QoS Operational Yang Model

http://www.ietf.org/id/draft-asechoud-rtgwg-qos-oper-model-04.txt

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Topics

- Motivation

- Model Overview

- Classifier Counters

- Named Counters

- Meter Counters

- Queue Counters

- Next Steps

Motivation

- A single draft for configuration and operation model is too big an effort

- Involved discussions to agree on each QoS counter

- Mechanism to present various QoS Counters for better Network Visibility

Model Overview

- Augmentation to Interface Model

- Per Classifier Statistics Vs Named Statistics

- Meter Statistics

- Queue Statistics

Classifier Statistics

Each Classifier in a Policy instance supports :

- Match Packets

- Match Bytes

- Average Rate of traffic

Named Statistics

- Like classifier statistics, supports packets count, bytes count and average rate

- Referred by statistics name

- It represents aggregated counters sharing the same statistics name

Meter Statistics

- Common meter statistics for one rate two color, two rate three color and one rate three color meters

- Counters are maintained for Confirm, Exceed and Violate (if applicable)

- Packets count, Byte count and Average Rate are maintained

Queue Statistics

- Per Queue Statistics

- Conform and Exceed Packets Count.

- Current, Average and Peak Queue Size

- Tail Drops

Next Steps

- Solicit inputs from IETF community