IETF Network Slice Service YANG Model

draft-ietf-teas-ietf-network-slice-nbi-yang

TEAS WG
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Summary of issues addressed since IETF119
Rev-10 summary

1. **Med's comments:** Thanks for the thorough review of the entire document, Some major issues:
   - Referring to published **RFC 9543 Network Slice framework**;
   - YANG improvements
     - Add "ac-svc-name" and improve the description to avoid "attachment-circuits" confusion when both definition are available (ac-svc-name takes precedence)
     - Per COS is added to all qos-policies (i.e., incoming and outgoing)
     - Use Gauge64 in definition of "connectivity-construct-monitoring" and "incoming/outgoing-bw-value"
     - Using the grouping of RFC 9179 Geo-Location
   - Added new example for monitoring of an IETF Network Slice Service between multiple SDPs.

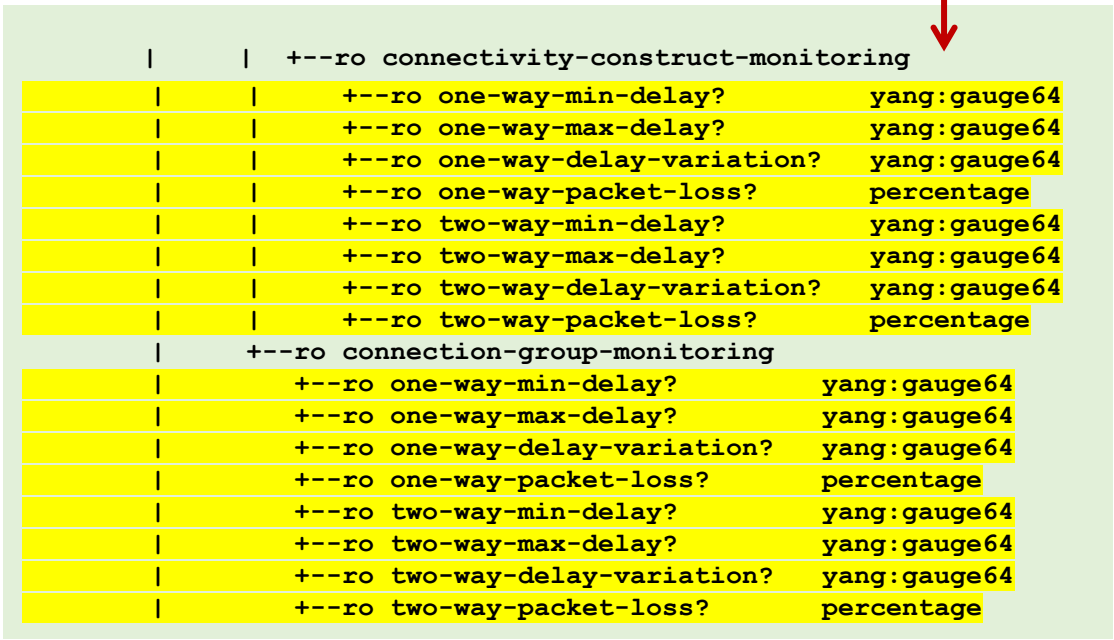
2. **YANG SLE "path-constraints" definition improvement**: Based on comments from draft-liu-teas-transport-network-slice-yang authors
   - Define additional "path-constraints" attributes, "diversity" and underlay path.

https://github.com/lana-wu/ietf-ns-nbi/issues

Issue#1 NS monitoring attributes (changed to Gauge64)

- **Issue:** Current NBI YANG model reuses te-packet-types:one-way-performance-metrics-packet / two-way-performance-metrics-packet. The grouping is for TE protocol configuration purpose.

- **Proposal**: Define NSS specific monitoring metrics, with **read only** capability and gauge value.

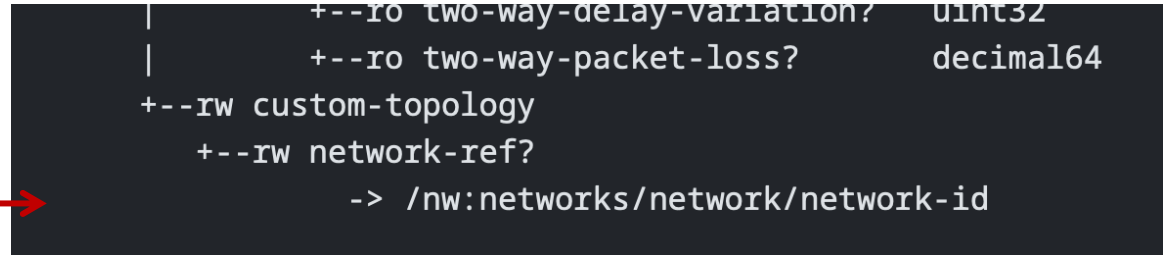


Issue#2 Custom topology definition - topology

- **Current model:** Current YANG NBI has reference to “custom-topology”
  - Allows operator to define the “Connectivity-construct” with more details

- **Issue:** Referring to multiple ”topology” is desirable. YANG NBI should support various topology type

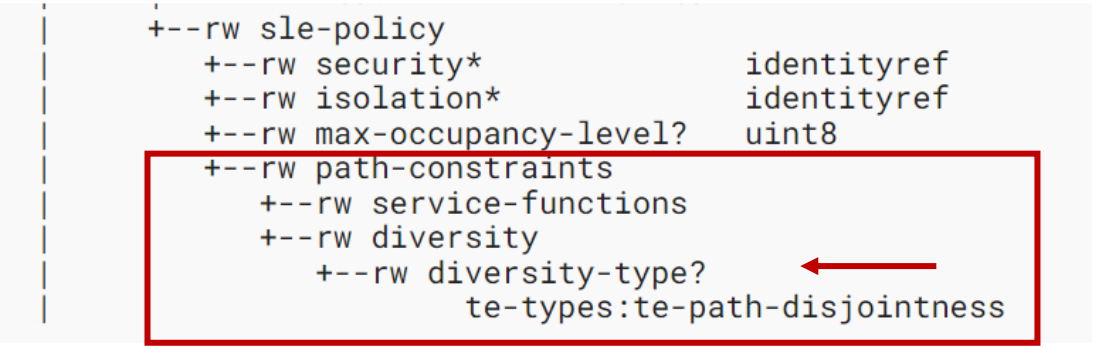
- **Proposal:** Change the topology to container to
  - Support multiple “customer-topology”
  - Any topology can be referenced



Issue#3 Addressing “diversity” attribute

- **Issue:** How to address “**diversity”** attribute mentioned in RF 9543:

- **Solution:** Current YANG NBI has a SLE container **“path-constraints”**
  - The “diversity” is added to this attribute



Next Step

- Asking for WGLC

Thank You !