

DOTS Data Channel

<https://tools.ietf.org/html/draft-ietf-dots-data-channel>
<https://github.com/boucadair/draft-ietf-dots-data-channel>

DOTS WG Meeting
Montreal, July2018

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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=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