Proposed Outline

• Time: 1015 to 1145
  – 1015 to 1115: Discussion
  – 1115 to 1145: Develop Report for 1200

• Topics
  – Roadmap for Cloud Computing Standards
  – Accelerating Standards Development
  – Testing
  – Other?
  – Report of our Brainstorming
Roadmap for Cloud Computing Standards

- Who is developing cloud computing standards roadmaps?
- Do these roadmaps reference a vendor neutral, high level architecture?
- When will these roadmaps be ready for use?
- How should the USG leverage these roadmaps to develop the cloud computing standards portion of the USG roadmap?
Accelerating Standards Development

• The USG is developing use cases.
• Use cases define requirements.
• Where should the USG submit its requirements in support of cloud computing standards projects?
• Are there priority areas for voluntary consensus standards?
  – Interface standards (e.g., Common Cloud Computing Interface)?
  – Profiles?
    • Cloud Software as a Service (SaaS)?
    • Cloud Platform as a Service (PaaS)?
    • Cloud Infrastructure as a Service (IaaS)?
ICT Standards Development Cycle

Application Requirements

Requirements

Base Standards Development

Profile Development

Product/Service/Test Tools Development

Testing

Deployment
Testing

• What testing is being developed in support of cloud computing standardization?
  – Conformance testing?
  – Interoperability testing?
  – Reference implementations?
  – Security testing?

• Who is doing/should be doing this testing?
  – 1st, 2nd, or 3rd party testing?
  – Certification?
  – Laboratory accreditation?
Product Developers (1st Party) → Customers (2nd Party) → 2nd Party Testing Lab → Laboratory Accreditation Bodies → 3rd Party Accredited Testing Labs → Validation/Certification Bodies → Validated/Qualified/Approved/etc. Product Lists

Standards and Test Tools

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National Institute of Standards and Technology
U.S. Department of Commerce

Information Technology Laboratory
Report

• Roadmaps for Cloud Computing Standards

• Accelerating Standards Development

• Testing