

Flow Bindings v03

draft-ietf-mext-flow-binding-03.txt

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Main Diff v02→v03

- TSV Directorate Review
 - Added stronger health warning wording against per packet load balancing due to its potential effects on TCP (end of Section 2)
- PRO (Processing field) removed:
 - Deemed redundant
 - ADD/MODIFY processing is implied by the value of FID
 - If receiver does not have state on incoming FID then this is an ADD
 - If receiver does have state on incoming FID then this is a MODIFY

Main Diff v02→v03

- Action field values reduced
 - Now only “Discard” and “n-cast”
 - “Forward” is implemented as “n-cast” with only one BID
 - I would prefer to call this “Forward” again with 1+ BIDs
 - “Forward” associated with single BID is normal unicast forwarding
 - “Forward” associated with multiple BIDs is n-casting
- FID-PRI field clarified
 - now requires a unique value per entry
 - *Authors still think this is unnecessary (oh well!)*
- Many editorial/clarifications/bug-fixes etc by many online and offline reviews (thanks!)

Upcoming changes in v04

- Terminology
 - More strictly adopt flow definition from RFC2460
 - “a sequence of packets sent from a particular source to a particular (unicast or multicast) destination for which the source desires special handling by the intervening routers”
 - Use “flow” for single flow, “flow(s)” for aggregates
 - Use “Traffic Selector” instead of “Flow Description”
- Rename “n-cast” to “forward” (as discussed earlier)
- Bug-fix
 - Section 5.3.2.1 needs to be cleaned up from references to PRO field and “Forward” action

Ready for WG LC