

Cloud Computing Forum & Workshop V Agenda

Department of Commerce
Herbert C. Hoover Building, 14th & Pennsylvania, Washington, DC

DAY 1 – June 5, 2012

8:00	-	Check-in (<i>Visitor's Entrance Lobby</i>)
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8:00	-	9:00	Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations (<i>Visitor's Entrance Lobby</i>)
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F O R U M – (*Department of Commerce Auditorium*)

9:00	-	9:10	Welcome & Opening Remarks John Bryson , Secretary of Commerce
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9:10	-	9:20	Keynote Patrick Gallagher , Under Secretary of Commerce for Standards and Technology and Director, National Institute of Standards and Technology
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9:20	-	11:15	Executive Session: Global Government Views on the Potential for Cloud Computing Technology to Transform Public Services
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Introduction by Ambassador Philip L. Verveer, United States Coordinator for International Communications & Information Policy, Department of State

Pierre Boucher, Deputy Chief Information Officer for the Government of Canada

Zhang Feng, Director-General, Department of Communications Development Ministry of Industry and Information Technology (MIIT), People's Republic of China

Yasuo Sakamoto, Deputy Director General, Global ICT Strategy Bureau, Ministry of Internal Affairs and Communications (MIC), Japan

Steve VanRoekel, United States Chief Information Officer

11:15	-	11:30	USG Cloud Computing Technology Roadmap & Forum Highlights Dawn Leaf , NIST Senior Executive for Cloud Computing
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11:30	-	1:00	Lunch [on your own]
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Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations (*Visitor's Entrance Lobby*)

FORUM – (Department of Commerce Auditorium)

1:00 - 2:15

Panel: “Cloud Computing Standards: Too Many Cooks in the Kitchen?”

Moderator: John Messina, Co-Chair, NIST Cloud Computing Reference Architecture and Taxonomy Public Working Group

Winston Bumpus, Director of Standards Architecture, VMware; President Distributed Management Task Force (DMTF);

Donald R. Deutsch, Vice President, Standards Strategy and Architecture, Oracle; Chair, International Organization for Standardization/International Electrotechnical Commission (ISO/IEC) JTC 1 Sub Committee 38; INCITS; World-Wide Web Consortium (W3C);

Eric Hibbard, Chairman, Cloud Security Alliance International Standards Committee

Robert Marcus, Cloud Standards Customer Council (CSCC), Object Management Group (OMG)

Luis Jorge Romero, Director General, European Telecommunications Standards Institute (ETSI)

Alan Sill, Senior Scientist, Texas Tech University; Vice President of Standards, Open Grid Forum (OGF); Standards & Interoperability for eInfrastructure implementation initiative (SIENA)

2:15 - 2:45

Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations (*Visitor’s Entrance Lobby*)

FORUM – (Department of Commerce Auditorium)

2:45 - 4:25

Focus Session: USG Cloud Computing Technology Roadmap Priority Action Plan (PAP) Progress and Examples

Moderator: Michael Hogan, Co-Chair, NIST Public Cloud Computing Standards Working Group

This session showcases voluntary independent cloud related efforts which can also be characterized as PAPs which advance progress toward meeting USG Cloud Computing Technology Roadmap High Priority Interoperability, Portability and Security Requirements.

Requirement 1: International voluntary consensus based interoperability, portability and security standards (2:45)

Winston Bumpus, Director of Standards Architecture, VMware; President Distributed Management Task Force (DMTF);

Requirement 2: Solutions for High Priority Security Requirements (3:05)

Jose A.B. Fortes, Professor, University of Florida, Department of Electrical and Computer Engineering, ACIS Laboratory

Requirement 3: Technical specifications to enable development of consistent, high quality Service Level Agreements (3:25)

Karuna P Joshi, Computer Science and Electrical Engineering, University of Maryland at Baltimore

“Cloud Services: Metrics and Service Level Agreements”

Requirement 4: Clearly & consistently categorized cloud services (3:45)

Cary Landis, Virtual Global, Inc.

“SaaS, PaaS and IaaS Clarification by Example”

Requirement 5: Frameworks to support seamless implementation of federated community cloud environments (4:05)

Craig Lee, Aerospace Corporation, Past President, Open Grid Forum

“Cloud Federation -- Establishing Trust”

4:25 - 4:35

Closing Remarks

Scott Quehl, Chief Financial Officer and Assistant Secretary for Administration, U.S. Department of Commerce

Optional Sessions

These special topic briefings occur concurrently from 12:00 - 1:00 pm; You are invited to bring your lunch. (Room capacity is 50; seating is on a first come/first served basis)

Conference Room 1412: USG Cloud Computing Technology Roadmap Comment Summary & Disposition Process; Annie Sokol, Co-Chair NIST Public Cloud Computing Standards Working Group

Conf. Room 1414: Volume III Roadmap Next Steps discussion: Eric Simmon, NIST Lead for USG Cloud Computing Technology Roadmap Volume III (*Technology Considerations for Cloud Deployment and Decisions*)

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DAY 2 – June 6, 2012

8:00 -	Check-in (<i>Visitor's Entrance Lobby</i>)
8:00 - 9:00	Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations (<i>Visitor's Entrance Lobby</i>)

FORUM – (*Department of Commerce Auditorium*)

9:00 - 9:10	Welcome & Opening Remarks Rebecca Blank, Deputy Secretary of Commerce
9:10 - 9:20	Technology Evolution Insights James St. Pierre, Deputy Director, NIST Information Technology Laboratory
9:25 - 11:05	Focus Session: USG Cloud Computing Technology Roadmap Priority Action Plan (PAP) Progress and Examples

Moderator: Annie Sokol, Co-Chair, NIST Public Cloud Computing Standards Working Group

This session showcases voluntary independent cloud related efforts which can also be characterized as PAPs which advance progress toward meeting USG Cloud Computing Technology Roadmap High Priority Interoperability, Portability and Security Requirements.

