

Link Layer Discovery Protocol (LLDP)

LLDP , .

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LLDP (nearest-bridge):

```
lldp
interface tengigabitethernet 0/0/1
agent nearest-bridge
exit
exit
exit
```

, :

```
0/ME5100:SW_17.128# show lldp neighbors
Thu Apr 25 17:47:55 2024
Capability codes:
(R) Router, (B) Bridge, (T) Telephone, (D) DOCSIS Cable Device
(W) WLAN Access Point, (r) Repeater, (H) Host, (s) Station only
(TP) - Two Ports MAC Relay, (S) - S-VLAN, (C) - C-VLAN, (O) Other
LLDP agent codes:
(N) Nearest Bridge, (NnT) Nearest non-TPMR Bridge
(NC) Nearest Customer Bridge
```

local port	device id	port id	capabilities	agent	system name
te0/0/1	e4:5a:d4:de:01:e0	te0/0/1	B R	N	AR3_17.126
te0/0/2	e4:5a:d4:de:01:e0	te0/0/2	B R	N	AR3_17.126
te0/0/3	e4:5a:d4:de:01:e0	te0/0/3	B R	N	AR3_17.126
te0/0/4	e4:5a:d4:de:01:e0	te0/0/4	B R	N	AR3_17.126
te0/0/5	e4:5a:d4:de:03:00	te0/0/5	B R	N	AR2_17.127
te0/0/6	e4:5a:d4:de:03:00	te0/0/6	B R	N	AR2_17.127
te0/0/7	e4:5a:d4:de:37:c0	te0/0/26	B R	N	AR1_17.129
te0/0/8	e4:5a:d4:de:37:c0	te0/0/27	B R	N	AR1_17.129
te0/0/9	e4:5a:d4:de:37:c0	te0/0/28	B R	N	AR1_17.129
te0/0/10	e4:5a:d4:de:01:e0	te0/0/17	B R	N	AR3_17.126
te0/0/12	a8:f9:4b:8b:9a:00	te0/1/18	B R	N	DR1_17.141
te0/0/13	a8:f9:4b:8b:9a:00	te0/1/3	B R	N	DR1_17.141
te0/0/14	e4:5a:d4:de:37:c0	te0/0/25	B R	N	AR1_17.129
te0/0/15	e4:5a:d4:d6:2e:c0	te1/0/4		N	
te0/0/20	e4:5a:d4:de:37:c0	te0/0/29	B R	N	AR1_17.129

:

```
0/ME5100:SW_17.128# show lldp neighbors detail interfaces te0/0/1
Thu Apr 25 17:50:08 2024
```

```
Local Interface: Tengigabitethernet0/0/1

Chassis id: e4:5a:d4:de:01:e0
Port id: te0/0/1
Neighbor MAC address: e4:5a:d4:de:01:e1
Port Description: DR1 via SW
System Name: AR3_17.126
System Description: Eltex ME5100 carrier router

System Capabilities: Bridge, Router
Enabled Capabilities: Bridge, Router
Agent: Nearest Bridge
Management Address: 3.3.3.5
```

management address :

```
lldp
interface tengigabitethernet 0/0/1
  agent nearest-bridge
  optional-tlv mgmt-addr set 172.20.1.1
  exit
exit
exit
```

:

```
lldp
  optional-tlv mgmt-addr set <IPv4 or IPv6>
exit
```

management address :

```
0/ME5100:SW_17.128# show lldp neighbors detail interfaces te0/0/1
Thu Apr 25 17:56:13 2024

Local Interface: Tengigabitethernet0/0/1

Chassis id: e4:5a:d4:de:01:e0
Port id: te0/0/1
Neighbor MAC address: e4:5a:d4:de:01:e1
Port Description: DR1 via SW
System Name: AR3_17.126
System Description: Eltex ME5100 carrier router

System Capabilities: Bridge, Router
Enabled Capabilities: Bridge, Router
Agent: Nearest Bridge
Management Address: 172.20.1.1
```

«optional-tlv», TLV- LLDP. TLV : mgmt-addr, port-desc, system-cap, system-desc, system-name.

: nearest-bridge, ME : nearest-customer-bridge, nearest-non-tpmr-bridge.