Internet2 QoS Working Group

Virtual Internet2 Member Meeting

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October 4th, 2001
Today’s Agenda

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85 minutes
Status

Significant work on Premium service over past 3 years to provide “safety belt” to advanced applications

Need for QoS has not materialized

Obstacles to Premium deployment

- **Practical**: all–or–nothing network upgrades, lack of vendor support, dramatic changes to operations and peerings

- **Theoretic**: subtle problems in understanding of aggregation model

Specification and deployment of Scavenger service proceeding nicely
Non–Elevated Services

• Promote light–weight, incrementally–deployable services that require no policing, admissions, etc.
• QBSS, but also ABE–like services

Elevated Services

• Suspend all deployment efforts
• Document Premium deployment frustrations
• Fix architecture or document its unresolved problems
• Evaluate other elevated service models w.r.t. deployability and value to applications
Applications

• Complete systematic survey of application QoS needs
• Investigate value of a service–specific service (e.g. VoIP)

Research

• Measurement and analysis to understand application performance and use of new services
• Support QoS networking researchers
• Track congestion related end–to–end performance problems and their resolution
For more information...

**Internet2 QoS Working Group Home:**
- http://www.internet2.edu/qos/wg/
- Links to all WG design teams may be found here

**QBone Home:**
- http://qbone.internet2.edu/

**“Future Priorities for Internet2 QoS” paper:**