

# set protocols spanning-tree rstp interface tcn-guard

The **set protocols spanning-tree rstp interface tcn-guard** command configures TCN (Topology Change Notification) guard on a physical port or a LAG port for RSTP mode.

## Command Syntax

**set protocols spanning-tree rstp interface** *<interface-name>* **tcn-guard** **<true | false>**

## Parameter

Parameter	Description
<b>interface</b> <i>&lt;interface-name&gt;</i>	Specifies a port name. The value is a string that can be set to a physical port name or a LAG port.
<b>tcn-guard</b> <b>&lt;true   false&gt;</b>	Enables or disables TCN-guard on a port. The value could be <b>true</b> or <b>false</b> . <ul style="list-style-type: none"><li>• <b>true</b>: enables TCN-guard.</li><li>• <b>false</b>: disables TCN-guard.</li></ul> By default, TCN-guard is disabled.

## Usage Guidelines

TCN BPDUs are generated when the switch detects a change in the spanning tree topology. If the switch receives many TCN BPDUs in a short period of time, the spanning tree recalculates frequently, causing a large burden on the device and affecting the stability of the network.

After the TCN guard function is enabled, the switch processes only a certain number of topology change packets in a certain period.

## Example

- Enable TCN guard on the port ge-1/1/1 for RSTP mode.

```
admin@Xorplus# set protocols spanning-tree rstp interface ge-1/1/1 tcn-guard true
admin@Xorplus# commit
```