

Loop Detection of Aggregation Switch



Overview

The loop detection mechanism performs periodic checking for Layer 2 loops. The mechanism immediately generates a log when a loop occurs so that you are promptly notified to adjust network connections and configurations. 1d Spanning-Tree protocol was designed to facilitate; however, I do not know of an unmanaged switch which implements STP (or any of the later versions, 802). If you loop unmanaged switches like this, you'll quickly find out why people use spanning-tree ;-). The server virtualizes a virtual switch and virtual machines. On the unmanaged switch, the port receiving traffic is connected to the port sending traffic back to the SW A in the. Network loops occur when there are multiple paths between two devices in a network, resulting in an infinite loop of data transmission, which in turn leads to broadcast storms, MAC table instability, and a significant degradation in overall network performance, even a complete crash. Network loops can slow down or stop normal traffic on your network. When your network has a loop, the switch is connected to itself and network traffic is looping and growing continuously. This guide includes two sample configurations for Link Aggregation Control Protocol (LACP), or dynamic channel groups, as well as a sample configuration for a static channel group. Additionally, it offers a straightforward example of Ethernet bonding on the TQ6702 GEN2-R, a Wi-Fi 6 (802.

Article Content

May 18, 2026

Layer 2 Configuration Guide, Cisco IOS XE 17.16.x

This chapter describes how to configure loop detection guard on the Cisco Catalyst Switches.

Feb 20, 2026

Layer 2 Configuration Guide, Cisco IOS XE Amsterdam

Configuring Loop Detection Guard Layer 2 Configuration Guide, Cisco IOS XE Amsterdam 17.2.x (Catalyst 9600 Switches)

Jun 03, 2026

Layer 2 Configuration Guide, Cisco Catalyst IE3x00 Rugged, IE3400

Loop Detection Guard Enable Loop Detection Guard using CLI Verify Loop Detect Feature History for Loop Detection Guard Loop Detection Guard A computer network can experience

May 25, 2026

What is loop detection and how does it work on my

What is loop detection and how does it work on my GS808E Nighthawk S8000 Gaming & Streaming Switch? Loop detection is an always-on feature of

Jun 24, 2026

US20140355421A1

Link Aggregation Control Protocol (LACP) loop detection in a network that includes a Software Defined Networking (SDN) controller, a server and an edge switch is provided. The server...

Sep 28, 2025

Link aggregation groups | FortiSwitch 7.6.4 | Fortinet Document Library

For LAG control, the FortiSwitch unit supports the industry-standard Link Aggregation Control Protocol (LACP). The FortiSwitch unit supports LACP in active and passive modes. In active mode, you can

Feb 13, 2026

Cisco IE3500 Series Switch Software Configuration Guide, Cisco IOS

This chapter describes how to configure loop detection guard on the Cisco Catalyst Switches.

Aug 02, 2025

Understanding Switch Aggregation: A Comprehensive

QSFPTEK: How to Choose the Best Aggregation Switch?: This source provides a comprehensive guide on choosing the best aggregation switch,

Feb 05, 2026

Configuring Loop Detection Guard

Restrictions for Loop Detection Guard Loop detection guard can be configured only on Layer 2 physical interfaces. Layer 3 ports and virtual interfaces, such as port channels, switch virtual interfaces (SVIs),

Jun 28, 2025

Understand and Mitigate Network Loops (STP)

UniFi's Loop Protection provides an extra layer of security by blocking ports when loops are detected, even if neighboring devices do not support STP. This feature

Oct 10, 2025

Link Aggregation and Ethernet Bonding Feature Overview and ...

With static link aggregation, there is not a great deal to understand—the switch treats the aggregation as effectively a single port, and uses a hashing algorithm to share data across whichever member ports

Aug 23, 2025

Layer 2 Configuration Guide, Cisco IOS XE 17.14.x (Catalyst 9200 Switches)

This chapter describes how to configure loop detection guard on the Cisco Catalyst Switches.

Sep 24, 2025

Best practice to prevent network loops with Omada SDN

This paper describes the recommended configuration on Omada SDN solution to prevent network loops and broadcast storms.

Dec 28, 2025

Configuring Loop Detection Guard

While Spanning Tree Protocol (STP) is normally the protocol that is configured for this purpose (to prevent network loops), loop detection guard is suited to situations where there may be unmanaged

Jul 02, 2025

What happens if an unmanaged ethernet switch is

Managed switches almost always have loop detection, called Spanning Tree

Jul 30, 2025

EOS 4.36.0F

In these topologies, Spanning Tree Protocol prevents network loops by blocking half of the links to the aggregation switches. This reduces the available bandwidth by

Jun 23, 2026

Layer 2 Configuration Guide, Cisco IOS XE Bengaluru 17.4.x (Catalyst ...

Configuring Loop Detection Guard Layer 2 Configuration Guide, Cisco IOS XE Bengaluru 17.4.x (Catalyst 9600 Switches)

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://piano-lessons.co.za>

Email: info@piano-lessons.co.za

Phone: +31 6 37258914

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

This document is for informational purposes only. Specifications subject to change without notice.

