

# A YANG Data Model for In-Situ OAM

draft-ietf-ippm-ioam-yang-06

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# Comments on WGLC before IETF115

- Discuss
  - The scope of the IOAM YANG data model is limited to configuration or also includes the presentation of IOAM data types defined in RFC 9197?
    - Maybe narrow down the scope to RFC9197 could solve many of the following questions.
  - Whether IOAM DEX is an integral part of IOAM?
    - Plan to exclude to align with RFC9197.
  - Should the IOAM YANG data model enable the configuration of an IOAM node in IOAM-DEX trace mode?
    - Plan to exclude to align with RFC9197.
  - Whether the control of only IOAM operational state (enable/disable) on a transit node creates a new DDoS attack vector against that node. Consequently, how can this risk be mitigated?
    - What if we only consider RFC9197?
  - Should the model support the presentation of the looped-back IOAM packet with the Loopback flag set?
    - Plan to exclude to align with RFC9197.
  - Should the model support the use of (configuration and presentation of the test outcomes) the Active IOAM flag?
    - Plan to exclude to align with RFC9197
  - Should the configuration of IOAM over IPv6 and/or NSH be part of this document?
    - Filter is only used to identify the target flow, and enter the IOAM process. Use the “protocol” in this draft to find the IOAM instruction. In addition, YANG just provide enough information from the configuration interface. Device may have different implantations.

# Latest Update

- Remove the IOAM-DEX and two IOAM flags to align with rfc 9197.
- Add max length constraint to both pre-allocated and incremental tracing.
- Add examples in the appendix.
- Correct editorial nits found by Tom.

# Discussions

- New request from Alex, Thomas and Greg for the IOAM-DEX option.
  - Because it's useful and could quite potentially be used.
- My suggestion is to move this draft forward as it is now. And start a new dedicated draft for IOAM-DEX with interested people.
  - Because IOAM-DEX configuration model and usage are quite different from other IOAM options.
  - Focus on IOAM-DEX with a dedicated draft.

Thank You