Policy 2011 Panel

The Policy Decade: has it delivered?

Panelists:

- Morris Sloman, Imperial College London
  Policy-based management
- Jeff Kephart, IBM TJ Watson Lab, New York
  Autonomic management
- Arosha Bandara, Open University, UK
  Policy analysis & refinement
- Fabio Massacci, University of Trento, Italy
  Security issues

Policy 2001

- Hosted by HP Labs Bristol – a sell out!
- Keynotes
  - Joe Pato HP– eBusiness security
  - John Strassner Cisco – IETF/DMTF standards
  - Rick Roeling HP – PolicyXpert,
  - Matt Blaze AT&T – Trust Management
  - Virgil Gligor Univ. Maryland – Access Control
- Notable Topics
  - Ponder Policy Language
  - Monitors for history based policies
  - Role based languages
  - QoS & SLA management
  - Policy based storage management
  - Standards

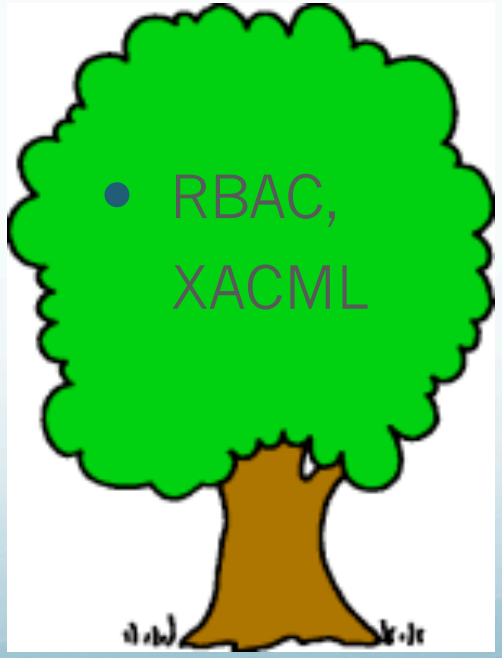
2001 Policy Future

- Adaptive management for:
  - Network & systems
  - Storage
  - Security
- Unified Common standards

Policy Standards

- Network & System Management:
  - IETF & DMTF:
  - TMF: DenNg

- Security



Policy in Industry

- Bell Labs PDL
- Startups
  - Orchestream
  - Intelliden
- HP Policy Xpert
  - Policy support now in OpenView
- IBM dumped all management work & bought Tivoli
  Many policy systems:
  - Trust Policy Language, Policy middleware for autonomic computing, Enterprise privacy authorization language, Unity

Refinement & Analysis

- Formal methods to support goal refinement and policy conflict analysis
- Too complex – academic research

Policy 2011

- Research languages e.g. Ponder2
- Multiplicity of industry-based product oriented policy tools
- No widely accepted standards
- Active policy analysis and refinement research

Policy: the future

- Policy has not delivered
- Will remain a niche research area
- Issues relating to ubiquitous systems, mobility, social networks and privacy for the future
- Learning policies