IETF-89 AQM WG

http://www.ietf.org/mail-archive/web/aqm/current/maillist.html

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IETF-89 AQM WG Agenda

Day	Time	Topics	Speaker
Tuesday	14:20	WG Status & Agenda Bashing	Chairs
	14:30	AQM Recommendations draft-ietf-aqm-ecommendations	Gorry / Fred
	14:40	ECN Benefits Manifesto draft-welzl-ecn-benefits	Michael Welzl / Gorry
	14:55	AQM Evaluation Guidelines draft-kuhn-aqm-eval-guidelines	Nicolas Kuhn
tentative	15:40	Global Synchronization Protection AQM draft-lauten-aqm-gsp	Wolfgang Lautenschlaeger
	15:45	DOCSIS PIE-variant AQM draft-white-aqm-docsis-pie	Greg White

WG / Milestone Items

• Jan 2014:

Submit AQM recommendations to IESG for publication

- draft-ietf-aqm-recommendations RFC2309bis
- Jul 2014

Submit AQM algorithm evaluation guidelines to IESG for publication

- draft-kuhn-aqm-eval-guidelines
- Dec 2014

Submit first algorithm specification to IESG for publication

Global Synchronization Protection for Packet Queues draft-lauten-agm-gsp-00

Today: bandwidth * delay product per link (BDP)

Goal: Reduce queue size from BDP per link towards BDP per

flow

with N bottleneck sharing TCP flows:

$$BDP \rightarrow BDP/\sqrt{N} \rightarrow BDP/N$$

Result:

- Minimalistic extension to tail drop
- Deterministic drop decisions randomness comes from traffic only
- Basic Algorithm is memoryless the queue is the memory robust to quickly changing conditions
- Tested with Ethernet / Linux testbed
- Presentation at ICCRG meeting

draft-white-aqm-docsis-pie-00

- Describes in detail the new AQM requirements for DOCSIS 3.0 and DOCSIS 3.1 modems and CMTS
- Describes the deltas between PIE and DOCSIS-PIE
- Also, see slide deck from ICCRG yesterday