

Yang Data Model for Layer 3 TE Topologies

draft-ietf-teas-yang-l3-te-topo-05

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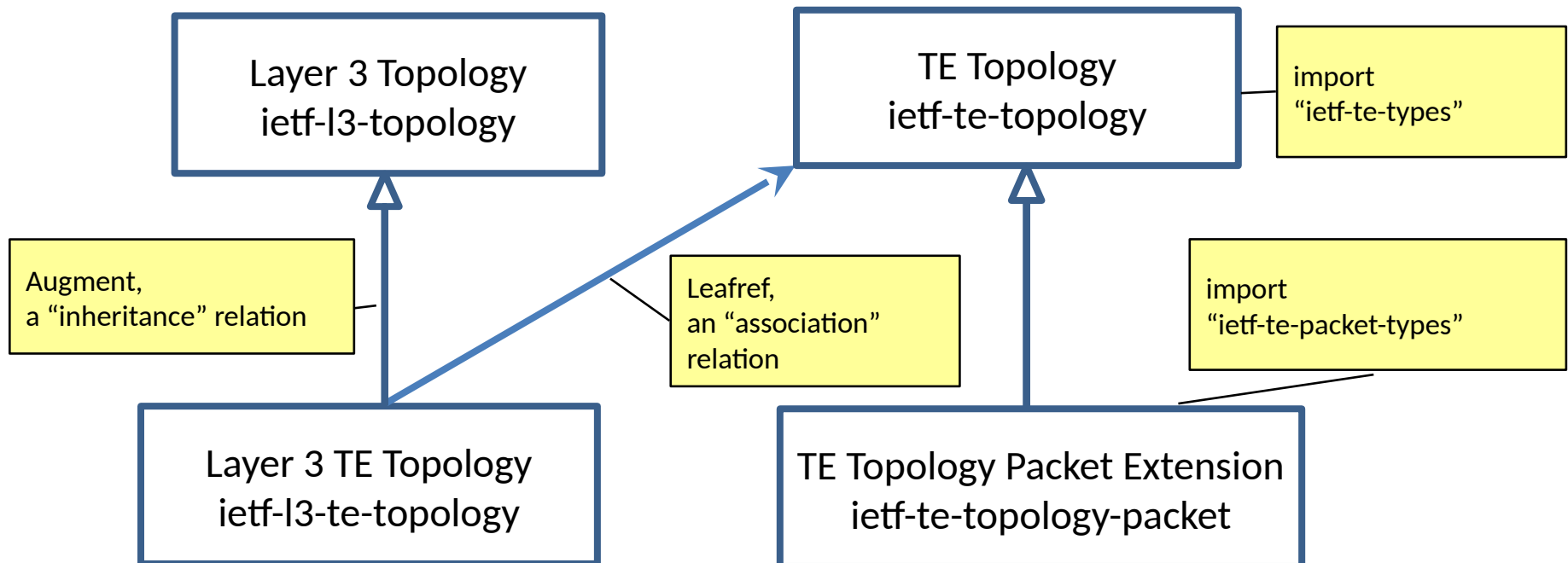
Oscar Gonzalez De Dios (Telefonica)

Changes Since Last Revision

- Alignments with latest dependencies
 - Aligned with draft-ietf-teas-yang-te-types
 - Module “ietf-te-types”.
 - Module “ietf-te-packet-types”.
 - Aligned with draft-ietf-teas-yang-te-topo
 - Module “ietf-te-topology”.
 - Module “ietf-te-topology-state”.
- Resolving YANG doctor’s review comments
 - Editorial fixes have been completed.
 - Some discussions are on-going
 - The relationship between L3 TE Topology and L3 Topology.

Augmentation Hierarchy

- L3 TE Topology augments L3 Topology and references TE Topology.
- Packet extension module augments ietf-te-topology.



Link Performance Metrics

- Discussion was brought up in IETF104
 - Accurate one-way delay measurement requires clock synchronization.
 - If no clock synchronization, systems may use two-way measurement to estimate one-way metrics
 - The two-way metrics may provide useful information.
- The two-way metrics have been kept on link
 - The grouping in “ietf-te-packet-types” is used.

```
augment /nw:networks/nw:network/nt:link/tet:te
  /tet:te-link-attributes:
  +--ro performance-metrics-one-way
  |   +--ro one-way-delay?                               Uint32
  |   .....
  +--ro performance-metrics-two-way
  |   +--ro two-way-delay?                               Uint32
  |   .....
```

Next Steps

- Resolve YANG doctor's review comments.
- Welcome further reviews and suggestions.
- Working Group Last Call after completing above.

