Content

[2 Classes 1](#_Toc135830654)

[2.1 LldpProtocolSpec 1](#_Toc135830655)

[2.2 Lldp\_Pac 1](#_Toc135830656)

[2.3 LocalSystemData 2](#_Toc135830657)

[2.4 RemoteStatistics 2](#_Toc135830658)

[3 Data Types 3](#_Toc135830659)

[3.1 ManagementAddressTxPortType 3](#_Toc135830660)

[3.2 ManagementAddressType 3](#_Toc135830661)

[3.3 PortType 3](#_Toc135830662)

[3.4 RemoteOrgDefinedInfoType 3](#_Toc135830663)

[3.5 RemoteSystemsDataType 4](#_Toc135830664)

[3.6 RemoteUnknownTlvType 4](#_Toc135830665)

[3.7 RxStatisticsContainerType 4](#_Toc135830666)

[3.8 SystemCapabilitiesMapType 5](#_Toc135830667)

[3.9 TlvsTxEnableBitsType 5](#_Toc135830668)

[3.10 TxStatisticsContainerType 5](#_Toc135830669)

[4 Enumeration Types 6](#_Toc135830670)

[4.1 AddressFamilyType 6](#_Toc135830671)

[4.2 AdminStatusType 6](#_Toc135830672)

[4.3 CapabilityValueType 6](#_Toc135830673)

[4.4 ChassisIdSubtypeType 6](#_Toc135830674)

[4.5 ManAddrIfSubtypeType 7](#_Toc135830675)

[4.6 PortIdSubtypeType 7](#_Toc135830676)

[4.7 ProtocolNameType 8](#_Toc135830677)

[5 Primitive Types 8](#_Toc135830678)

# Classes

## LldpProtocolSpec

Applied stereotypes:

* OpenInterfaceModelClass
* objectCreationNotification: YES
* objectDeletionNotification: YES
* OpenModelClass
* support: MANDATORY

Attributes for LldpProtocolSpec

Table 1: Attributes for LldpProtocolSpec

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

## Lldp\_Pac

Link Layer Discovery Protocol configuration and operational information.

Applied stereotypes:

* OpenInterfaceModelClass
* objectCreationNotification: NO
* objectDeletionNotification: NO
* OpenModelClass
* support: MANDATORY

Attributes for Lldp\_Pac

Table 1: Attributes for Lldp\_Pac

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

## LocalSystemData

LLDP local system operational data.

Applied stereotypes:

* OpenInterfaceModelClass
* objectCreationNotification: NO
* objectDeletionNotification: NO
* OpenModelClass
* support: MANDATORY

Attributes for LocalSystemData

Table 1: Attributes for LocalSystemData

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

## RemoteStatistics

Applied stereotypes:

* OpenInterfaceModelClass
* objectCreationNotification: NO
* objectDeletionNotification: NO
* OpenModelClass
* support: MANDATORY

Attributes for RemoteStatistics

Table 1: Attributes for RemoteStatistics

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

# Data Types

## ManagementAddressTxPortType

controls selection of LLDP management address TLV instances to be transmitted on individual port/destination address pairs.

Applied Stereotypes:

Attributes for ManagementAddressTxPortType

Table 1: Attributes for ManagementAddressTxPortType

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

## ManagementAddressType

Applied Stereotypes:

Attributes for ManagementAddressType

Table 1: Attributes for ManagementAddressType

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

## PortType

Link Layer Discovery Protocol configuration and operational information.

Applied Stereotypes:

Attributes for PortType

Table 1: Attributes for PortType

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

## RemoteOrgDefinedInfoType

Applied Stereotypes:

Attributes for RemoteOrgDefinedInfoType

Table 1: Attributes for RemoteOrgDefinedInfoType

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

## RemoteSystemsDataType

Applied Stereotypes:

Attributes for RemoteSystemsDataType

Table 1: Attributes for RemoteSystemsDataType

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

## RemoteUnknownTlvType

Applied Stereotypes:

Attributes for RemoteUnknownTlvType

Table 1: Attributes for RemoteUnknownTlvType

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

## RxStatisticsContainerType

Applied Stereotypes:

Attributes for RxStatisticsContainerType

Table 1: Attributes for RxStatisticsContainerType

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

## SystemCapabilitiesMapType

This describes system capabilities.

