DetNet Configuration YANG Model

draft-ietf-detnet-yang-02

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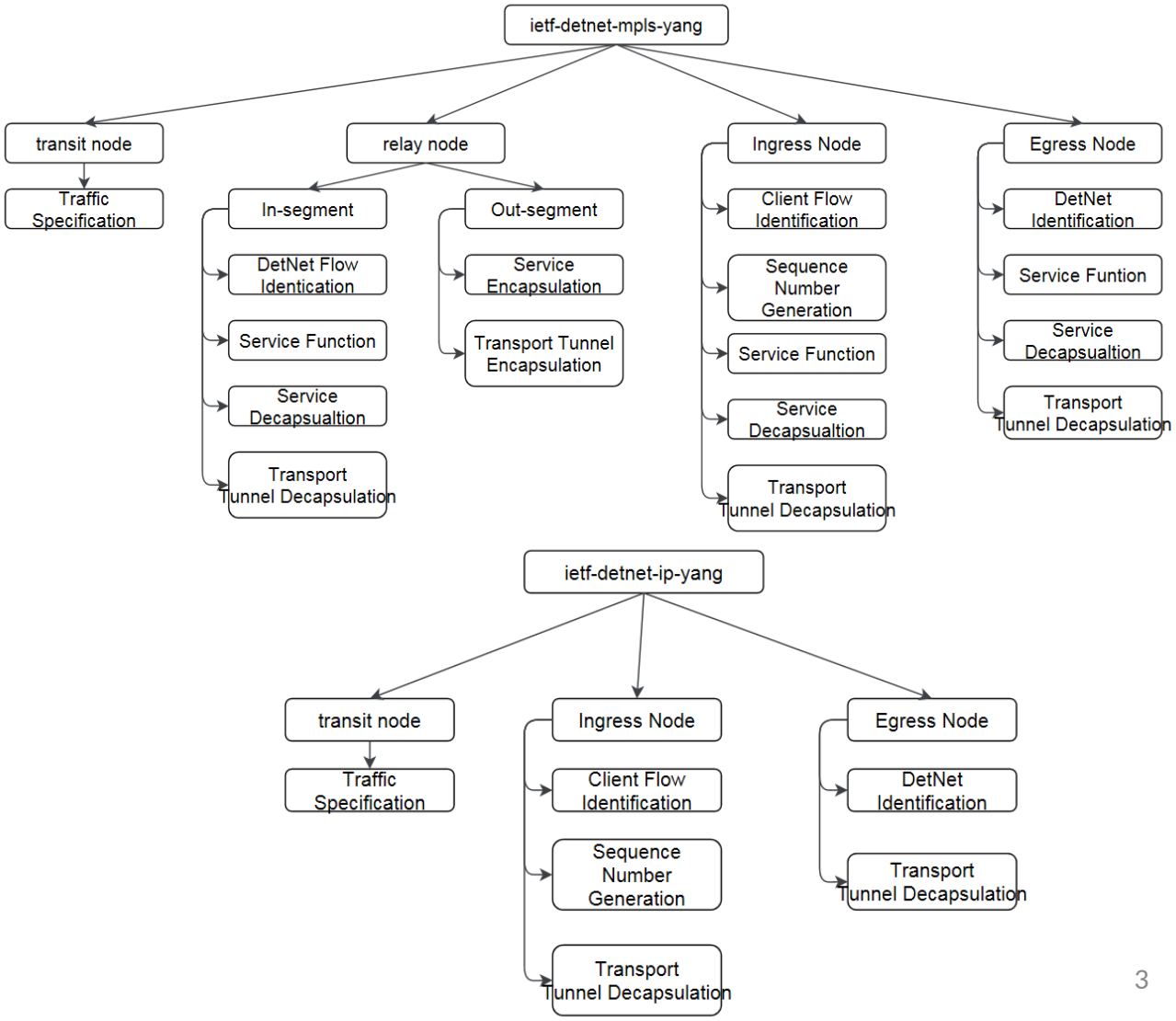
History

