Flexi-Grid
YANG Models Update

CCAMP Working Group
IETF 111

A YANG Data Model for Flexi-Grid Optical Networks

Versions: (draft-vergara-ccamp-flexigrid-yang)
00 01 02 03 04 05 06 07 08 09 10

CCAMP Working Group — J. Lopez de Vergara
Internet-Draft — Naudit HPCN
Intended status: Informational — D. Perdices Burrero
Expires: January 13, 2022 — Universidad Autonoma de Madrid
D. King
Old Dog Consulting
Y. Lee
Samsung
H. Zheng
Huawei Technologies
July 12, 2021

A YANG Data Model for Flexi-Grid Optical Networks
draft-ietf-ccamp-flexigrid-yang-10

Abstract

This document defines a YANG module for managing flexi-grid optical networks. The model defined in this document specifies a flexi-grid traffic engineering database that is used to describe the topology of a flexi-grid network. It is based on and augments existing YANG models that describe network and traffic engineering topologies.

The YANG data model defined in this document conforms to the Network Management Datastore Architecture (NMDA).

https://github.com/ietf-ccamp-wg/draft-ietf-ccamp-flexigrid-yang

A YANG Data Model for Flexi-Grid Media Channels

Versions: (draft-vergara-ccamp-flexigrid-media-channel-yang)
00 01 02 03 04

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A YANG Data Model for Flexi-Grid Media Channels
draft-ietf-ccamp-flexigrid-media-channel-yang-04

Abstract

This document defines a YANG model for managing flexi-grid optical media channels, complementing the information provided by the flexi-grid topology model.

The YANG data model defined in this document conforms to the Network Management Datastore Architecture (NMDA).

https://github.com/ietf-ccamp-wg/draft-ietf-ccamp-flexigrid-media-channel-yang

A YANG Data Model for Flexi-Grid Optical Topologies

- Used to describe the flexi-grid optical topology
  - draft-ietf-ccamp-flexigrid-yang
  - Recently submitted draft-ietf-ccamp-flexigrid-yang-10
  - Updates include:
    - Addressed most of the YANG Dr Early Review Comments
    - Cleaned up “Example Of Use”
    - Added “Flexi-Grid Topology Data Model Overview” and augmentation statements
    - Using the “flexgt” prefix for consistency with other CCAMP I-Ds and WG list
    - Correct usage of normative and informative references
    - https://github.com/ietf-ccamp-wg/draft-ietf-ccamp-flexigrid-yang/issues
- Will need a few minor revisions to fix some recent suggestions and NITs
  - Update to Security section based on recent RFC Editor best practice
  - Revision data for YANG code needs updating
- Then the authors feel the document will be ready for WG Last Call

A YANG Data Model for Flexi-Grid Media Channels

- Used to describe the flexi-grid optical media channel
  - draft-ietf-ccamp-flexigrid-media-channel-yang
  - Recently submitted draft-ietf-ccamp-flexigrid-media-channel-yang-03
  - Updates include:
    - Clarification of topology example
    - New Security Section
    - Agreed prefix as “flexgtnl”
    - Aligned with other CCAMP YANG models
    - Updated YANG Tree and Code
    - Fixed errors found when validating media-channel YANG code
    - General readability and fixed references
  - Various open issues
    - See next page, or
    - https://github.com/ietf-ccamp-wg/draft-ietf-ccamp-flexigrid-media-channel-yang/issues

A YANG Data Model for Flexi-Grid Media Channels

- Need reviews of YANG tree
- Several open GitHub issues, including:
  - #15 Review l0-tunnel-attributes grouping
  - #16 Review l0-path-constraints grouping
  - #20 Check on vendor implementations
  - #25 Show relationships between YANG models
- Weekly call planned after IETF 111 (around mid-August)
  - Thursdays @ 14:00 CET
    - https://zoom.us/j/95268768246?pwd=MFcrTm5QNEVvZDFpUksramRNSEw5dz09