The New Frontiers in Forensic Science

Rapid advances in cloud computing require new methodologies for performing digital forensics in cloud environments. More than an incremental change, cloud computing is expected to radically alter first responders' and investigators' operations.

The National Institute of Standards and Technology is hosting a new workshop on Cloud Forensic Science. Join experts in the fields of cloud, digital forensics, and measurement for thought-provoking plenary talks, panel presentations, facilitated discussion, and networking around these themes:

- Perspectives on Cloud Forensic Science
- The Vision for Cloud Forensic Science
- Current State of Cloud Forensic Science -- Challenges and Lessons Learned
- Path Forward for Cloud Forensics

Sessions will feature discussion of issues and actions:
- The Future of Forensic Science in the Cloud
- Challenges for Cloud Computing Forensic Science
- The Path Forward to Achieve the Vision Panel/Facilitated discussion
  - What does the future state of cloud forensics look like?
  - What are the barriers to implementing the future state?
  - What does a road map to achieve the future state look like?

WHO SHOULD ATTEND:

Leaders in cloud computing and digital forensics from the government, private, and academic sectors

Architects, researchers and implementers of cloud computing and mobility technologies
AGENDA

1:00 PM – 1:15 PM  Welcome remarks and goals of workshop
   - Dr. Martin Herman, Senior Advisor, NIST

1:15 PM – 1:45 PM  Keynote address: A vision about cloud forensics and desired capabilities
   - Bill Murray, Manager – AWS Security Services, Amazon

1:45 PM – 2:15 PM  Cloud Forensics Challenges – FSWG research
   - Dr. Keyun Ruan, Chairperson and CRO, XENSIX Inc.
   - Mike Salim, CTO, American Data Technology

2:15 PM – 3:15 PM  Plenary Session: Cloud forensics challenges and lessons learned
   • Defense/Intelligence Sector
     – Peter Trahon, Chief, Cyber Division, FBI (invited)
   • Private Sector
     – Ernesto Rojas, President, Forensic & Security Services
   • Academia view
     – Nancy Landreville, Professor, UMUC

3:15 PM – 3:25 PM  Break

3:25 PM – 4:50 PM  Panel Discussion: A Cloud Forensics Roadmap to Horizon
   Moderator
   – Dr. Josiah Dykstra, Computer Security Researcher, DoD
   Panelists:
   – Dr. Ken Zatiko, Vice President, Maryland Operations, AIS
   – Randy Simpson, Institute of Defense Analysis
   – Inno Eroraha, Founder and Chief Strategist, NetSecurity Corporation
   – Sam Brothers, Sr. Digital Forensics Engineer, US Customs and Border Protection
     (invited)
   – Tomohiko Yamakawa, Research Program Director, NTT, Japan (invited)

4:50 PM - 5:00 PM  Meeting Summary and Roadmap briefing.

5:00 PM  Adjourn