Requirement 6: Relating technical security solutions to organizational policy decisions (9:25)

Yelena Yesha, Professor and **Anupam Joshi**, Oros Family Professor
Computer Science and Electrical Engineering, University of Maryland at
Baltimore

"Relating technical security solutions to organizational policy decisions"

Requirement 7: Defined unique government regulatory requirements, technology gaps, and solutions (9:45)

Bruce Bailey, IT Specialist, U. S. Access Board
"Section 508 Refresh"

Requirement 8: Collaborative parallel strategic "future cloud" development initiatives (10:05)

Kyoung-Sook Kim, National Institute of Communications Technology,
Japan
"Cyber-Physical Data Cloud Computing for Real-world Awareness"

Requirement 9: Defined and implemented reliability design goals (10:25)

Kevin Mills, Senior Research Scientist, Measurement Science for Complex
Information Systems
"Improving Cloud Reliability"

Requirement 10: Defined and implemented cloud service metrics (10:45)
Jane Siegel, Co-Director, Cloud Services Measurement Initiative Consortium (CSMIC)
“Defined and implemented cloud service metrics”

FORUM – (Department of Commerce Auditorium)

11:05 - 11:35 **Focus Session: Target Business Use Cases for Government Cloud Computing Deployment**

Moderator: Eric Simmon, Co-chair, Federal Cloud Computing Standards and Technology Working Group

Anil Karmel, Cloud Computing Chief Architect, Department of Energy

Linda Strick, Fraunhofer Fokus - Institute for Open Communication Systems

11:35 - 1:00 **Lunch [On your own]**

Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations (*Visitor’s Entrance Lobby*)

FORUM – (Department of Commerce Auditorium)

1:00 - 2:30 **Panel: Industry Views on the Cloud Computing model Development, Adoption, and Next Steps**

Moderator: Robert Bohn, NIST Cloud Computing Program Manager

Betsy Covell, Distinguished Member of Technical Staff, Wireless Standards and Intellectual Property, Alcatel-Lucent

Michael Donovan, Portfolio Research and Development, HP Enterprise Services Office of the CTO

David LeDuc, Senior Director, Public Policy, Software & Information Industry Association

Katherine McGuire, Business Software Alliance, Government Relations

David Mortman, Chief Security Architect, enStratus Networks, Inc.

Paul Weiss, Senior Cloud Engineer, Eucalyptus Systems

2:30 - 3:00	Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations (<i>Visitor's Entrance Lobby</i>)
3:00 - 4:15	Panel: USG Federal Cloud Computing Efforts – How do they fit together? (including Q&A) Moderator: Dawn Leaf , Senior Executive for Cloud Computing, and Co-Chair, NIST USG Cloud Computing Standards and Technology Working Group Mary Lewin , Director, Federal Cloud Computing Program, Office of Citizens Services and Innovative Technologies, General Services Administration Scott Renda , Portfolio Manager, Cloud Computing, Office of Management and Budget Param Soni , Environmental Protection Agency, Federal Cloud Computing Standards & Technology Working group Simon Szykman , Chief Information Officer, Department of Commerce Peter Tseronis , Cloud First Task Force Chair, CTO, Department of Energy

Optional Sessions

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Conf. Room 1412: USG Cloud Computing Technology Roadmap Comment Summary & Disposition Process; Annie Sokol, Co-chair NIST Public Cloud Computing Standards Working Group

Conference Room 1414: NIST Conformity Assessment System Briefing: Gordon Gillerman

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DAY 3 – June 7, 2012

8:00 Check-in (*Visitor's Entrance Lobby*)

9:00 Welcome & Workshop Introduction, Dawn Leaf, NIST Senior Executive for Cloud Computing

9:10 Morning Workshop Sessions (conducted in parallel with Real-World Collaboration)
Chair Robert Bohn, Cloud Computing Program Manager, & NIST Cloud Computing Reference Architecture & Taxonomy Public Working Group Co-chair

BO2: NIST Cloud Computing Reference Architecture Working Group Topics of Interest

(9:10 – 10:20)

- **Cloud Broker Concepts**
Robert Patt-Corner
- **SLA Taxonomy and Guidance**
Ken Stavinoha
- **Cloud Metrics**
Frederic de Vaulx, NIST

BO1: NIST Cloud Computing Security Working Group Topics of Interest

(10:20 – 11:30)

- ***SP 500-296 draft: Challenging Security Requirements for US Government Cloud Computing Adoption***
Fred Whiteside, Department of Commerce; Co-Chair, NIST Cloud Computing Security Public Working Group; Co-chair ISIMC Cloud Computing Committee
- ***NIST Cloud Computing Security Working Group Update***
Michaela Iorga, Co-Chair, NIST Cloud Computing Security Public Working Group
- ***Big Data Analytics and Security***
Alvara Cárdenas Mora and Arnab Roy, Fujitsu, CSA, NIST CC Security Working Group

BO3: NIST Cloud Related Program Efforts

(11:30 – 12:40)

- **Curt Barker**, Associate Director, ITL, National Cybersecurity Center of Excellence
- **Jeremy Grant**, Senior Executive Advisor for Identity Management, National Strategy for Trusted Identities in Cyberspace (NSTIC)
- **B.J Lide**, NIST Health IT Program
- **Ashit Talukder**, Big Data and Cloud: Challenges, Opportunities and Potential NIST Role

12:40 Report Out & Workshop Next Steps

Robert Bohn, NIST Cloud Computing Technical Program Manager

1:00 Adjourn
