

# DetNet Configuration YANG Model

draft-ietf-detnet-yang-04

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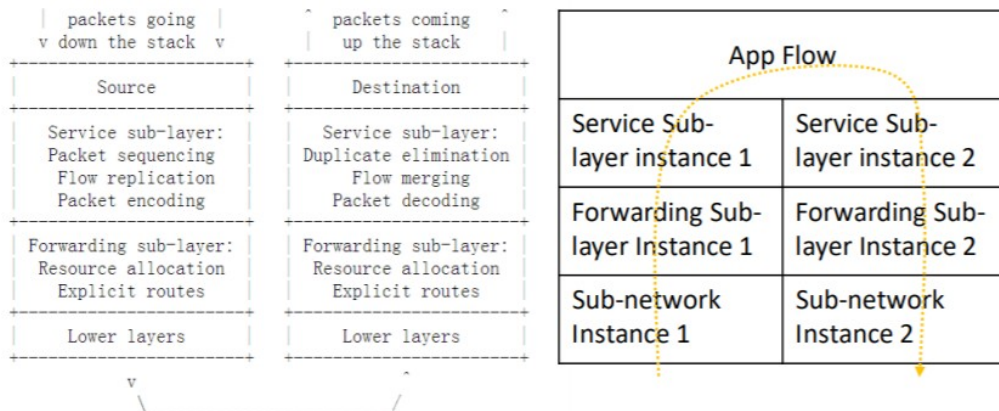
# History

- Version 00: accepted as a WG document after IETF 102
- Version 01: [ietf-detnet-topology-yang](#) is defined independently
- Version 02: updated following the feedback from IETF103
  - Add 'Sequence Number Generation'
    - OAM considerations
  - Add 'DetNet Service Decapsulation'
  - Add 'DetNet Transport Tunnel Decapsulation'
- Version 03: DetNet Configuration Structure Update in IETF104 and IETF105
- Version 04 :
  - Modify the scope of DetNet YANG Model

