NIST Cloud Computing Forensic Science Workshop:

**Introduction**

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Purpose of Workshop

- Discuss the current state of cloud forensics
- Identify challenges, particularly related to technical issues
- Discuss the future of cloud forensics
- Define next steps and a path forward
Today’s Sessions

- Keynote Address
- Cloud Forensics Challenges and Lessons Learned
- Cloud Forensics Challenges – NIST Public Working Group
- Cloud Forensics “Musts”, “Needs” and “Dreams”
- Next Steps in Cloud Forensics – Panel discussion
- Cloud Forensic Science Roadmap – Facilitated discussion

- Many thanks to the international experts who are speaking and moderating today.
Cloud Forensics Challenges

“NIST Cloud Computing Forensic Science Challenges.”

- A document being written by the NIST Cloud Computing Forensic Science Public Working Group
- We plan to post the document on the NIST Twiki very soon for public comments

- Presentation at 11:30 a.m. -- overview of the challenges and how the Working Group collected them. This presentation will be given by Keyun Ruan and Mike Salim, members of the Working Group.
Cloud Forensics Roadmap Session

- Facilitated session at 3:30 p.m. to help get started with a roadmap.
- Session will address the following questions:
  - What does the future state of cloud forensics look like?
  - What are the barriers to implementing the future state?
  - What does a roadmap to achieve the future state look like?
- This is meant to be a brainstorming session -- attendees will be asked to provide their views on each question
- Bob Jackson and I will moderate. Joshua Nail will take notes.
- After the workshop, we will write up a brief document to summarize these discussions, and hopefully provide a set of initial ideas towards a roadmap.
Next Phase for Working Group

• Prioritize the challenge categories
  – Based on importance, urgency
  – Based on whether solutions involve technology, standards, or measurements components

• Choose the highest priority challenges and determine gaps in technology, standards and measurements to address these challenges

• Develop a roadmap to address these gaps
Polling Questions

https://www.surveymonkey.com/s/CloudFS

Once you have answered all the questions, you will see the survey results (of those who have completed it).

These results will be on the screen for our last two sessions: *Moderated Panel* and *Facilitated Discussion*. 
Twitter

- We are promoting the hashtag #NISTCloud
- Participants can live tweet using that hashtag to talk to other participants, to ask questions, to share their thoughts
- We will monitor the twitter chatter throughout the workshop