

Configuring LLDP-MED (CLI Procedure)

Link Layer Discovery Protocol Media Endpoint Discovery (LLDP-MED) is an extension of LLDP. The EX-series switch uses LLDP-MED to support device discovery of VoIP telephones and to create location databases for these telephone locations for emergency services. The location information configured is used during emergency calls to identify the location of the LLDP-MED device.

To configure basic LLDP-MED options using the CLI:

1. Configure the frequency at which LLDP-MED advertisements are sent from the switch in the first second after it has detected an LLDP-MED device:

```
[edit protocols lldp-med]
user@switch# set fast-start 6
```

2. Configure LLDP-MED on all interfaces or on a specific interface:

```
[edit protocols lldp-med]
user@switch# set interface ge-0/0/2.0
```

3. Configure the location information that is advertised from the switch to the LLDP-MED device. You can specify a civic-based location (geographic location) or a location based on an elin (emergency location identification string):

- To specify a civic-based location:

```
[edit protocols lldp-med]

user@switch# set interface ge-0/0/2.0 location civic-based country-code
US

user@switch# set interface ge-0/0/2.0 location civic-based ca-type 1
ca-value "El Dorado County"

user@switch# set interface ge-0/0/2.0 location civic-based ca-type 2
ca-value CA

user@switch# set interface ge-0/0/2.0 location civic-based ca-type 3
ca-value Somerset

user@switch# set interface ge-0/0/2.0 location civic-based ca-type 6
ca-value "Mount Aukum Road"

user@switch# set interface ge-0/0/2.0 location civic-based ca-type 19
ca-value 6450

user@switch# set interface ge-0/0/2.0 location civic-based ca-type 21
ca-value "Holiday Market"
```

- To specify location using an elin string:

```
[edit protocols lldp-med]
```

```
user@switch# set interface ge-0/0/2.0 location elin 4085551212
```

You can display the configuration settings using the `show lldp` command:

```
[edit protocols lldp-med]
user@switch> show lldp
```

```
LLDP                : Enabled
Advertisement interval : 30 seconds
Transmit delay       : 2 seconds
Hold timer           : 2 seconds
Config Trap Interval : 60 seconds
Connection Hold timer : 300 seconds
```

```
LLDP MED            : Enabled
MED fast start count : 6 Packets
```

Interface	LLDP	LLDP-MED
all	Enabled	-
ge-0/0/2.0	-	Enabled

- Related Topics**
- [Configuring LLDP \(J-Web Procedure\)](#)
 - [Example: Setting Up VoIP with 802.1X and LLDP-MED on an EX-series Switch](#)
 - [Configuring LLDP \(CLI Procedure\)](#)
 - [Understanding 802.1X and LLDP and LLDP-MED on EX-series Switches](#)