October 17, 2011

Cloud Computing Forum & Workshop IV Agenda

National Institute of Standards and Technology
100 Bureau Drive, Gaithersburg, MD 20899

DAY 1 – November 2, 2011

8:00   **Check-in** *(Administration Bldg 101)*

8:00 – 9:00   **Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations** *(Administration Bldg 101, Flag Hallway)*

F O R U M – *(NIST Red Auditorium)*

9:00 – 9:10   **Welcome & Opening Remarks**
Pat Gallagher, NIST Under Secretary for Standards and Technology and Director

9:10 – 9:30   **Keynote: Steve Van Roekel, United States Chief Information Officer**

9:30 – 10:30   **Cloud Without Borders: International Perspectives**
Chair: Ambassador Philip L. Verveer, United States Coordinator for International Communications & Information Policy, Department of State

1. **Kazutaka NAKAMIZO, Director for Policy Coordination of the ICT Strategy Policy Division, Global ICT Strategy Bureau, Ministry of Internal Affairs and Communications (MIC), Japan**
2. **Lisa Schlosser, United States Deputy Chief Information Officer**
3. **Jinzy Zhu, Senior. Vice President, Huawei Technologies**
4. **Rainer Zimmermann, Head of Unit for Future Networks of the Directorate General for Information Society and Media, European Commission**

10:30 – 11:00   **USG Cloud Computing Technology Roadmap Highlights (with Q&A)**
Dawn Leaf, NIST Senior Executive for Cloud Computing

11:00 – 11:30   **Break**

Refreshments available in NIST Cafeteria; Cafeteria accepts cash only;

11:30 –12:30   **The Case for USG Cloud Computing Priorities, introduced by Peter Tseronis, Chief Technology Officer, Department of Energy, & Chair, Federal CIO Council Cloud First Task Force**

1. **John Teeter, Deputy Chief Information Officer, Department of Health and Human, Cloud as an enable for Health IT**
2. **Adrian Gardner, Director of Information Technology and Communications Directorate and Chief Information Officer, Goddard Space Flight Center, Cloud Next Steps**
3. **Keith Trippie, Executive Director of Enterprise System Development , Department of Homeland Security**

DAY 1 – November 2, 2011 (continued)

12:30 – 1:30   **Panel: Succeeding by Working Together to Build a Healthy Cloud Ecosystem**

Panel Chair: Chuck Romine, Senior Advisor to the NIST Director

1. **Winston Bumpus, Director of Standards Architecture, VMware; President of the DMTF and co-chair of the DMTF's Cloud Management Working Group**
2. **Kathy Conrad, Principal Deputy Associate Administrator, Office of Citizen Services and Innovative Technologies, General Services Administration**
3. **Richard Spires, Chief Information Officer, Department of Homeland Security**
4. **Yelena Yesha, Professor, Computer Science and Electrical Engineering, University of Maryland at Baltimore**

1:30 – 2:45   **Lunch**

On your own; NIST Cafeteria accepts cash only; brown bag allowed in cafeteria

Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations *(Administration Bldg 101, Flag Hallway)*

F O R U M *– (NIST Red Auditorium)*

2:45 – 3:10   **Beyond the Definition – Categorizing & Classifying Cloud services using the collaboratively developed NIST Reference Architecture (with Q&A), Bob Bohn and John Messina, NIST working group co-chairs**

3:10 –3:20   **Closing Remarks, James St. Pierre, Deputy Director, Information Technology Laboratory, NIST**

3:20 – 5:00   **Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations** *(Administration Bldg 101, Flag Hallway)*

Federal Cloud Computing Standards and Technology Working Group hosted

OPEN discussion on USG Cloud Computing Technology Roadmap Requirements

(1:40- 2:30pm, Bldg. 101, Portrait Gallery)

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Cloud Computing Forum & Workshop IV Agenda

National Institute of Standards and Technology
100 Bureau Drive, Gaithersburg, MD 20899

DAY 2 – November 3, 2011

8:00   **Check-in** *(Administration Bldg 101)*

8:00 – 9:00   **Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations** *(Administration Bldg 101, Flag Hallway)*

F O R U M – *(NIST Red Auditorium)*

9:00 – 9:10   **Welcome & Opening Remarks**
Cita M. Furlani, Director, NIST Information Technology Laboratory

9:10 – 9:40   **What We Learned: Standards Roadmap Briefing (with Q&A),**
Annie Sokol, Co-chair, NIST Cloud Computing Standards Working Group

9:40 – 10:40   **Standards in the Eyes of Those Who Need Them**
Panel Chair, Mike Hogan, Co-chair, NIST Cloud Computing Standards Working Group

