YANG Data Model for LDP

(draft-ietf-mpls-ldp-yang-05)

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Recent History

➢ Presented rev -03 in IETF-100 (Singapore)

➢ Updated/refined and posted rev -04 after IETF-100

➢ Presented rev-04 in IETF-101 (London)

  ➢ Requested WGLC

➢ WGLC initiated by chairs in July 2018 right after IETF-102 (Montreal)

  ➢ Tom Petch's WGLC review comments

➢ Addressed WGLC comments and posted rev -05 before IETF-103 (Bangkok)

Rev -05 Update

- ➢ Addresses WGLC comments

    - ➢ Tom Petch's review comments

    - ➢ Note: Some of the Tom's comments are generic and equally applicable to other YANG docs

- ➢ Added JSON data examples for configuration and operational state

Generic Comments by Tom

➢ Specification of Requirements lacks reference to RFC8174

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in BCP 14 [RFC2119] [RFC8174] when, and only when, they appear in all capitals, as shown here.

➢ NMDA need be called out in Abstract as well

➢ Missing Notes to RFC Editor – e.g. replace

  ➢ XXX with RFC number,

  ➢ YANG modules filenames and revisions with dates of publication

➢ YANG version:

  ➢ no "version" statement

  ➢ no mention of the current YANG 1.1 RFC

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Generic Comments by Tom (2)

➢ No "reference" statement for imported modules

  ➢ Also missing from Normative references

➢ No Informative Reference to Tree diagram RFC 8340

➢ "Security Considerations" do not conform to RFC 6087bis

➢ IANA Considerations

Addressed WGLC review comments

➢ Added reference to RFC8174

➢ Added notes to RFC Editor

➢ Used YANG version 1.1

➢ Added references to the Tree Diagrams RFC8340

➢ Revised the Security Considerations to conform to RFC6087bis

➢ Fixed the IANA Considerations

➢ Updated references to the latest versions

JSON Example

```
"peers": {
  "peer": [
    {
      "lsr-id": "203.0.113.2",
      "label-space-id": 0,
      "label-advertisement-mode": {
        "local": "downstream-unsolicited",
        "peer": "downstream-unsolicited",
        "negotiated": "downstream-unsolicited"
      },
      "next-keep-alive": 5,
      "session-holdtime": {
        "peer": 180,
        "negotiated": 180,
        "remaining": 78
      },
      "session-state": "operational",
      "tcp-connection": {
        "local-address": "fe80::200:5eff:fe00:5301",
        "local-port": 646,
        "remote-address": "fe80::200:5eff:fe00:5302",
        "remote-port": 646
      },
      "up-time": "P2H33M5S",
      "statistics": {
        "discontinuity-time": "2018-09-10T15:16:27-05:00"
      }
    }
  ]
}
```

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Next Steps

➢ Requesting publication

YANG Data Model for mLDP

(draft-ietf-mpls-mldp-yang-05)

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(… and several other contributors as acknowledged in the draft)

Recent History

➢ Presented rev -03 in IETF-100 (Singapore) – Nov 2017

➢ YANG Doctor Early Review by Acee – Dec 2017

➢ Posted rev -04 right before IETF-102 (Montreal)

 ➢ Minor update

➢ Posted rev -05 right before IETF-103 (Bangkok)

 ➢ Addressed YANG Dr (Acee) comments

Rev -05 Update

➤ Addresses YANG Doctor's review comments (from Acee)

➤ Applies some of the generic comments, as received in WGLC review for LDP YANG

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Addressed YANG Doctor's comments

➢ Revised the Security Considerations to conform to RFC6087bis

➢ Added JSON data examples for configuration and operational state

➢ Clarified descriptions

➢ Added RFC 7431 as a normative reference

➢ Fixed the module prologue

➢ Renamed identifier "opaque-type-lspid" to "opaque-element-lspid"

➢ Cleaned up some groupings

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Applied generic comments

➢ Added reference to RFC8174

➢ Added notes to RFC Editor

➢ Used YANG version 1.1

➢ Added references to the Tree Diagrams RFC8340

➢ Updated references to the latest versions

Next Steps

➢ Further reviews

➢ Working Group Last Call