Yang Data Model for SR and SR TE Topologies

draft-ietf-teas-yang-sr-te-topo-05

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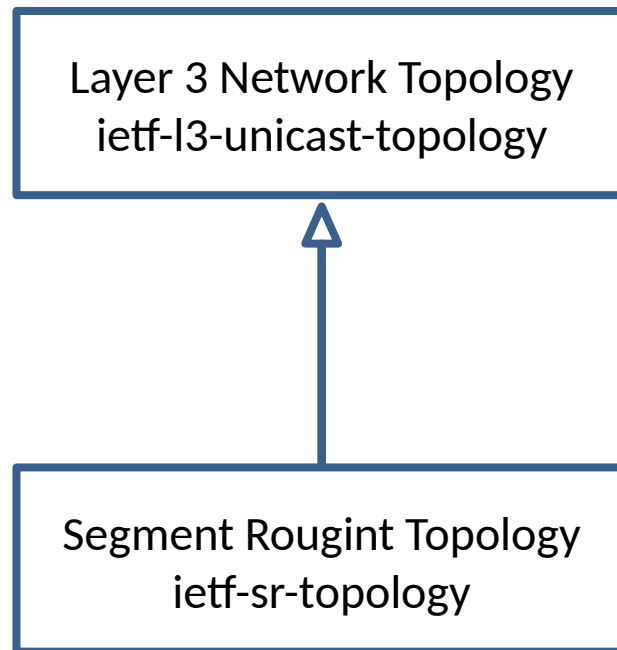
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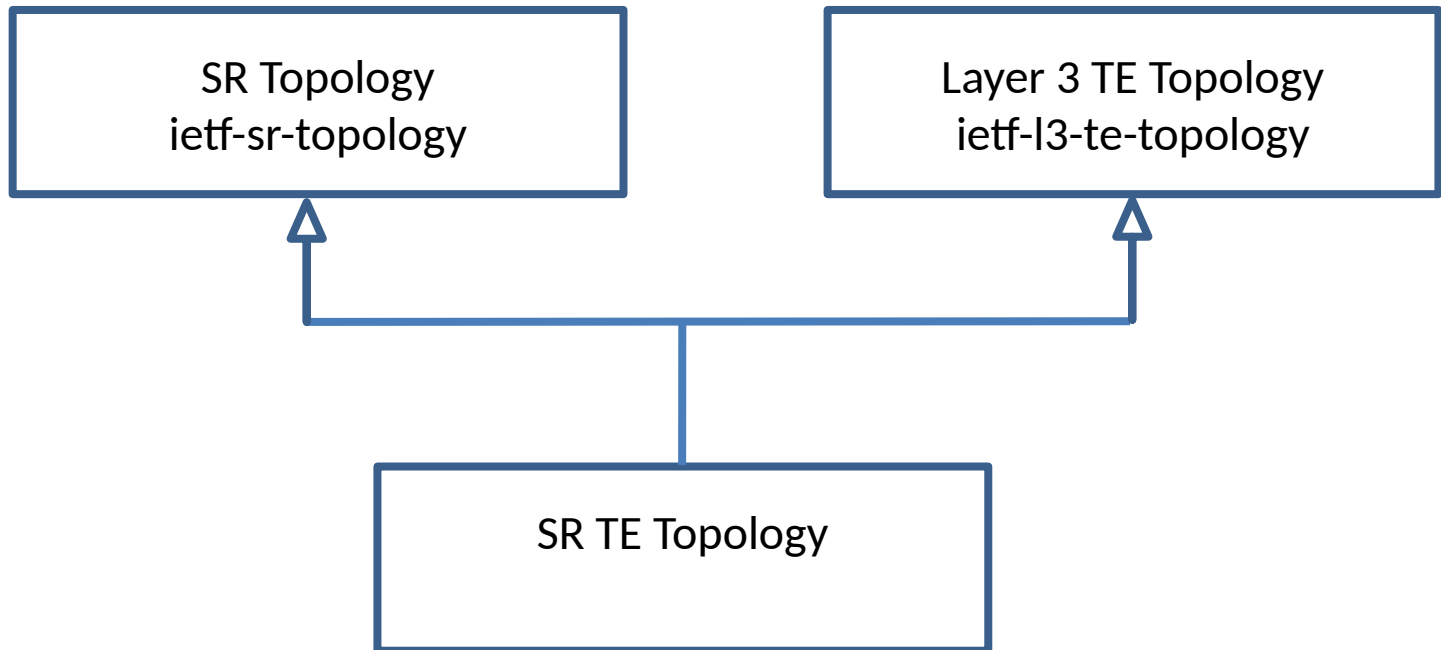
SR (Segment Routing) Topology

- Augment layer 3 network topology model



SR (Segment Routing) TE Topology

- Multiple inheritance:
 - Is both SR topology and layer 3 TE topology model.
 - Uses multiple network types: “l3-te” and “sr”.



Changes Since Last Revision

- Alignments with latest dependencies
 - Aligned with the latest draft-ietf-spring-sr-yang-13.
- Resolving YANG doctor's review comments
 - Editorial fixes have been completed.
 - Some discussions are on-going
 - Constraints on some data values of augmented SR configuration attributes, which may be better added to draft-ietf-spring-sr-yang.
 - Use of URI format for object identifiers.

Next Steps

- Resolve YANG doctor's review comments.
- Welcome further reviews and suggestions.
- Working Group Last Call after completing above.