

The Intersection of Cloud and Mobility

National Institute of Standards and Technology • Gaithersburg, MD

The New Frontiers in IT and Measurement Science

Rapid advances in mobile cloud computing are bringing sweeping changes to the way mobile computing and communication services are delivered around the globe. More than an incremental change, mobile cloud computing is expected to radically alter users' working and life styles.

From

To

Cloud and Mobility ~ Cloud provides ubiquitous, on-demand, elastic, self-configurable, cost effective computing. Mobile devices are accessible, convenient gadgets, with regional wireless communication services and limited data services that have limited computing and power resources.



Cloud Mobility ~ Low-end mobile devices access diverse and scalable cloud computing resources and globally connected mobile enabled resources to receive unlimited mobile application services.

Invited Speakers:

Steven L. VanRoekel, US CIO and Administrator, Office of Electronic Government, OMB

Teri Takai, Acting Assistant Secretary of Defense, CIO, DoD

Donna Roy, Executive Director, Information Sharing Environment, DHS

Pamela J. Wise-Martinez, Chief Architect, CIO-NNSA

Pat Gallagher, Director, NIST

Gunnar Hellekson, Chief Technology Strategist, Red Hat

Robert Vietmeyer, Chief Architect, CIO, DoD

Daniel Lee, Lead AF TENCAP/TCE, USAF

As part of its continuing cloud computing series, the National Institute of Standards and Technology is hosting a new forum on Cloud and Mobility. Join experts in the fields of cloud, mobility, and measurement for thought-provoking plenary talks, panel presentations, facilitated breakout discussion, poster sessions, and networking around these themes:

- Federal Perspectives on Cloud and Mobility
- The Vision for Cloud and Mobility
- Current State of Cloud and Mobility Intersections
- Intersections of Cloud and Mobility on the Horizon
- Bringing Mobility and Cloud Together—
- Challenges and Lessons Learned
- Path Forward to a Federated Mobile Cloud
- Lessons Learned in Mobility
- Challenges for Cloud and Mobility, including
 - Use Cases, Technologies, Consumer Issues
 - Domain- and Sector-Specific Perspectives

Breakout sessions will feature discussion of issues and actions:

Future Directions for Cloud and Mobility

Federated Community Cloud Roadmap PAP

The Future Cloud and its Implications for Mobility

Accessibility Cloud Roadmap PAP

The Future of Mobility and its Implications for the Cloud

Challenges at the Intersection of Cloud and Mobility

Reliability Design Goals Research
Privacy and Security Issues

Cloud-Enhancing Mobility Applications
Ubiquitous Computing

Path Forward: Working Together on Major Challenges

Federated Mobile Cloud
Privacy and Security

Accessibility
Ubiquitous Computing

Who Should Attend:

Leaders in cloud computing and mobility from the government, private, and academic sectors Architects, researchers and implementers of cloud computing and mobility technologies

Day 1 ~ October 1, 2013

VISION/FORWARD THINKING

8:00	Registration and Networking
9:00	Welcome & Opening Remarks
9:10	Keynote Speakers
	Federal Perspectives on Cloud and Mobility The Vision for Cloud and Mobility
9:50	Introduction to Forum and Workshop
10:00	Moderated Panel
	Current State of Cloud and Mobility Intersections
11:30	Plenary Session
	Progress on USG Cloud Computing Technology Roadmap Priority Action Plan Successes Security Reference Architecture, Metrics, Service Level Agreements, Standards
12:45	Lunch and Poster Session, Café Conversations
2:00	Moderated Panel
	Intersections of Cloud and Mobility on the Horizon – near and future applications and technologies
3:10	Breakout Sessions
	Future Directions for Cloud and Mobility Federated Community Cloud Roadmap PAP Accessibility Cloud Roadmap PAP The Future Cloud and its Implications for Mobility The Future of Mobility and its Implications for the Cloud
4:45	Closing Remarks

Day 2 ~ October 2, 2013

CHALLENGES FOR CLOUD AND MOBILITY

8:00	Registration and Networking	8:00
9:00	Welcome and Opening Remarks	9:00
9:10	Day 1 Report Out	9:10
9:30	Keynote Speaker	9:30
	Bringing Mobility and Cloud Together – Key Challenges and Lessons Learned	
9:50	Introduction to Forum and Workshop	9:50
10:00	Moderated Panel	10:00
	Lessons Learned in Mobility	
11:30	Plenary Session 1	11:30
	Challenges for Cloud and Mobility – Use Cases, Technologies, Consumer Issues Technology, Business/Economic, Privacy & Security, and Behavioral Challenges	
12:45	Lunch and Poster Session	12:45
2:00	Plenary Session 2	2:00
	Challenges for Cloud and Mobility – Domain- and Sector-Specific Intelligence, First Responders, Healthcare, Financial/Banking/Business	
3:10	Breakout Sessions	3:10
	Challenges at the Intersection of Cloud and Mobility Reliability Design Goals Research Privacy and Security Issues Cloud-Enhancing Mobility Applications Ubiquitous Computing	
4:45	Closing Remarks	4:45

Day 3 ~ October 3, 2013

PATH FORWARD

8:00	Registration and Networking	8:00
9:00	Welcome and Opening Remarks	9:00
9:10	Day 2 Report Out	9:10
9:30	Keynote Speaker	9:30
	Path Forward to a Federated Mobile Cloud	
10:00	Charge for Breakouts: Objectives and Outcomes	10:00
10:15	Breakout Sessions	10:15
	Path Forward: Working Together on Major Challenges Federated Mobile Cloud Privacy and Security Accessibility Ubiquitous Computing	
11:45	Report Out	11:45
12:15	Next Steps/Adjourn	12:15

October 1-3, 2013

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