

Comware V7 LLDP NETCONF XML API Config Reference

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LLDP

LLDP/GlobalStatus

This table contains LLDP global status information.

XML structure

```
<LLDP>
  <GlobalStatus>
    <Enable></Enable>
    <CDP></CDP>
    <TxInterval></TxInterval>
    <FastInterval></FastInterval>
    <ReInitDelay></ReInitDelay>
    <NotifyInterval></NotifyInterval>
    <Mode></Mode>
    <MaxCredit></MaxCredit>
    <HoldMult></HoldMult>
    <FastCount></FastCount>
  </GlobalStatus>
</LLDP>
```

Table description

Item	Description
Feature name	LLDP
Table name	GlobalStatus
Table type	Single-instance table
Row name	None
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
Enable	Whether to enable LLDP globally.	N/A	Boolean: • true—Enable. • false—Disable.

Column name	Column description	Column type	Data type and restrictions
CDP	Whether to enable CDP.	N/A	Boolean: • true—Enable. • false—Disable.
TxInterval	Transmission interval for LLDP frames.	N/A	Unsigned integer. Value range: 5 to 32768. Unit: second.
FastInterval	Fast transmission interval for LLDP frames.	N/A	Unsigned integer. Value range: 1 to 3600. Unit: second.
RelnitDelay	Re-initialization delay.	N/A	Unsigned integer. Value range: 1 to 10. Unit: second.
NofityInterval	Notification interval for traps.	N/A	Unsigned integer. Value range: 5 to 3600. Unit: second.
Mode	Bridge mode.	N/A	Enumeration: • 0—Customer bridge mode. • 1—Service bridge mode.
MaxCredit	Token bucket size for sending LLDP frames.	N/A	Unsigned integer. Value range: 1 to 100.
HoldMult	TTL multiplier.	N/A	Unsigned integer. Value range: 2 to 10.
FastCount	Number of LLDP frames transmitted within a fast transmission interval.	N/A	Unsigned integer. Value range: 1 to 8.

LLDP/Interfaces

This table contains LLDP interface information.

XML structure

```

<LLDP>
  <Interfaces>
    <Interface>
      <IfIndex></IfIndex>
      <Enable></Enable>
      <CDP></CDP>
      <MEDTopoChange></MEDTopoChange>
    </Interface>
  </Interfaces>
</LLDP>

```

```

    </Interface>
  </Interfaces>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	Interfaces
Table type	Multi-instance table
Row name	Interface
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer.
Enable	Whether to enable the interface.	N/A	Boolean: true—Enable. false—Disable.
CDP	Whether to enable CDP compatibility.	N/A	Boolean: true—Enable. CDP packets can be transmitted and received. false—Disable.
MEDTopoChange	Whether to enable LLDP-MED trapping.	N/A	Boolean: true—Enable. false—Disable.

LLDP/IfAgents

This table contains LLDP interface agent information.

XML structure

```

<LLDP>
  <IfAgents>
    <IfAgent>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
    </IfAgent>
  </IfAgents>
</LLDP>

```

```

    <AdminStatus>
      <Tx></Tx>
      <Rx></Rx>
    </AdminStatus>
    <CheckChangeInterval></CheckChangeInterval>
    <Encap></Encap>
    <AddressFormat></AddressFormat>
    <RemoteChange></RemoteChange>
  </IfAgent>
</IfAgents>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	IfAgents
Table type	Multi-instance table
Row name	IfAgent
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer.
AgentID	LLDP agent ID.	Index	Enumeration: 1—Nearest bridge agent. 2—Nearest non-TPMR agent. 3—Nearest customer agent.
AdminStatus	LLDP operating mode of the interface.	Data structure	Members include: - Tx. - Rx.
Tx	Whether to enable the LLDP agent to only send LLDP frames.	N/A	Boolean: - true—Enable. - false—Disable.
Rx	Whether to enable the LLDP agent to only receive LLDP frames.	N/A	Boolean: - true—Enable. - false—Disable.

Column name	Column description	Column type	Data type and restrictions
CheckChangeInterval	LLDP polling interval.	N/A	Unsigned integer. Value range: 1 to 30. Unit: second.
Encap	LLDP frame format.	N/A	Enumeration: • 0—Ethernet II encapsulation. • 1—SNAP encapsulation.
AddressFormat	Management address format.	N/A	Enumeration: • 0—Number. • 1—String.
RemoteChange	Whether to enable LLDP trapping.	N/A	Boolean: • true—Enable. • false—Disable.

LLDP/TLVSelects

This table contains LLDP TLV transmitting status information.

XML structure

```

<LLDP>
  <TLVSelects>
    <TLV>
      <IfIndex></IfIndex>
      <AgentID></AgentID>
      <PortDesc></PortDesc>
      <SysName></SysName>
      <SysDesc></SysDesc>
      <SysCap></SysCap>
      <ManageAddress>
        <SubType></SubType>
        <Address></Address>
        <Enable></Enable>
      </ManageAddress>
      <PVID></PVID>
      <ProtocolVLAN>
        <VLANID></VLANID>
        <Enable></Enable>
      </ProtocolVLAN>
      <VLANName>
        <VLANID></VLANID>
        <Enable></Enable>
      </VLANName>
      <DCBX></DCBX>