Applied Stereotypes:

* Reference

Attributes for SystemCapabilitiesMapType

Table 1: Attributes for SystemCapabilitiesMapType

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

## TlvsTxEnableBitsType

Applied Stereotypes:

Attributes for TlvsTxEnableBitsType

Table 1: Attributes for TlvsTxEnableBitsType

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

## TxStatisticsContainerType

Applied Stereotypes:

Attributes for TxStatisticsContainerType

Table 1: Attributes for TxStatisticsContainerType

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Multiplicity** | **Access** | **Stereotypes** | **Description** |

# Enumeration Types

## AddressFamilyType

Base identity from which identities describing address families are derived.

Contains Enumeration Literals:

* IPV4:
  + This identity represents IPv4 address family.
* IPV6:
  + This identity represents IPv6 address family.
* NOT\_YET\_DEFINED:

## AdminStatusType

Contains Enumeration Literals:

* TX\_ONLY:
  + Value 1. Transmit LLDP frames only.
* RX\_ONLY:
  + Value 2. Receive LLDP frames only.
* TX\_AND\_RX:
  + Value 3. Transmit and Receive LLDP frames.
* DISABLED:
  + Value 4. Do Not Transmit or Receive LLDP frames.
* NOT\_YET\_DEFINED:

## CapabilityValueType

Contains Enumeration Literals:

* TRUE:
* FALSE:
* NOT\_YET\_DEFINED:

## ChassisIdSubtypeType

The source of a chassis identifier.

Contains Enumeration Literals:

* CHASSIS\_COMPONENT:
  + Represents a chassis identifier based on the value of entPhysicalAlias object (defined in IETF RFC 2737) for a chassis component (i.e., an entPhysicalClass value of chassis(3))
* INTERFACE\_ALIAS:
  + Represents a chassis identifier based on the value of ifAlias object (defined in IETF RFC 2863) for an interface on the containing chassis.
* PORT\_COMPONENT:
  + Represents a chassis identifier based on the value of entPhysicalAlias object (defined in IETF RFC 2737) for a port or backplane component (i.e., entPhysicalClass value of port(10) or backplane(4)), within the containing chassis.
* MAC\_ADDRESS:
  + Represents a chassis identifier based on the value of a unicast source address (encoded in network byte order and IEEE 802.3 canonical bit order), of a port on the containing chassis as defined in IEEE Std 802-2001.
* NETWORK\_ADDRESS:
  + Represents a chassis identifier based on a network address, associated with a particular chassis. The encoded address is actually composed of two fields. The first field is a single octet, representing the IANA AddressFamilyNumbers value for the specific address type, and the second field is the network address value.
* INTERFACE\_NAME:
  + Represents a chassis identifier based on the value of ifName object (defined in IETF RFC 2863) for an interface on the containing chassis.
* LOCAL:
  + Represents a chassis identifier based on a locally defined value.
* NOT\_YET\_DEFINED:

## ManAddrIfSubtypeType

Management address interface subtype.

Contains Enumeration Literals:

* UNKNOWN:
  + Value 1. Interface is not known.
* PORT\_REF:
  + Value 2. Interface based on the port-ref MIB object.
* SYSTEM\_PORT\_NUMBER:
  + Value 3. Interface based on the system port number.
* NOT\_YET\_DEFINED:

## PortIdSubtypeType

The source of a particular type of port identifier used in the LLDP YANG module.

Contains Enumeration Literals:

* INTERFACE\_ALIAS:
  + Value 1. Represents a port identifier based on the ifAlias MIB object, defined in IETF RFC 2863.
* PORT\_COMPONENT:
  + Value 2. Represents a port identifier based on the value of entPhysicalAlias (defined in IETF RFC 2737) for a port component (i.e., entPhysicalClass value of port(10)), within the containing chassis.
* MAC\_ADDRESS:
  + Value 3. Represents a port identifier based on a unicast source address (encoded in network byte order and IEEE 802.3 canonical bit order), which has been detected by the agent and associated with a particular port (IEEE Std 802-2001).
* NETWORK\_ADDRESS:
  + Value 4. Represents a port identifier based on a network address, detected by the agent and associated with a particular port.
* INTERFACE\_NAME:
  + Value 5. Represents a port identifier based on the ifName MIB object, defined in IETF RFC 2863.
* AGENT\_CIRCUIT\_ID:
  + Value 6. Represents a port identifier based on the agent-local identifier of the circuit (defined in RFC 3046), detected by the agent and associated with a particular port.
* LOCAL:
  + Value 7. Represents a port identifier based on a value locally assigned.
* NOT\_YET\_DEFINED:

## ProtocolNameType

A controlled list of Protocol names.

Contains Enumeration Literals:

* PROTOCOL\_NAME\_TYPE\_LLDP:

# Primitive Types