

# In-situ OAM (IOAM) in NSH

[draft-brockners-sfc-ioam-nsh-01](#)

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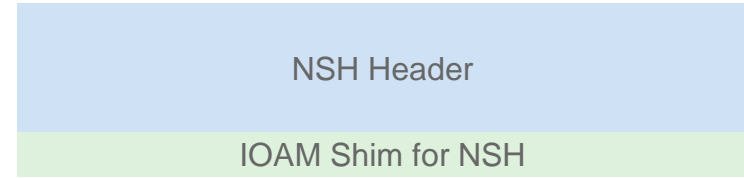
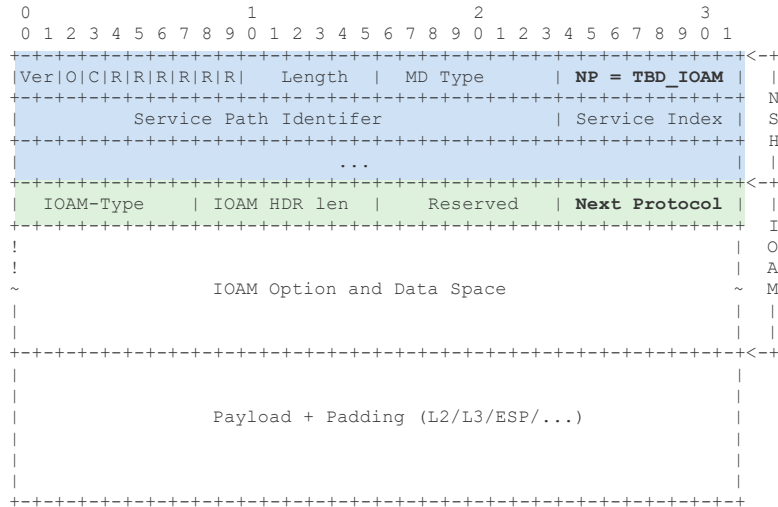
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# Key Updates from -00 to -01

- Use only a single “next protocol” code point for IOAM
  - Enabled by [draft-ietf-ippm-ioam-data-02](#):  
IOAM-Type defines the IOAM Option type  
(incremental-trace, preallocated-trace, E2E, POT)
  - Allows for consistent encapsulation approach across many protocols
- Discussion of O-bit
  - IOAM does **not** alter use of the O-bit: Packets with IOAM data might be OAM packets or user traffic. As such, packets with IOAM data might have the O-bit set or not.

# IOAM data encapsulated in NSH

([draft-brockners-sfc-ioam-nsh-01](#))



**IOAM-Type:** 8-bit field defining the IOAM Option type, as defined in Section 7.2 of [I-D.ietf-ippm-ioam-data].

**IOAM HDR Len:** 8 bit Length field contains the length of the IOAM header in 4-octet units.

**Reserved bits:** Reserved bits are present for future use. The reserved bits **MUST** be set to 0x0 upon transmission and ignored upon receipt.

**Next Protocol:** 8-bit unsigned integer that determines the type of header following IOAM protocol.

# Status/Next steps

- IOAM for NSH has been discussed in SFC several times.  
FD.io/VPP provides an open source implementation
- Can we adopt the draft in SFC?