▪ Revised based on comments received to date
  - ▪ Announce for review by the Directory, Security, Messaging, and Mobility Management Forums

Potential New Work Items

- Identity Management Certification discussion had much common ground with the Standards Co-ordination & Integration work item
- UUID discussion was contentious
- Enterprise Identity Management Architecture Guide was thought to be a useful undertaking
- Government Authentication Guidelines is a short-fuse work item for which volunteers were found
- Next Steps:
  - The problem space associated with the UUID topic, that of Naming in an Identity-enabled infrastructure, needs to be more clearly defined before the work item can be adopted – this will take the form of a white paper on that subject. (Skip Slone)
  - The Identity Management Certification/Standards Co-ordination Work Item was adopted in principle, but it was recognized that the next step is to create a plan that will act as a catalyst for creating demand in such a certification program. This will be discussed during the next teleconference meeting.
  - Continue to liaise with various Identity Management Standards Groups. (Chris Harding)
  - Work Area members will review and comment on the Government Authentication Guidelines recently published as NIST Publication 800-63. (Ed Harrington and Bob Blakely)

THE *Open* GROUP

DIF Meeting

- Wednesday AM
  - Work Area Reports
  - STANDARD Certification Progress
  - Directory Standardization Review
  - Directories and XML
- Wednesday PM
  - LDAP Ready
  - Portals
- Thursday AM
  - Secure Directory Server Profile
  - Directory Education

THE *Open* GROUP

Information Sessions

- ❑ Review of directory-related standardization
  - ■ IETF
  - ■ X.500
  - ■ OASIS
  - ■ Liberty Alliance
- ❑ Directories and XML
- ❑ Portals

THE *Open* GROUP

STANDARD Certification

- BASE level of LDAP Certified currently defined (6 vendors with > 20 certified products)

- More rigorous STANDARD level being defined as an option

- Company review of definition starts Feb 16

- New version of VSLDAP Test Suite

LDAP Ready

- Technical:
  - Slightly more stringent test requirements (vendors must test at Plugfest or over Internet test bed, not just privately)
- Marketing:
  - Directory Applications website with links to certification registry

THE *Open* GROUP

Secure Directory Services

- Secure Directory Services Business Scenario:
    - Requirements validated
    - Threats and countermeasures discussed
- Secure Directory Server certification profile:
    - ADVANCED option for LDAP Certified
    - To be developed based on Business Scenario
    - Specifying the access control requirements will be hard!

THE *Open* GROUP

Directory Education

- Application-oriented outreach events for Boston, New Orleans, and San Francisco

- Identity management tutorial to be considered

- Useful directory-related information – especially about certified products – to be clearly presented on DIF website.

THE *Open* GROUP