# Version03: DetNet Configuration YANG Model

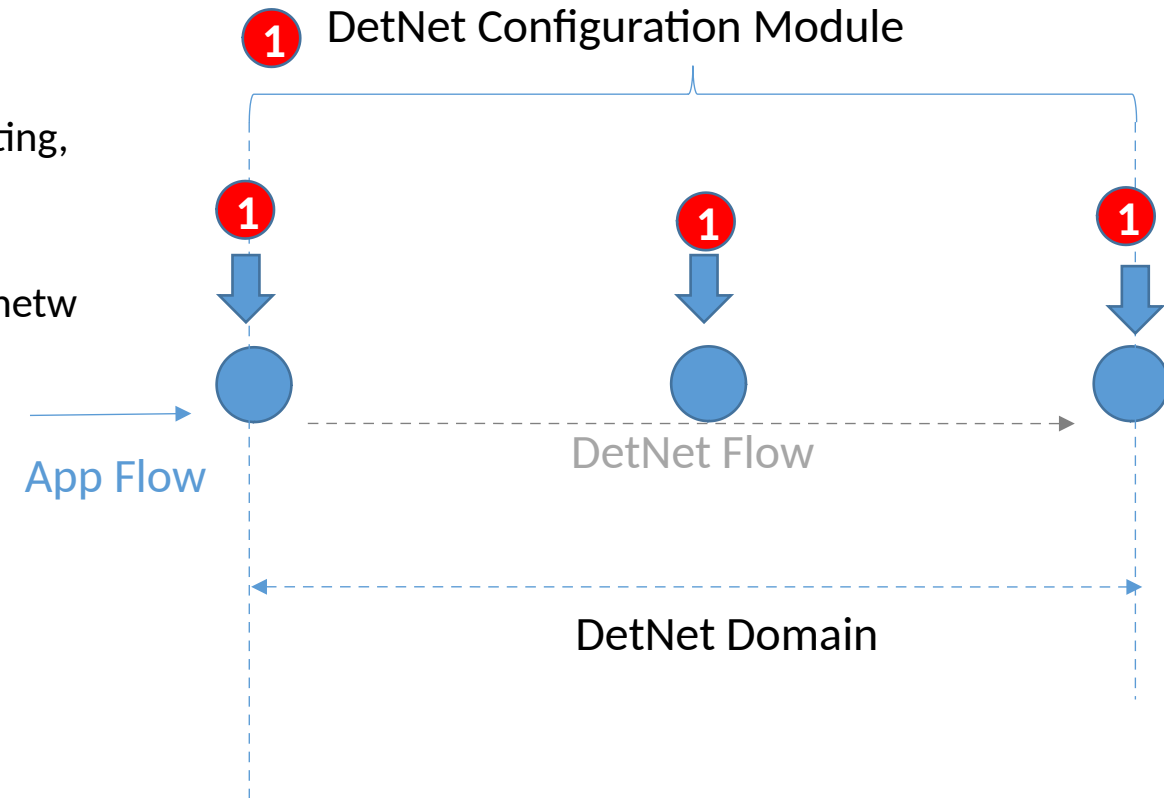
- DetNet Configuration Module

- designed for DetNet flow path establishment, flow status reporting, and DetNet functions configuration
- Including: App flow, service sub-layer, forwarding sub-layer, sub-network



DetNet data plane protocol stack\*

DetNet Configuration Instance



# Version 04: DetNet YANG Model

- DetNet Service Module

- service quality attributes

- Maximum Latency
    - Maximum Latency Variation
    - Maximum Loss
    - Maximum Consecutive Loss
    - Maximum Misordering

- service endpoints attributes

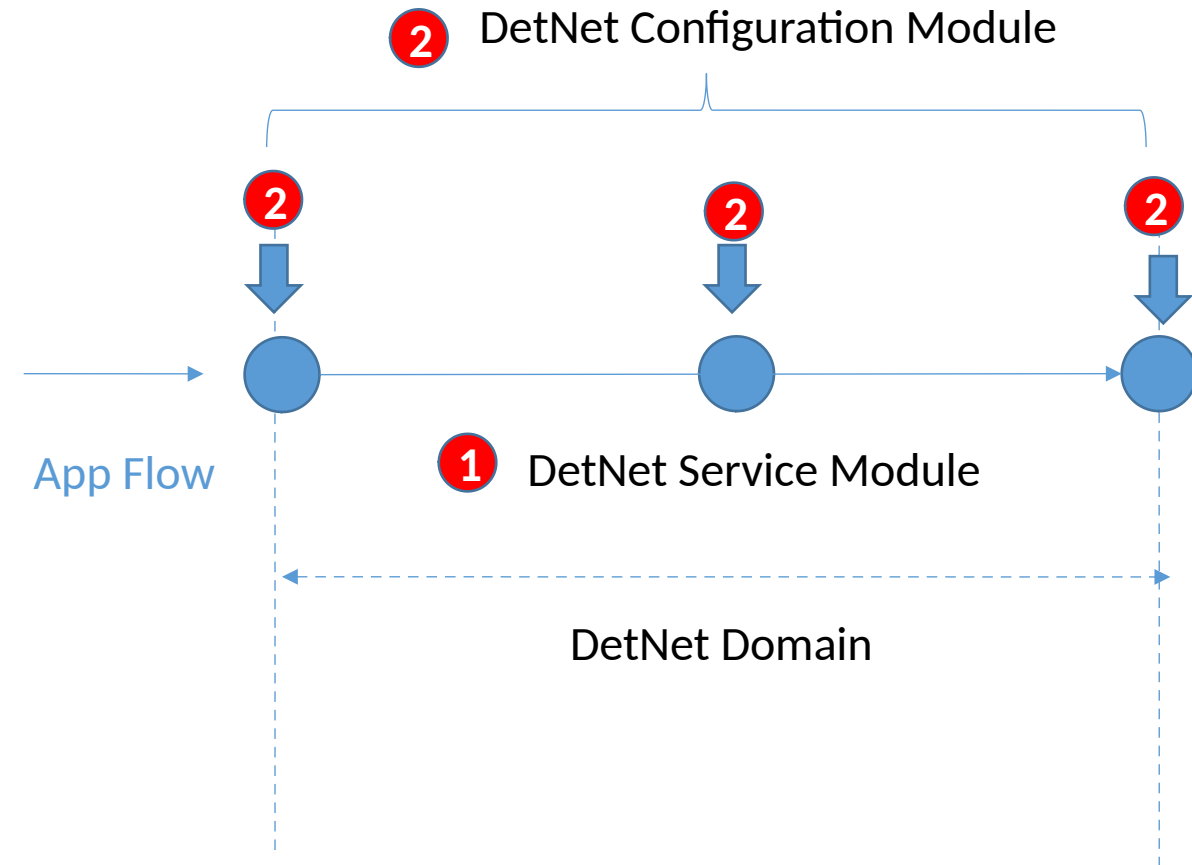
- The starting and termination reference points of the DetNet Service.