```

```

    <LinkAgg></LinkAgg>
    <ManageVLAN>
      <VLANID></VLANID>
      <Enable></Enable>
    </ManageVLAN>
    <EVB></EVB>
    <QCN></QCN>
    <MACPHY></MACPHY>
    <Power></Power>
    <MaxFrame></MaxFrame>
    <MEDCapability></MEDCapability>
    <NetworkPolicy></NetworkPolicy>
    <ExtPower></ExtPower>
    <Inventory></Inventory>
  </TLV>
</TLVSelects>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	TLVSelects
Table type	Multi-instance table
Row name	TLV
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer.
AgentID	LLDP agent ID.	Index	Enumeration: 1—Nearest bridge agent. 2—Nearest non-TPMR agent. 3—Nearest customer agent.
PortDesc	Whether to transmit port description TLVs.	N/A	Boolean: - true—Yes. - false—No.

Column name	Column description	Column type	Data type and restrictions
SysName	Whether to transmit system name TLVs.	N/A	Boolean: • true—Yes. • false—No.
SysDesc	Whether to transmit system description TLVs.	N/A	Boolean: • true—Yes. • false—No.
SysCap	Whether to transmit system capability TLVs.	N/A	Boolean: • true—Yes. • false—No.
ManageAddress	Management address TLV information.	Data structure	Members include: • SubType. • AddressValue. • Enable.
SubType	SubType of the management address.	N/A	Enumeration: • 1—IPv4.
Address	Management address.	N/A	Base64 Binary. Length: 1 to 31 octets. The format of data depends on the management address subtype.
Enable	Whether to transmit management address TLVs.		Boolean: • true—Yes. • false—No.
PVID	Whether to transmit port VLAN ID TLVs.	N/A	Boolean: • true—Yes. • false—No.
ProtocolVLAN	Port and protocol VLAN ID TLV information.	Data structure	Members include: • VLANID. • Enable.
VLANID	VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.
Enable	Whether to transmit port and protocol VLAN ID TLVs.	N/A	Boolean: • true—Yes. • false—No.
VLANName	VLAN name TLV information.	Data structure	Members include: • VLANID. • Enable.
VLANID	VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.

Column name	Column description	Column type	Data type and restrictions
Enable	Whether to transmit VLAN name TLVs.	N/A	Boolean: • true—Yes. • false—No.
DCBX	Whether to transmit DCBX TLVs.	N/A	Boolean: • true—Yes. • false—No.
LinkAgg	Whether to transmit link aggregation TLVs.	N/A	Boolean: • true—Yes. • false—No.
ManageVLAN	Management VLAN TLV information.	Data structure	Members include: • VLANID. • Enable.
VLANID	VLAN ID.	N/A	Unsigned integer. Value range: 1 to 4094.
Enable	Whether to transmit management VLAN TLVs.	N/A	Boolean: • true—Yes. • false—No.
EVB	Whether to transmit EVB TLVs.	N/A	Boolean: • true—Yes. • false—No.
QCN	Whether to transmit QCN TLVs.	N/A	Boolean: • true—Yes. • false—No.
MACPHY	Whether to transmit MAC/PHY configuration/status TLVs.	N/A	Boolean: • true—Yes. • false—No.
Power	Whether to transmit power via MDI TLVs.	N/A	Boolean: • true—Yes. • false—No.
MaxFrame	Whether to transmit max frame size TLVs.	N/A	Boolean: • true—Yes. • false—No.
MEDCapability	Whether to transmit MED capability TLVs.	N/A	Boolean: • true—Yes. • false—No.
NetworkPolicy	Whether to transmit network policy TLVs.	N/A	Boolean: • true—Yes. • false—No.
ExtPower	Whether to transmit extended power via MDI TLVs.	N/A	Boolean: • true—Yes. • false—No.

Column name	Column description	Column type	Data type and restrictions
Inventory	Whether to transmit inventory TLVs.	N/A	Boolean: true—Yes. false—No.

LLDP/ELINumbers

This table contains information about LLDP emergency location identification numbers.

XML structure

```

<LLDP>
  <ELINumbers>
    <ELIN>
      <IfIndex></IfIndex>
      <ELINumber></ELINumber>
      <Enable></Enable>
    </ELIN>
  </ELINumbers>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	ELINumbers
Table type	Multi-instance table
Row name	ELIN
Restrictions	None
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer.
ELINumber	Emergency location identification number.	N/A	Numeric String. Length: 10 to 25 characters.

Column name	Column description	Column type	Data type and restrictions
Enable	Whether to transmit location ID TLVs.	N/A	Boolean: • true—Yes. • false—No.

LLDP/CivicAddresses

This table contains information about LLDP civic addresses.

XML structure

```

<LLDP>
  <CivicAddresses>
    <CivicAddress>
      <IfIndex></IfIndex>
      <DeviceType></DeviceType>
      <CountryCode></CountryCode>
      <CA>          <!-- Repeatable -->
        <Type></Type>
        <Value></Value>
      </CA>
      <Enable></Enable>
    </CivicAddress>
  </CivicAddresses>
</LLDP>

```

Table description

Item	Description
Feature name	LLDP
Table name	CivicAddresses
Table type	Multi-instance table
Row name	CivicAddress
Restrictions	The sequence of column attributes must be consistent with the table's definition.
Support for row creation and deletion	No

Columns

Column name	Column description	Column type	Data type and restrictions
IfIndex	Interface index.	Index	Unsigned integer.
DeviceType	Device type.	N/A	Enumeration: • 0—DHCP Server. • 1—Network device. • 2—MED endpoint.
CountryCode	Country code.	N/A	String. Length: 2 characters. Letters in the string should be uppercased.
CA	Civic address information.	Data structure	Members include: • Type. • Value.
Type	Civic address type.	N/A	Unsigned integer. Value range: 0 to 255.
Value	Civic address.	N/A	String. Length: 1 to 250 characters.
Enable	Whether to transmit location ID TLVs.	N/A	Boolean: • true—Yes. • false—No.