

# draft-zamfir-tsvwg-flow-metadata-rsvp

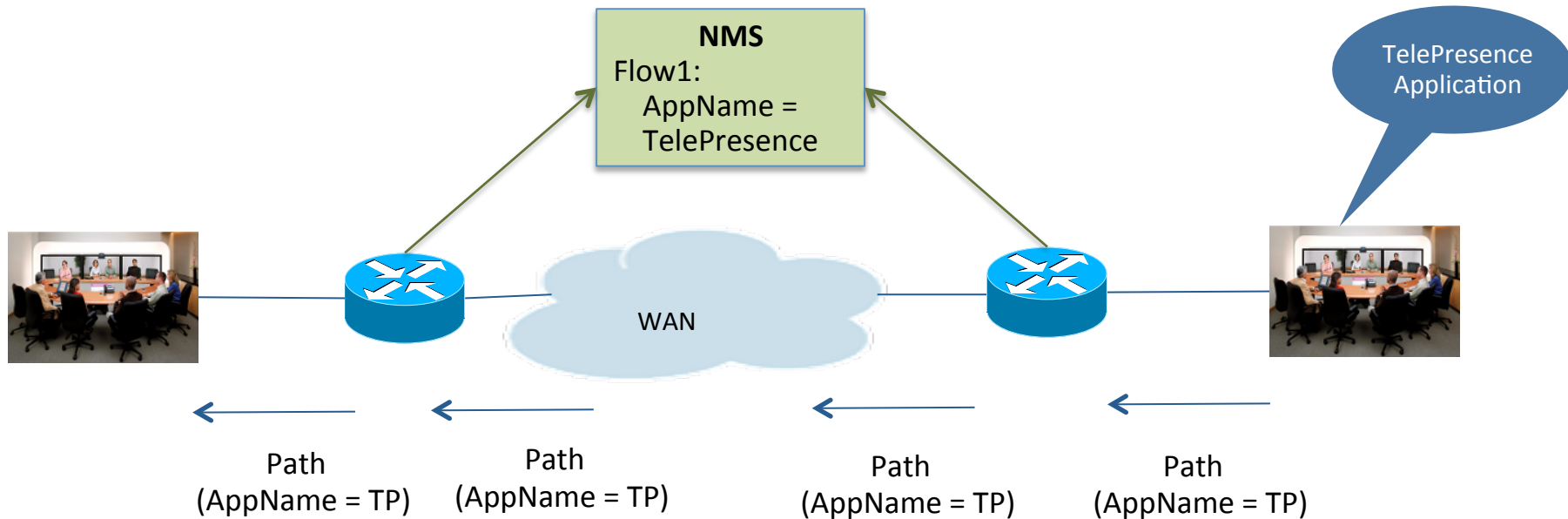
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# Context

- Application to network signaling for controlled environments:
  - Flow Metadata: Describe characteristic of the flow such as application name, type of media (audio, video) and others
  - More details in I-D.eckert-intarea-flow-metadata-framework
- Its used for:
  - Differentiated services (PBR, QoS)
  - Visibility/Reporting/Analytics
  - others
- Reasons for explicit signaling
  - DSCP ignored
  - Encryption is more ubiquitous
  - DPI is error prone / Computationally intensive / Local

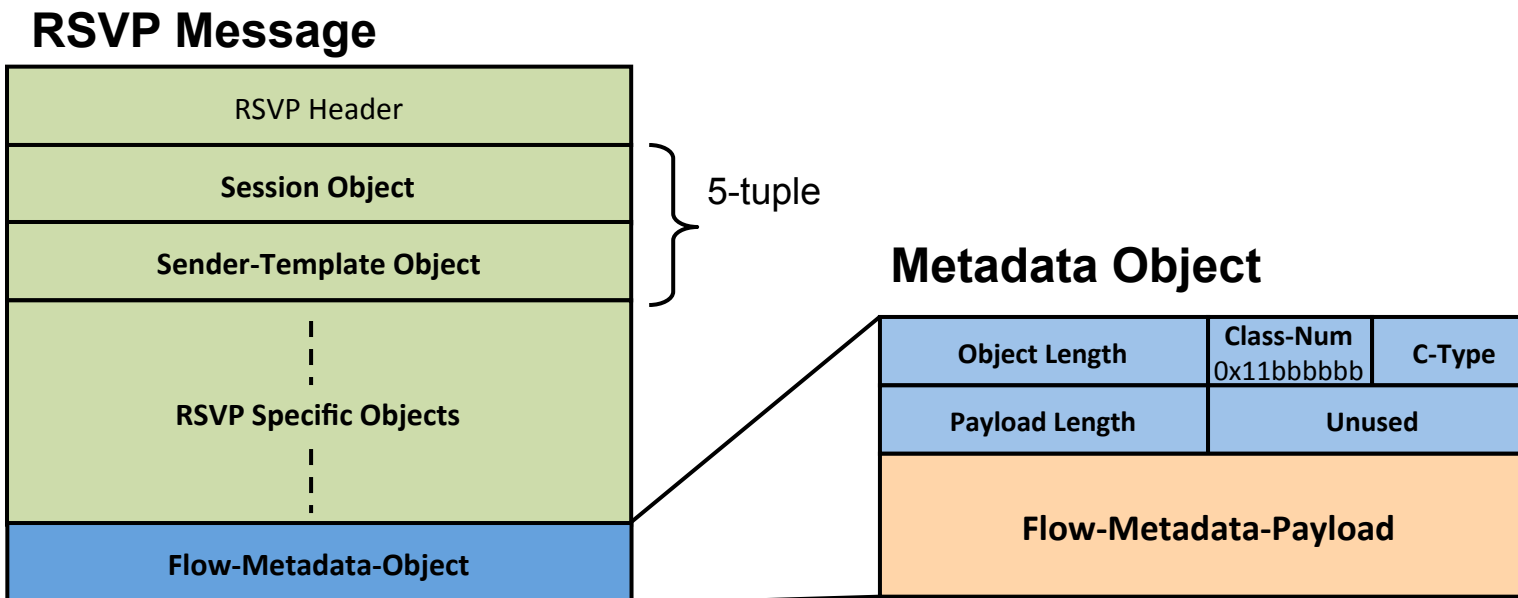
(More about this in today's next presentation)
- Why RSVP?
  - Works in controlled environments
  - Implementations already available/ deployed

# Application Visibility Use Case



- Application signals Metadata, e.g., Application Name
- Metadata is used on nodes where the feature is enabled
- Metadata is exported to the NMS, e.g., using IPFIX

# RSVP Message & Metadata Object



# Flow Characteristics Specification Summary

- PATH message signaling flow Metadata:
  - Metadata only → SENDER\_TSPEC set to 0 and no bandwidth allocated
  - CAC + Metadata session → Piggy back on the CAC session
- Metadata attributes are described in I-D.eckert-intarea-flow-metadata-framework
  - The Metadata object transports a subset of the Metadata attributes for the purpose of distributing them on path to interested nodes
- **For legacy purposes, request FLOW\_METADATA Class = 234**
  - **C-Type = 1 for Legacy Encoding**
  - **C-Type = 2 for New Encoding**
- More details in I-D. draft-zamfir-tsvwg-flow-metadata-rsvp-00

# Questions?