



# Configuring 2-event Classification

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## Information about 2-event Classification

When a class 4 device gets detected, IOS allocates 30W without any CDP or LLDP negotiation. This means that even before the link comes up the class 4 power device gets 30W.

Also, on the hardware level the PSE does a 2-event classification which allows a class 4 PD to detect PSE capability of providing 30W from hardware, register itself and it can move up to PoE+ level without waiting for any CDP/LLDP packet exchange.

Once 2-event is enabled on a port, you need to manually shut/un-shut the port or connect the PD again to start the IEEE detection again. Power budget allocation for a class-4 device will be 30W if 2-event classification is enabled on the port, else it will be 15.4W.

## Configuring 2-event Classification

To configure the switch for a 2-event Classification, perform the steps given below:

### SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **interface *interface-id***
4. **power inline port 2-event**
5. **end**

### DETAILED STEPS

|        | Command or Action                    | Purpose  |
|--------|--------------------------------------|--|
| Step 1 | <b>enable</b><br><br><b>Example:</b> | Enables privileged EXEC mode. <ul style="list-style-type: none"><li>• Enter your password if prompted.</li></ul> |

|               | Command or Action  | Purpose  |
|---------------|--|--|
|               | Switch> <b>enable</b>  |  |
| <b>Step 2</b> | <b>configure terminal</b><br><b>Example:</b><br>Switch# <b>configure terminal</b>                                | Enters global configuration mode.  |
| <b>Step 3</b> | <b>interface <i>interface-id</i></b><br><b>Example:</b><br>Switch(config)# <b>interface gigabitethernet2/0/1</b> | Specifies the physical port to be configured, and enters interface configuration mode. |
| <b>Step 4</b> | <b>power inline port 2-event</b><br><b>Example:</b><br>Switch(config-if)# <b>power inline port 2-event</b>       | Configures 2-event classification on the switch.                                       |
| <b>Step 5</b> | <b>end</b><br><b>Example:</b><br>Switch(config-if)# <b>end</b>   | Returns to privileged EXEC mode.   |

## Example: Configuring 2-Event Classification

This example shows how you can configure 2-event classification.

```
Switch> enable
Switch# configure terminal
Switch(config)# interface gigabitethernet2/0/1
Switch(config-if)# power inline port 2-event
Switch(config-if)# end
```