NIST Workshop – Privilege Management

Track 2:Models and Frameworks
Track 3:State of the Practice and Research

Vincent Hu, NIST

Mark Ratzlaff, NSA

Kenneth Berends, NSA

Dave Ferraiolo, NIST

Goals and Objective

- Characterize prominent access control mechanism to better understand their application to the overall problem space, and to further the description of these mechanisms towards a NISTIR and/or Special Publication

- Investigate new and existing research directions

Day 1 – Policy Enforcement
Track 2 and 3

- Policy Enforcement – Mark Ratzlaff, Kenneth Berends
- Polices, Models, and Mechanisms – Dave Ferraiolo
- Verification of Access Control Properties and Models – Prof. Tao Xie and Vincent Hu
- Enterprise Access Control (ABAC and PBAC) – Russ Reopell

Day 2 – Policy Enforcement
Track 2

- Enterprise Access Control application (TPSC, FICAM, HSPD12, etc) – LTC Tim Schmoyer and Russ Reopell
- Toward next NISTIR and Special Publication – Mark Ratzlaff and Vincent Hu

Day 2 – Research Directions
Track 3

- Policy Machine: What is under the hood? – David Ferraiolo
- Research topics
  - Federated access control
  - Policy management
  - Object discovery and search
  - Content protection
  - Controlling programs in execution
  - Others