



Internet2 QoS Working Group

Virtual Internet2 Member Meeting

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Today's Agenda

<i>15</i>	<i>Ben Teitelbaum</i>	<i>WG Strategic Directions</i>
<i>10</i>	<i>Amela Sadagic</i>	<i>Applications QoS DT</i>
<i>5</i>	<i>Phil Chimento</i>	<i>QBone Signaling DT</i>
<i>15</i>	<i>Mauro Campanella</i>	<i>DANTE Premium IP</i>
<i>10</i>	<i>Stanislav Shalunov</i>	<i>QBone Scavenger DT</i>
	<i>QBSS Experience Reports</i>	
<i>10</i>	<i>Les Cottrell</i>	<i>SLAC</i>
<i>10</i>	<i>Chris Robb</i>	<i>IU/TRANSPAC</i>
<i>10</i>	<i>Dave Hartzell</i>	<i>GPN</i>

85 minutes

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:

- <http://www.internet2.edu/qos/wg/papers/qosFuture01.pdf>



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