



ISO/IEC JTC 1 SC 38 SGCC

Seungyun Lee, SGCC Convenor

JTC 1 SC 38 SGCC Open Meeting

18 May 2011, Boulder CO USA



ISO/IEC JTC 1 SC 38 - History

- In November 2009, JTC 1 established a new Subcommittee 38 on Distributed Application Platform and Services (DAPS).
- Proposed Area of Work Standardization for interoperable Distributed Application Platform and Services including:
 - Web Services,
 - Service Oriented Architecture (SOA), and
 - Cloud Computing.



ISO/IEC JTC 1 SC 38 - Overview

Distributed Application Platforms and Services (DAPS)

- As per the JTC 1 Directives, SC 38 will establish its own substructure at the first meeting as follows:
 - WG 1, Web Services
 - WG 2, Service Oriented Architecture (SOA)
 - SG 1, Study Group on Cloud Computing (SGCC)

ISO/IEC JTC 1 SC 38 - Leadership

- JTC 1 SC 38 Chairman : Donald Deutsch / Oracle, US
- JTC 1 SC 38 Secretariat : Marisa Peacock / ANSI, US
- Convenor of WG 1 (Web Services) : Jeff Mischkinsky / Oracle, US
- Convenor of WG2 (SOA) : Yuan Yuan / CESI, China
- Convenor of SGCC : Seungyun Lee / ETRI, Korea



Donald Deutsch



Marisa Peacock



Jeff Mischkinsky



Yuan Yuan



Seungyun Lee



SGCC - Terms of Reference

1. Provide a taxonomy, terminology and value proposition for Cloud Computing.
2. Assess the current state of standardization in Cloud Computing within JTC 1 and in other SDOs and consortia beginning with document JTC 1 N 9687*.
3. Document standardization market/business/user requirements and the challenges to be addressed.
4. Liaise and collaborate with relevant SDOs and consortia related to Cloud Computing.
5. Hold open meetings to gather requirements as needed from a wide range of interested organizations.
6. Provide a report of activities and recommendations to SC 38.

**N9687: Report of JTC 1/SWG-Planning on possible future work on Cloud Computing in JTC 1 (2009)*



SGCC - Membership

- **11 National Bodies with 109 members**
 - Canada (13)
 - China (16)
 - Finland (7)
 - France (2)
 - Germany (8)
 - Ireland (3)
 - Japan (1)
 - Korea (12)
 - Singapore (1)
 - Sweden (10)
 - UK (6)
 - US (29)



SC38 - External Liaisons

- SC 38 confirms the following Category A liaisons and liaison representatives:

Group	Assigned Liaison from SC 38
DMTF	TBD
ITU-T FG Cloud	Kangchan Lee
Latin American Institute for Quality Assurance (INLAC)	Fernando Gebara Filho
OASIS	Martin Chapman
The Open Group	Heather Kreger
SNIA	TBD



SGCC - Meetings

- 1st meeting : 12-14 May 2010 in Beijing, China (1st SC38 Plenary) **done*
- 2nd meeting : 27 September 2010 in NY, US (2nd SC38 Plenary) **done*
 - establishment of two work teams
- 3rd meeting : 11-15 April 2011 in AFNOR, St. Denis, France (3rd SC38 Plenary) **done*
 - publishing of 1st draft of SGCC Report (V2)
- 4rd meeting : 19-23/24 September 2011 in Seoul, Korea (4rd SC38 Plenary)



SGCC - Working method & Deliverables

- SGCC established two work teams to develop the Study Group Report (SGCC Report)
 - Editorial Team will produce a draft Study Group Report.
 - Standards Analysis Work Team will carry out the analysis of standardization activities in JTC 1, other SDOs.



SGCC - Deliverable (SGCC Report)

- **Study Group Report on Cloud Computing**
 - This document intends to provide an overall review on the specified topics of Cloud Computing in terms of exploring standardization opportunities.
- **This document deals with:**
 - reviewing current concepts, characteristics, definitions, types and components used in Cloud Computing;
 - a comparison of Cloud Computing to related technologies;
 - analyzing standardization activities for Cloud Computing in other standards organizations.

Deliverable - SGCC Report V2

1. Introduction and Purpose
2. Overview of Cloud Computing
3. Cloud Computing Industry Initiatives
4. Cloud Computing Standards Analysis
5. SGCC Recommendations

Annex 1: General Technical Principles of for Cloud Computing NWI

Annex 2: Repository of Industry Standards for Cloud Computing

Annex 3: Report of the Analysis of Standards Requirements for Cloud Computing

Annex 4: Future Reference Architecture Work

Annex 5: Operational Requirements for Cloud Computing Services

Annex 6: Cloud Computing Use Cases and Scenarios

Cloud Computing Initiatives

Work in progress

Industry Initiative	Type of initiative
Open Grid Forum (OGF)	Industry consortium
Distributed Management Task Force (DMTF)	Industry consortium
Cloud Security Alliance (CSA)	Industry consortium
ETSI Technical Committee (TC) CLOUD	European standard organization
OASIS	Industry consortium
Object Management Group (OMG)	No activities
Storage Networking Industry Association (SNIA)	Industry consortium
ITU-T Focus Group on Cloud Computing	International standard organization
Cloud Computing Use Case Discussion Group	Ad Hoc
W3C	No entry
CCF (Cloud Computing Forum in Korea)	Korean industry consortium
KCSA (Korea Cloud Service Association)	Korean industry consortium
The Open Group	Industry consortium
Study Group on Smart Cloud (Japan)	Japanese industrial consortium
European Network and Information Security Agency (ENISA)	EU agency
ISO/IEC JTC 1/SC 7	International standard organization
ISO/IEC JTC 1/SC 27	International standard organization
Institute of Electrical and Electronic Engineers (IEEE)	International standard organization
CESI (China Electronics Standardization Institute)	Chinese standard organization
Cloud Industry Forum (CIF)	Industry consortium

SGCC Recommendations

- The study group proposes a roadmap for SC 38 Cloud Computing work as follows:
 1. Create a Cloud Computing Terminology Standard - a standard definition of Cloud Computing terminology that is normative on other standards in the Cloud Computing space.
 2. Define a methodology for identifying subsequent new work items proposals. One proposal for that methodology is described in the Annex "Cloud Computing Use Cases and Scenarios".
 3. Cloud Computing Standard(s) - define and approve international standard(s) that meets the requirements listed in the above (2).



Thank you

Next Meeting:

ISO/IEC JTC 1 SC 38 4th Plenary

19-23 October 2011 – Seoul, Republic of Korea

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