

The Intersection

of Cloud and Mobility

**Forum and**

**Workshop**

**October 1-3,**

**2013**

**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.

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| 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. |
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| 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:

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**

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| **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 |
| **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  Opportunity ⚫ Vision ⚫ Challenges ⚫ Path to the Future  Ubiquitous Computing |

Opportunity ⚫ Vision ⚫ Challenges ⚫ Path to the Future

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| AGENDA | The Intersection of Cloud and Mobility **National Institute of Standards and Technology ⚫ Gaithersburg, MD** |

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|  | **Day 1 ~ October 1, 2013** | **Day 2 ~ October 2, 2013** |  |
|  | **VISION/FORWARD THINKING** | **CHALLENGES FOR CLOUD AND MOBILITY** |  |
| **8:00** | Registration and Networking | Registration and Networking | **8:00** |
| **9:00** | Welcome & Opening Remarks | Welcome and Opening Remarks | **9:00** |
| **9:10** | Keynote Speakers  **Federal Perspectives on Cloud and Mobility**  **The Vision for Cloud and Mobility** | Day 1 Report Out | **9:10** |
| Keynote Speaker  **Bringing Mobility and Cloud Together – Key Challenges and Lessons Learned** | **9:30** |
| **9:50** | Introduction to Forum and Workshop | Introduction to Forum and Workshop | **9:50** |
| **10:00** | Moderated Panel  **Current State of Cloud and Mobility Intersections** | Moderated Panel  **Lessons Learned in Mobility** | **10:00** |
| **11:30** | Plenary Session  **Progress on USG Cloud Computing Technology Roadmap Priority Action Plan Successes**  Security Reference Architecture, Metrics,  Service Level Agreements, Standards | Plenary Session 1  **Challenges for Cloud and Mobility – Use Cases, Technologies, Consumer Issues**  Technology, Business/Economic, Privacy & Security, and Behavioral Challenges | **11:30** |
| **12:45** | Lunch and Poster Session, Café Conversations | Lunch and Poster Session | **12:45** |
| **2:00** | Moderated Panel  **Intersections of Cloud and Mobility on the Horizon** – near and future applications and technologies | Plenary Session 2  **Challenges for Cloud and Mobility – Domain- and Sector-Specific**  Intelligence,First Responders, Healthcare, Financial/Banking/Business | **2:00** |
| **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 | Breakout Sessions  **Challenges at the Intersection of Cloud and Mobility**  Reliability Design Goals Research  Privacy and Security Issues  Cloud-Enhancing Mobility Applications  Ubiquitous Computing | **3:10** |
| **4:45** | **Closing Remarks** | **Closing Remarks** | **4:45** |

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|  | **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  **Path Forward to a Federated Mobile Cloud** | **9:30** |
| **10:00** | Charge for Breakouts: Objectives and Outcomes | **10:00** |
| **10:15** | Breakout Sessions  **Path Forward: Working Together on Major Challenges**   |  |  |  |  | | --- | --- | --- | --- | | Federated Mobile Cloud | Privacy and Security | Accessibility | Ubiquitous Computing | | **10:15** |
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| **11:45** | Report Out | **11:45** |
| **12:15** | Next Steps/Adjourn | **12:15** |

October 1-3, 2013

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