E Commands

errdisable detect cause

To enable error-disable (err-disabled) detection in an application, use the **errdisable detect cause** command. To disable error disable detection, use the **no** form of this command.

errdisable detect cause {**all**| **link-flap**| **loopback**}

no errdisable detect cause {**all**| **link-flap**| **loopback**}

Syntax Description

all	Enables error detection on all cases.
link-flap	Enables error disable detection on linkstate-flapping.
loopback	Enables error disable detection on loopback.

Command Default   Enabled

Command Modes   Global configuration mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines   When error disable detection is enabled and a cause is detected on an interface, the interface is placed in an err-disabled state, which is an operational state that is similar to the link-down state.

Examples   This example shows how to enable the err-disabled detection on linkstate-flapping:

```
switch(config)# errdisable detect cause link-flap
switch(config)#
```

Related Commands

Command	Description
errdisable recovery	Configures recovery from the err-disabled state.
show interface status err-disabled	Displays the interface error disabled state.

errdisable recovery cause

To configure the application to bring the interface out of the error-disabled (err-disabled) state and retry coming up, use the **errdisable recovery cause** command. To revert to the defaults, use the **no** form of this command.

errdisable recovery cause {**all**| **bpduguard**| **failed-port-state**| **link-flap-recovery**| **pause-rate-limit**| **udld**}

no errdisable recovery cause {**all**| **bpduguard**| **failed-port-state**| **link-flap-recovery**| **pause-rate-limit**| **udld**}

Syntax Description

all	Enables a timer to recover from all causes.
bpduguard	Enables a timer to recover from bridge protocol data unit (BPDU) Guard error disable state.
failed-port-state	Enables a timer to recover from a Spanning Tree Protocol (STP) set port state failure.
link-flap	Enables a timer to recover from linkstate flapping.
pause-rate-limit	Enables a timer to recover from the pause rate limit error disabled state.
udld	Enables a timer to recover from the Unidirectional Link Detection (UDLD) error disabled state.

Command Default   None

Command Modes   Global configuration mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines   When error disable recovery is enabled, the interface automatically recovers from the err-disabled state, and the device retries bringing the interface up.

Examples   This example shows how to enable error disable recovery from linkstate-flapping:

```
switch(config)# errdisable recovery cause link-flap
switch(config)#
```

Related Commands

Command	Description
errdisable detect cause	Enables the error disabled (err-disabled) detection.
show interface status err-disabled	Displays the interface error disabled state.

errdisable recovery interval

To configure the recovery time interval to bring the interface out of the error-disabled (err-disabled) state, use the **errdisable recovery interval** command. To revert to the defaults, use the **no** form of this command.

errdisable recovery interval *time*

no errdisable recovery interval

Syntax Description

time	Error disable recovery time interval. The range is from 30 to 65535 seconds.

Command Default Disabled

Command Modes Global configuration mode

Command History

Release	Modification
6.0(2)N1(1)	This command was introduced.

Usage Guidelines When error disable recovery is enabled, the interface automatically recovers from the err-disabled state, and the device retries bringing the interface up.

The device waits 300 seconds to retry.

Examples This example shows how to enable error disable recovery time interval to 100 seconds:

```
switch(config)# errdisable recovery interval 100
switch(config)#
```

Related Commands

Command	Description
errdisable recovery cause	Enables an error disabled recovery on an interface.
show interface status err-disabled	Displays the interface error disabled state.