

Inter-domain SLA Exchange

<http://www.ietf.org/id/draft-ietf-idr-sla-exchange-02.txt>

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Topics

- Take-away from IETF 86 (including feed-back from tsvwg)
- Changes since IETF 86
- Implementation Report
- Next Steps

Evaluate re-use of existing IANA types (This slide was presented at the IETF 86)

- RFC 5102 - IPFIX Information Element ids to represent Traffic Class (IANA Type = IPFIX Information Element Identifiers)
Re-use only Element Id + Abstract data-type
- RFC5575 – BGP Flow Specification (IANA Type = Flow Spec Component Types)
Limited set of traffic class
- RFC5975 – QSPEC Template (ref. QSPEC parameters)
Parameter ID IANA type
Limited set of traffic class
Some of the parameters are irrelevant to SLA

Feed-back from tsvwg: look at RFC2212 as a reference (RFC5975 inherits from)

Changes since IETF 86

- Re-use of IPFIX Element identifiers for Traffic Classifier Element [RFC5102]
- Rate profile using exactly same format as Tspec [RFC2212]
- Modification for proper and consistent use of Terminology
 - Eg.,
 - SLA parameter exchange is not same as establishing SLA
 - Generalize terminology to support more use-case applicability

Implementation Report

- Implementation on multiple Cisco OS
 - Supports use-cases (section “Deployment Considerations”) described in the draft
- Details of implementation report and inter-operability at <http://www.ietf.org/internet-drafts/draft-svshah-idr-sla-exchange-impl-00.txt>
- Looking for more implementations

Next Steps?