

## Configuring LLDP (CLI Procedure)

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EX-series switches use Link Layer Discovery Protocol (LLDP) and Link Layer Discovery Protocol Media Endpoint Discovery (LLDP-MED) to learn and distribute device information on network links. The information allows the switch to quickly identify a variety of devices, resulting in a LAN that interoperates smoothly and efficiently.

The LLDP protocol cannot be enabled by issuing the **set protocols lldp** statement at the **edit** hierarchy level. Enable the LLDP protocol by configuring it on all interfaces or specific interfaces.

To configure basic LLDP options using the CLI:

1. Configure the advertisement interval in seconds to specify the frequency at which LLDP advertisements are sent:

```
[edit protocols lldp]  
user@switch# set advertisement-interval 45
```

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

```
[edit protocols lldp]  
user@switch# set fast-start 8
```

3. Specify the multiplier used in combination with the **advertisement-interval** value to determine the length of time LLDP information is held before it is discarded:

```
[edit protocols lldp]  
user@switch# set hold-multiplier 5
```

4. Configure LLDP on all interfaces or on a specific interface:

```
[edit protocols lldp]  
user@switch# set interface all
```

5. Configure tracing operations for the LLDP protocol:

```
[edit protocols lldp]  
user@switch# set traceoptions file lldptrace
```

- Related Topics**
- [Configuring LLDP-MED \(CLI Procedure\)](#)
  - [Configuring LLDP \(J-Web Procedure\)](#)
  - [Understanding 802.1X and LLDP and LLDP-MED on EX-series Switches](#)