1. **Paul Fontaine, E-Discovery Program Manager, Office of the Chief Technology Office, FAA**
2. **Melvin Greer, Lockheed Martin, Northern Virginia Technology Council (NVTC)**
3. **Tom McAndrew, VP Professional Services, Coalfire Systems**
4. **Allison Stanton, Director of E-Discovery, Office of the Assistant Attorney General, Department of Justice - Civil Division**

10:40 – 11:10   **Break**

Refreshments available in NIST Cafeteria; Cafeteria accepts cash only;

11:10 – 11:40   **USG Security Challenges & Mitigations**
NIST Security Working Group Chair, Fred Whiteside; Earl Crane, DHS, Federal Standards & Technology Working Group & ISIMC

11:40 – 12:40   **Security Assumption Buster Panel**
 Panel Chair: Curt Barker, Chief Cybersecurity Advisor, NIST

1. **Kevin Jackson, General Manager, Cloud Services, NJCC, LLC**
2. **Bill Newhouse, NIST**

DAY 2 – November 3, 2011 (continued)

12: 40 – 2:00   **Lunch**

On your own; NIST Cafeteria accepts cash only; brown bag lunch allowed in cafeteria

Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations *(Administration Bldg 101, Flag Hallway)*

F O R U M – *(NIST Red Auditorium)*

2:00 – 3:00   **Panel: Recent Community Advances in Cloud Technology - On the Forefront of Cloud Computing Infrastructure, Chair: David Bernstein**

1. **Randy Bias, "Open Cloud Operating Systems: Openstack - OS challenges for Web-, Country-, Planet-scale cloud construction", Cloudscaling**
2. **Doug Gourley, "Open Cloud Networking: Growing Big - very large flat network design and algorithms: VL2, MLAG/802.3ad, VXLAN", Arista Networks**
3. **Michael Berman, "Open Cloud Security: Visibility/Policies/Automation - Towards implementing the 'Holy Trinity' - VM API's/CSA SP 800-53 rev3/SCAP", Catbird Networks**
4. **Craig Lee, "Managing Leaps of Imagination!", The Aerospace Corporation, Open Grid Forum**

3:00 –3:15   **Next Steps: What's after the November 2011 "roadmap"?**
Dawn Leaf, NIST Senior Executive for Cloud Computing

3:15 – 5:00   **Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations** *(Administration Bldg 101, Flag Hallway)*

Briefing: Cloud Computing and the Federal Government: Effectively Acquiring IT Services in a Consumption Based Model, Matt Goodrich, US General Services Administration

(12:45-1:45 pm - Bldg. 101, Portrait Gallery)

October 17, 2011

Cloud Computing Forum & Workshop IV Agenda

Crown Plaza

Rockville, MD 20899

DAY 3 – November 4, 2011

8:00 **Check-in** *(Crown Plaza)*

9:00 **Welcome, Jim St. Pierre, Deputy Director, Information Technology Laboratory, NIST**

9:10 **Workshop Introduction, Dawn Leaf, NIST Senior Executive for Cloud Computing**

9:20 **Morning Breakout Sessions (130 minutes)**

BO1: USG Target Business Use Case examples that drove the USG Cloud Computing Technology Roadmap priorities and recommendations (Co-chairs Viktor Kaufmann, Jin Tong)

> *Introduction: USG Target Business Use Case Template, Viktor Kauffman (10 min.)*
>
> *Overview: Standards Acceleration to Jumpstart the Adoption of Cloud Computing (SAJACC) overview, Target Business Use Case & SAJACC Mapping example and RA and business use case mapping example, Jin Tong, (15 min.)*
>
> *Featured USG examples*
>
> *Introduction: USG Cloud Computing Technology Roadmap, Volume 3 Technical Considerations for USG Cloud Computing Deployment Decisions, Dave Bernstein 15 min.)*
>
> *Special Guest, tbd*

BO2:   Using the Reference Architecture and Taxonomy (co-chairs, Bob Bohn, John Messina)
> *Industry use of the Reference Architecture & Taxonomy to Categorize Cloud Services & Products*
>
> *Overview: Reference Architecture & Taxonomy*
>
> *Industry examples:*
>
> *Special guest, tbd*
> *Special Guest, Matthew Goodrich, GSA*

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BO3: Cloud Security Topics of Interest (Co-chairs Fred Whiteside, Michaela Iorga)

Review of roadmap security requirement list in the context of the Security Working group & USG use case examples (Fred Whiteside, 15 min.)

NSTIC, Jeremy Grant (15 min.)

FedRAMP, Mary Lewin, GSA (15 min.)

ISIMC, Earl Crane (15 min.)

Open Discussion 55 minutes

11:30 Report Out & Workshop Next Steps

Bob Bohn, NIST Cloud Computing Technical Program Manager

12:45 Closing Remarks – Dawn Leaf

1:00 Adjourn