

Access Switch Hot Standby



AI Overview

Hot standby on access switches ensures network redundancy by keeping backup ports or devices ready to take over immediately if the primary fails.

Overview of Hot Standby

Hot standby is a high-availability mechanism used in network switches to maintain continuous connectivity. In this mode, certain ports or devices are designated as standby and remain inactive under normal conditions. If an active port or device fails, the standby automatically becomes active, minimizing downtime and maintaining network service.

LACP Hot-Standby Ports

In Link Aggregation Control Protocol (LACP) configurations, hot standby is used when the number of physical links exceeds the maximum active links allowed in a channel. For example, if a switch supports eight active LACP links, any additional links are placed in hot-standby mode. When an active link fails, a standby link automatically becomes active based on LACP priority, which considers system priority, MAC address, port priority, and port number to determine which standby link should activate first .

Device-Level Hot Standby

Hot standby can also apply to entire devices, such as access switches or firewalls. In Active-Passive (A-P) high-availability clusters, one device is active while the other is...

Article Content

Nov 27, 2025

How to enable Hot Standby mode

Introduction Need assistance enabling Hot Standby mode. Resolution Hot Standby mode designates an access point

Dec 06, 2025

Supervisor engines configured for redundancy appear as "STANDBY HOT ...

In the RPR mode, one of the supervisor engines is active and operational, while the second supervisor engine is in

Sep 12, 2025

HSRP Overview And Basic Configuration

Introduction Hot Standby Router Protocol (HSRP) provides redundancy for IP networks, ensuring that user traffic

Nov 18, 2025

Solved: Hot Standby Router Protocol

Stacking technology allows multiple switches to function as a single logical switch, using dedicated stacking cables or

Oct 13, 2025

High Availability

This guide will demonstrate how to configure High Availability in an Active Standby configuration, which allows routers with different

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Understand the Hot Standby Router Protocol Features and ...

This document describes how the Hot Standby Router Protocol (HSRP) functions and reviews its features.

May 10, 2026

Cisco Systems AIRCAP2602IAK9 Configuring a Hot Standby Access

Check the monitored access point and record these settings before you set up the standby access point.

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C9300-48P-E how to make active

A switch stack always has one active switch and one standby switch. If the active switch becomes unavailable, the

Jun 09, 2026

HSRP – Hot Standby Routing Protocol

Hot Standby Routing Protocol (HSRP) is a Cisco proprietary protocol that provides redundancy in computer networks.

Oct 31, 2025

Hot Standby

During hot standby, a device backs up RIP data from the active main board (AMB) to the standby main board (SMB). When the AMB

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Microsoft Word

Its sole function was to monitor the two 584Bs for status and switch, using the J212 Switch Box, Primary Control over to the Standby

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How to Configure Hot-Standby Backup Mode on Omada Controller

For the nodes in Hot-Standby Backup Mode Cluster Controllers. The primary and secondary nodes need to be

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Active vs Standby

This is referred to as a "hot standby." The cost of a hot standby is a bit more, but the cost of downtime to an

Jul 20, 2026

How to configure Hot Standby Router Protocol (HSRP) with Cisco routers

Hot Standby Router Protocol (HSRP), a proprietary protocol developed by Cisco, allows to decouple the IP addresses

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Example for Configuring Dual-Link Hot Standby (HSB) for ACs

Example for Configuring Dual-Link Hot Standby (HSB) for ACs Service Requirements
An enterprise deploys a WLAN

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How to switch secondary WAN to Hot-Standby? | SNBForums

Once I decide which of my broadband connections will stay around, I'll consider where the phone-based hotspot will

Jan 30, 2026

Nexus 9000 Access Switch

Hi Team, We facing issue with one of our nexus 9000 access switch which is showing " (Hot standby in bundle)" error

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Hot-Stanby Mode vs. Active-Standby Mode

Hot-Standby Mode The primary and secondary router use the same public IP address for Internet Access. The

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PostgreSQL: Documentation: 18: 26.4. Hot Standby

When the hot_standby parameter is set to true on a standby server, it will begin accepting connections once the recovery has

May 21, 2026

(Optional) Configuring the Active/Standby Link Switchover Mode ...

(Optional) Configuring the Active/Standby Link Switchover Mode Context In dual-link cold backup or hot standby scenarios, an AP

Jul 25, 2025

PostgreSQL: Documentation: 18: 26.4. Hot Standby

Hot standby is the term used to describe the ability to connect to the server and run read-only queries while the server is in archive

Mar 14, 2026

How to Adjust Power, Standby, Hibernate, and Sleep Settings

How to adjust power, standby, hibernate, and sleep settings across Windows and macOS systems, including steps

Apr 19, 2026

Directing the standby module to become active

Causes a switchover to the standby module. For Nonstop switching, the warning displays: A nonstop switching failover will occur; L2

Feb 11, 2026

Cisco Hot Standby Router Protocol (HSRP) Explained

This article discusses Cisco Hot Standby Router Protocol (HSRP), which is one of the commonly used First Hop Redundancy

Aug 20, 2025

switch status / redundancy / active / standby : r/networking

Active/Standby refers to their status as the stack master. With one switch, its the Active switch. With two switches, one is Active

May 10, 2026

Cisco Aironet Access Point Help | Hot Standby

The standby access point does not revert to standby mode automatically. Note: Wireless client devices associated to the standby

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Configuring an M580 Hot Standby CPU

Accessing the M580 CPU Hot Standby Configuration Tab Use the Hot Standby tab of an M580 BMEH58•040 CPU to configure its

Dec 17, 2025

Hot Standby Router Protocol (HSRP)

In this lesson, we'll configure HSRP, optimize its timers for faster failover, and implement interface tracking

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How to disable Modern Standby (S0) on Windows

To disable Modern Standby on Windows 11 (or 10), create the Registry key named PlatformAoAcOverride and set it to

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Hot stand by and cold stand by

Hi, When RPR mode is used, the standby supervisor engine partially boots and keeps synchronized copies of the

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Hot Standby Router Protocol (HSRP)

Hot Standby Router Protocol (HSRP) is a Cisco proprietary protocol that provides gateway redundancy by

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Dual-Link HSB Configuration

In dual-link cold backup or hot standby scenarios, an AP simultaneously sets up active and standby links with active and standby

Sep 19, 2025

How to enable Hot Standby mode

Hot Standby mode designates an access point as a backup for another access point. The standby access point is

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Layer 3 Active/Standby Hot Standby on the NGFW Modules Installed

Two NGFW modules form hot standby in active/standby mode. Therefore, a VRRP group needs to be configured on the upstream

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Example for Configuring Dual-Link Hot Standby (HSB) for ACs

Example for Configuring Dual-Link Hot Standby (HSB) for ACs Example for Configuring VRRP HSB Example for Configuring N+1

Mar 04, 2026

dot11zen: High-Availability SSO with Cisco 9800 Wireless Controllers ...

This article is following the first part about SSO redundancy on Cisco 9800 wireless controllers. It covers various

Jun 06, 2026

High Availability (SSO) Deployment Guide

To support High Availability without impacting service, there needs to be support for seamless transition of clients and

Apr 02, 2026

Cisco Wireless Controller Configuration Guide, Release 8.5

The physical connectivity or topology of the access points on the switch are not synchronized from the active to the

Contact Us

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