



Configuring SFP

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Configuring SFP+

SUMMARY STEPS

1. **enable** *source-interface gigabitethernet slot/port*
2. **configure terminal**
3. **interface tengigabitethernet** *slot/port*

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable <i>source-interface gigabitethernet slot/port</i> Example: Router# enable	Enables the privileged EXEC mode. If prompted, enter your password.
Step 2	configure terminal Example: Router# configure terminal	Enters the global configuration mode.
Step 3	interface tengigabitethernet <i>slot/port</i> Example: Router(config)# interface tengigabitethernet 4/11	Specifies the 10-Gigabit Ethernet interface to be configured. Here: slot/port—Specifies the location of the interface.

Configuring FEC

Forward Error Correction (FEC) checks and recovers potential errors during long-range data transmission. The Cisco Catalyst 8530L-8S8X4Y and the Cisco Catalyst 8530L-8S2X2Y Edge Platforms have long range SFP, therefore FEC must be configured.

SUMMARY STEPS

1. **enable** *source-interface gigabitethernet slot/port*
2. **configure terminal**
3. **interface twentyfivegigabitethernet** *slot/port*
4. **fec** { **auto** | **cl108** | **cl74** | **off**}

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable <i>source-interface gigabitethernet slot/port</i> Example: Router# enable	Enables the privileged EXEC mode. If prompted, enter your password.
Step 2	configure terminal Example: Router# configure terminal	Enters the global configuration mode.
Step 3	interface twentyfivegigabitethernet <i>slot/port</i> Example: Router(config)# interface twentyfivegigabitethernet 0/0/16 4/11	Specifies the 10-Gigabit Ethernet interface to be configured. Here: slot/port—Specifies the location of the interface.
Step 4	fec { auto cl108 cl74 off } Example: Router(config)# interface twentyfivegigabitethernet 0/0/16 4/11	Configures FEC on the 25-Gigabit Ethernet interface. Following are the modes of the fec command: <ul style="list-style-type: none"> • auto— Enables FEC based on SFP type • cl108— Enables clause108 <= RS-FEC(528,514) • cl74— Enables clause74 <= FC-FEC • disable— Disables FEC on interface Note <ul style="list-style-type: none"> • The fec command is only applicable to 25G links. • For 10/25G dual-rate SFP, if the speed is changed from 25G to 10G, fec configuration should be removed first before speed change.