- Version 00: *ietf-detnet-yang* and *ietf-detnet-topology-yang* are in the same draft
- Version 01: *ietf-detnet-topology-yang* is defined independently
- Version 02: *ietf-detnet-yang* is updated:
  - Add ‘Sequence Number Generation’
    - OAM considerations
  - Add ‘DetNet Service Decapsulation’
  - Add ‘DetNet Transport Tunnel Decapsulation’
  - Split the flow configuration models into:
    - MPLS flow configuration model
    - IP flow configuration model(to be defined)

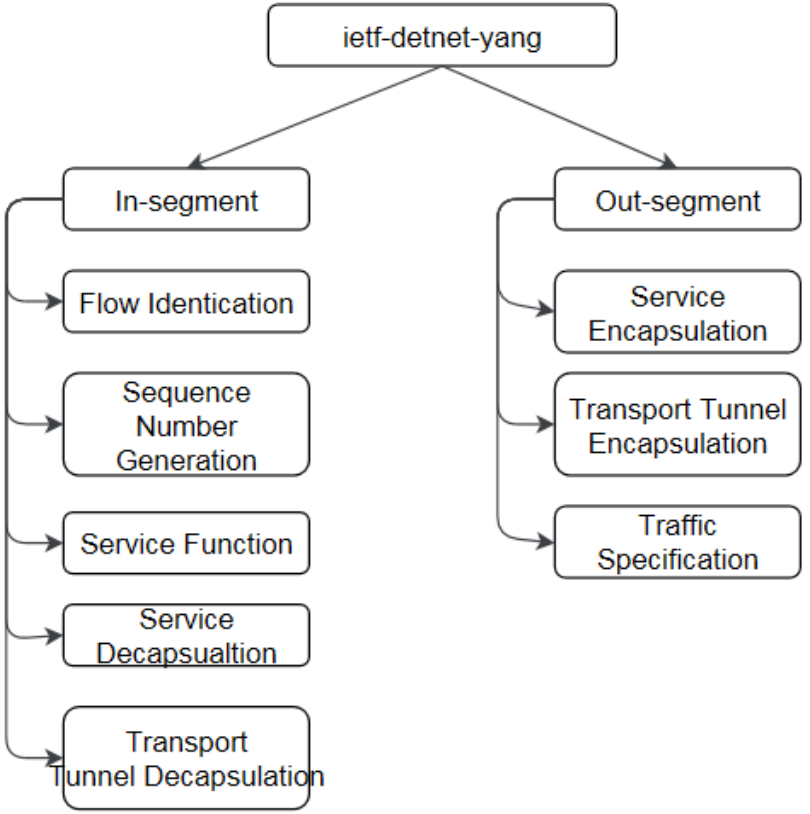
Ietf-detnet-yang Structure – Option 1

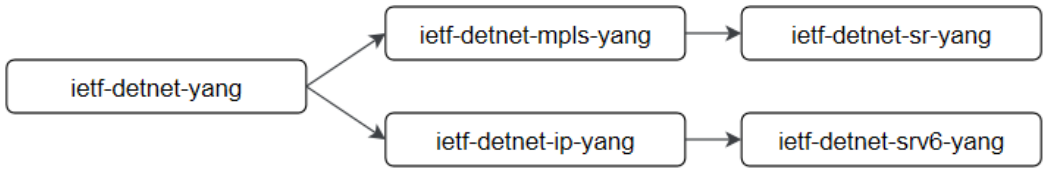
- Current architecture in the draft
- Yang models are defined indecently based o n different data plane solution:
  - Ietf-detnet-mpls-yang
  - Ietf-detnet-ip-yang
- There are different node type with different attributes:
  - Transit Node
  - Relay Node
  - Ingress Node
  - Egress Noe



Ietf-detnet-yang Structure – Option 2

- Come from Comments of WG people
- All the functions of different DetNet nodes are in the same architecture:
  - In-segment/Out-segment
  - Configure different nodes by choosing different attributes
- Yang models for different data plane can be extended based on ietf-detnet-yang
- Flexibility of mapping between different encapsulations





Next Step

- Which structure shall we choose for next version?
- DetNet Transport QoS: in or out of the scope of DetNet WG?
  - There is still no conclusion after IETF103
- Comments and contributions are always welcome

Thanks