DetNet Flow Information Model

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Introduction

- This presentation summarizes the major changes to be done to the draft in order to bring it up-to-date
- Additional smaller changes may be needed, they are not listed here.
- Current draft: draft-ietf-detnet-flow-information-model-01

In-order / Out-of-order Delivery

- New QoS attribute has been introduced by the architecture draft: Maximum allowed misordering.
- Some DetNet applications are unable to tolerate any out-of-order delivery.
- It is a binary attribute at the moment.
- It should be refined
- Suggestion to define maximum allowed/tolerable misordering:
  - maximum number of misordered packets, e.g., a delta of sequence numbers between the highest sequence number that was just received and the lowest sequence that is acceptable

Attribute Refinements

- Further attributes require refinement, e.g., jitter.

Consistency To Be Improved in The Draft

1. User's view: parameters that are defined by the user for its flow (it may be application specific)
2. Network's view: service parameters that the network provides for a DetNet flow
3. User network interaction: parameters the user signals to the network

Consistency To Be Ensured among Drafts

- Bringing this draft up-to-date implies improving consistency.
- Special case is needed between the flow information and the YANG configuration model