

Cloud Computing AND Big Data Forum & Workshop Agenda

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

DAY 1 - January 15, 2013

8:00	-	8:00	Check-in (Administration Building 101)
8:00	-	9:00	Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations (Administration Bldg. 101, Flag Hallway)
FORUM – (NIST, Bldg. 101, Red Auditorium)			
9:00	-	9:10	Welcome & Opening Remarks: Patrick Gallagher , Under Secretary of Commerce for Standards and Technology and Director, National Institute of Standards and Technology
9:10	-	9:20	Keynote: Steven VanRoekel , United States Chief Information Officer
9:30	-	10:40	Panel: Convergence of Cloud and Big Data, Moderator: Charles H. Romine , Director, Information Technology Laboratory
10:40	-	11:00	USG Cloud Computing Technology Roadmap Progress, Robert Bohn , NIST Program Manager for Cloud Computing
11:00	-	11:30	Break (on your own; cafeteria accepts cash, credit cards) Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations (Administration Bldg. 101, Flag Hallway)
11:30	-	12:30	Progress on Standards for Interoperability between Clouds, Moderator: John Messina , Reference Architecture and Taxonomy Working Group Co-chair
12:30	-	1:30	Focus Session: USG Cloud Computing Technology Roadmap Priority Action Plan (PAP) Progress and Examples. Moderator: Robert Bohn, Program Manager , NIST Cloud Computing Program and Reference Architecture and Taxonomy Working Group Co-chair <ul style="list-style-type: none"> • Requirement 1: International voluntary consensus based interoperability, portability and security standards • Requirement 2: Solutions for High Priority Security Requirements • Requirement 3: Technical specifications to enable development of consistent, high quality Service Level Agreements • Requirement 4: Clearly & consistently categorized cloud services
1:30	-	2:45	Lunch (On your own; Cafeteria accepts cash and credit cards) Real-World Collaboration with Academia, Government, Industry & Standards Developing Organizations (Administration Bldg. 101, Flag Hallway)
2:45	-	4:15	Focus Session: USG Cloud Computing Technology Roadmap Priority Action Plan (PAP) Progress and Examples, Moderator: Michael Hogan , NIST Cloud Computing Standards Roadmap Working Group Co-chair <ul style="list-style-type: none"> • Requirement 5: Frameworks to support seamless implementation of federated community cloud environments • Requirement 6: Security guidance that reflects changing organization policy decisions that are driven by the evolving cloud computing business and technology model (security guidance) • Requirement 7: Defined unique government regulatory requirements, technology gaps, and solutions • Requirement 8: Collaborative parallel strategic “future cloud” development initiatives • Requirement 9: Defined and implemented reliability design goals • Requirement 10: Defined and implemented cloud service metrics
4:15	-	4:30	Closing Remarks, Ashit Talukder, Ph.D. , Chief, Information Access Division, , Information Technology Laboratory

DAY 2 – January 16, 2013

FORUM – (NIST, Bldg. 101, Red Auditorium)			
9:00	-	9:10	Welcome & Opening Remarks, Chuck Romine, Director, Information Technology Laboratory, NIST
9:10	-	9:25	Keynote
9:25	-	9:45	NIST Talk on Draft Discussion of Definition and Characteristics
9:45	-	9:55	Open discussions
9:55	-	10:10	Break
10:10	-	11:10	Big Data Use-Cases Government Perspectives
11:15	-	12:15	Big-Data Lifecycle Management: Measurement Science, Benchmarking and Evaluation Challenges
12:15	-	1:45	Lunch (On your own; Cafeteria accepts cash and credit cards) Networking and Interaction in Hall with Posters, Demos and Exhibits by Academic, Federal Government, and Commercial Participants
1:45	-	2:15	Panel: Big Data Analytics and Solutions, Moderator: NIST tbd
2:25	-	3:25	Big-Data Analytics and Processing: Measurement Science, Benchmarking and Evaluation Challenges
3:25	-	3:35	Break
3:35	-	4:35	Big-Data Interaction and Visualization: Measurement Science, Benchmarking and Evaluation Challenges
4:35	-	5:30	Operational Big Data Infrastructure
5:30	-	5:40	Summary of first Big Data event and Day 2 Closing Remarks, Christopher Greer, Associate Director, Program Implementation Office, Acting Senior Advisor for Cloud Computing, Information Technology Laboratory

DAY 3 – January 17, 2013

8:00	Check-in (Administration Building 101)	
9:00	Welcome, Jim St. Pierre, Deputy Director, Information Technology Laboratory, NIST	
9:10	Cloud Workshop Introduction, Robert Bohn, NIST Program Manager for Cloud Computing	
9:20	Big Data Workshop Introduction, NIST ITL Representative	
9:30	Morning Breakout Sessions (130 Minutes)	
B01:	USG Cloud Computing Technology Roadmap Volume III Progress (Eric Simmon, Volume III primary author & lead)	
B02:	International Cloud Computing Standards Progress and Considerations (Michael Hogan and Annie Sokol, NIST Cloud Computing Standards Roadmap Working Group Co-chairs) Status Report on JTC1 & ITU-T Collaborative Teams on Cloud Computing Progress Update of NIST SP 500-291 – Standards Roadmap	
B03:	Cloud Metrics (Frederic De Vault, NIST Associate, Chair, Metrics Working Sub-Group of Ref. Arch. & Taxonomy) Security Reference Architecture (Micheala Iorga Senior Security Technical Lead for Cloud Computing, Chair, NIST Cloud Computing Security WG, Co-Chair, NIST Cloud Computing Forensic Science WG) Enabling an Enterprise-wide, Data Centric Computing Environment through the Policy Machine (Dave Ferraiolo)	
B04:	Exploring the Formation of new Working Groups at the Intersection of cloud and big data and Use-Case Collection	
B05:	Definition, key characteristics Challenges of big data and Research Roadmap Kickoff	
11:40	Report Out & Workshop Next Steps	
12:30	Closing Remarks	
12:40	Adjourn	
1:00 - 3:00	Optional - PLEASE BRING YOUR LUNCH AND JOIN US Session One: Standards Roadmap Working Group Meeting, Michael Hogan and Annie Sokol, NIST Cloud Computing Standards Roadmap Working Group Co-chairs Session Two: Cloud Metrics Sub- Group Meeting, Frederic De Vault, Chair, Cloud Metrics Sub-Group of the Reference Architecture & Taxonomy Working Group	