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 IETF118
Rev-08 summary

1. **Custom topology definition improvement**: Based on comments from OTN slicing authors and Chairs
   - Define “custom-topology” as a container to serve as augmentation target.

2. **Med’s comments**: Thorough review of the entire document:
   - Adds “ac-as-service” and improve the description to avoid AC attributes confusion when both definition are available
   - Improve the definition of YANG module, using reference and unit statements and improving identity description, etc.
   - Remove the reference of I-D.liu-teas-transport-network-slice-yang (individual draft)
   - Change type of “incoming-bw-value” & “outgoing-be-value” to uint64 value

3. Number of authors reduced to 5 per the comments from Chair Lou

**Working on:**
Thanks to Med for another round of thorough review (>100 comments). Most of them were editorial. Some major issues:
   - Add a reference statement to the ACaaS draft.
   - NS framework alignment: Update the terminology to align with the outcome of “IETF NSS”
   - Geo-Location: Reuse the grouping of RFC9179
   - Needed to add a new example for IETF Network Slice Service monitoring.
   - Use the security template as draft-ietf-netmod-rfc8407bis-01 #section-3.7.1

https://github.com/lana-wu/ietf-ns-nbi/issues
**Issue#1 Custom topology definition**

- **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. For example, YANG NBI could support various topology type such as:
  - VN model

- **Proposal:** Change the topology to container to
  - Support multiple “customer-topology”
  - Any topology can be referenced e.g., VN model

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```
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>-rw two-way-delay-variation?  uint32</td>
<td></td>
</tr>
<tr>
<td></td>
<td>+rw two-way-packet-loss?  decimal64</td>
</tr>
<tr>
<td></td>
<td>+rw custom-topology</td>
</tr>
<tr>
<td></td>
<td>+rw network-ref?</td>
</tr>
<tr>
<td></td>
<td>-&gt; /nw:networks/network/network-id</td>
</tr>
</tbody>
</table>
```
Issue#2 Draft AC-as-service Informative reference

• **Current model:** Current YANG NBI draft defines multiple AC options at SDP level:
  • including “peer-sap-id”, and “ac-svc-name”.
  “ac-svc-name”

• **Issue:** The draft-boro-opsawg-teas-attachment-circuit has just been adopted in OPSAWG
  • The publication of YANG NBI might be impacted

• **Proposal:** draft-boro-opsawg-teas-attachment-circuit as Informative reference

```
++-rw sdps
  +-rw sdp* [id]
    |  +++-rw id       string
    |  |  +++-rw description? string
    |  |  |  ...                
    |  |  +++-rw node-id? string
    |  |  |  +++-rw sdp-ip-address* inet:ip-address
    |  |  |  |  +++-rw tp-ref? leafref
    |  |  |  |  |  ...                        
    |  |  +-rw sdp-peering
    |  |  |  |  |  +++-rw peer-sap-id* string
    |  |  |  |  |  |  ...                        
    |  |  |  +-rw ac-svc-name* string
    |  |  |  |  +++-rw attachment-circuits
    |  |  |  |  |  |  +++-rw ac-svc-name? string
    |  |  |  |  |  |  |  ...                        
```

--- resolved ---

TEAS meeting @ IETF 118 Prague
Issue#3 SDP QoS attributes (Raised by Med)

- **Issue**: Current NBI YANG model does not allow B/W per CoS (similar to AC/L2NM /etc...) See RFC9291 as an example).

- **Proposal**: Support both “per-CoS” and “non-per-CoS” similar to RFC 9291. Also support B/W.

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V.S.
Next Step

• Resolve the comments from Med
• Asking for WGLC
Thank You!