NMRG Status Report '2008

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71st IETF Meeting in Philadelphia

NMRG History and Statistics

- First inofficial meeting in Lausanne November 1998
- Formally approved by the IAB in March 1999
- 24 meetings at various places since formation
- Produced four NMRG RFCs
- One ID just passed RG last call
- Involved in 15 other publications by NMRG members
- Currently ≈ 180 subscriptions on the mailing list

NMRG Business Model

- Collaboration and discussion forum
- Bridging gaps between academia, industries, operators, standards developing organizations (SDOs), . . .
    - Improve mutual understanding
    - Participation of people from different SDOs to exchange viewpoints (ITU, CIM, W3C, IETF)
- Interactive 1-2 day meetings
    - usually co-located with other events
    - hosted by a supporting institution (low cost)
    - presentations followed by intensive detailed discussions

NMRG Projects

- Terminology (RFC 3444)
- SNMP Evolution (RFC 3430)
- SMIng (RFC 3780, RFC 3781)
- Performance of Web Services for Management
- Modeling Management Interactions (ongoing)

Research Challenges

- Management models for fully distributed and self-* technologies
- Distributed monitoring (adaptable, lightweight)
- Data analysis and effective visualization
- Economic aspects of network management
- Uncertainty and probability
- Ontologies for a higher level of automation
- Understanding the behavior of managed systems

NMRG Future

- Idea: Start work on some of the research challenges
- So far, this has not been successful
- Problem: Many researcher do not see the value of contributing on technical specifications to the IRTF
- But workshop attendance is considered valuable
- Problem: low energy level on technical work in the NMRG
- Fresh minds are needed to drive the NMRG forward

Discussion

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