- service encapsulation type attributes

- Service Encapsulation attribute defines the data plane type of the DetNet service in a DetNet domain, e.g., MPLS, IP.

- DetNet Configuration Module

- As Previous Slides

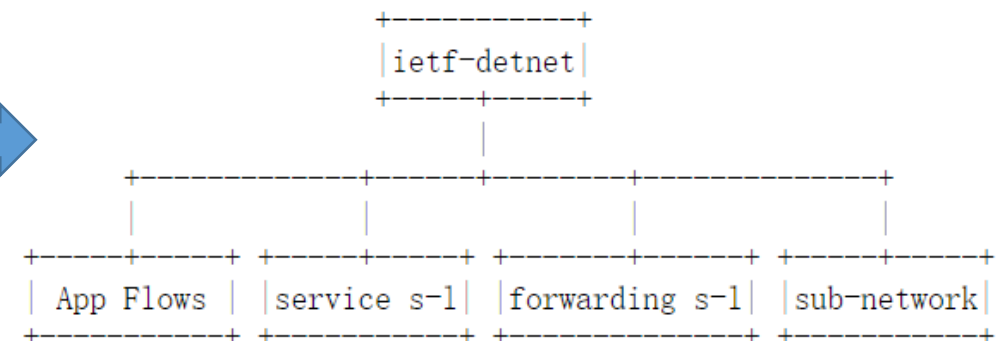
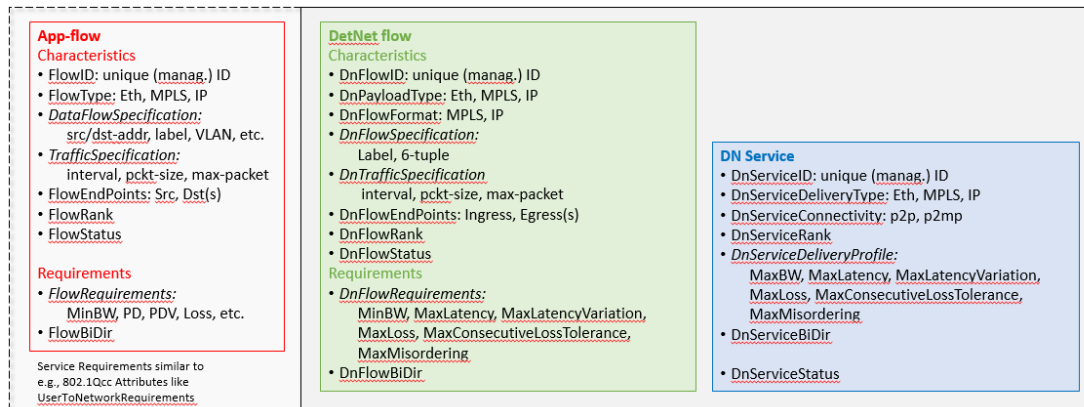


# Conclusion and Next Step

- Not well aligned yet
- TBD: Mapping between information model and YANG Model
- Plan to work together

draft-ietf-detnet-flow-information-model

draft-ietf-detnet-flow-information-model



Thanks