Additional Data Fields for IOAM Trace Option Types

draft-gafni-ippm-ioam-additional-data-fields-00

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IETF 109, IPPM
November 2020
Introduction

• IOAM data draft defines data fields as part of the IOAM trace header - https://datatracker.ietf.org/doc/draft-ietf-ippm-ioam-data/
• Our intention is to define additional data fields to complement the already-defined ones in order to cover additional use cases
New Suggested Data fields

• **Tx_bytes**
  - Allows tracking the amount of data transmitted from an interface over time
New Suggested Data fields – cont’

• Interface errors
  - Allows tracking the health and quality of an interface a packet is going through. In general – the path in the network that is used by an application

• Interface speed
  - Allows tracking the capacity of an interface and the whole path a packet is going through in the network. For bigger networks, that allows an operator to adjust the usage of its infrastructure in real time
Next Steps

• Asking for the WG feedback
• Asking the WG to suggest additional important data fields to be added
• Targeting WG adoption