IETF ACL YANG Enhancements

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Agenda

- Support for different combinations of statistics and ACL application on an interface
- Inclusion of match & action parameters
- Open Issues found on further review
- These slides do no reflect discussion after -14
Support for different combinations of statistics

What’s in the current model?

Draft 11 provides stats support on a per ACE level. The problem is that it aggregates stats across all interfaces, which is not granular.

What’s new in draft 14?

Statistics support on a per interface/per ace basis, in both ingress and egress directions.
Support for ACL-set application on interface

What’s in the current model?

Draft 11 does not provide a way to support ACL application on an interface.

What’s new in draft 14?

Support for application of a list of ACL’s in both ingress and egress directions of an interface.
Inclusion of match and action parameters

- Added logging option as an action
- Added dscp and ecn leafs
- Added operations to source and destination port containers
Inclusion of match and action parameters

- Added headers for tcp

- Added udp headers

- Added icmp headers

- Added input-interface
Open issues

https://github.com/netmod-wg/acl-model/issues