

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
- Policies, 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