DOTS Data Channel

https://github.com/boucadair/draft-ietf-dots-data-channel

DOTS WG Meeting
Montreal, July 2018

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Agenda

- Progress Status
- Pending Issues
- Next Steps
List of Issues (London)

• Issues:
  – Issue #1: Lifetime handling
  – Issue #2: Filter Direction
  – Issue #3: Filter Activation
  – Issue #4: Filtering Fields
  – Issue #5: Scope of the filters
  – Issue #6: Multiple Servers
  – Issue #7: Loop Detect
  – Issue #8: Align with netmod ACL latest revision(s)

• The outcome of the discussion was implemented in -14
Changes in -15

• Remove “fragment” from the IPv4 part of the model
  – Relies on netmod-acl

• Liaise with netmod WG and the authors of netmod-acl to clarify to check whether “protocol” covers only the base IPv6 header or it includes also “next header” of any enclosed Extension Header
  – The answer is: No
  – draft-ietf-netmod-acl-model was updated to make the scope of “protocol” clear
  – No change to the data-channel YANG module
  – Add examples to illustrate the expected behavior (IPv4/IPv6) (Clarification)
Changes in -16

- Fragment leaf is listed as a capability of each address family (Minor)
- Add a sentence to call out which information has to be included in a filtering refresh request (Clarification)
  - PUT echoing the content received in a response to a PUT request with read-only parameters removed
- Fix some nits in the examples (Minor)
Changes in -17

• Fix the issues reported in the interop (Minor)
  – One word change: Clarify that both POST and PUT has the same mandatory attributes:
    • $s/POST\/POST$ or PUT
  – One word change: Fix an example for retrieving data (including non config):
    • $s/content=\text{config}/content=all$
  – Fix the JSON in the example included in the appendix
IPv4 Fragmentation (again!)

• netmod-acl filtering is not a mask on the bits, but defies which bits are set
  – This is problematic to distinguish last fragment vs. fragmented packet
  – Handling with packets with DF set

• Proposal:
  – Update the DOTS module to solve the issue rather than reporting it to netmod
Next Steps

• The document is stable
  – Refer to the interop results
• Unless there are issues that are not covered?
  – Publish -18 (fragmentation)
  – Issue a WGLC once that version is available