

Huawei aggregation switch VRRP networking



Overview

Huawei's S6750-S Switch series delivers exactly that—a lineup of aggregation and core switches offering a variety of uplink/downlink configurations, robust Layer-3 capabilities, VXLAN virtualization, MACsec security, and intelligent O&M. VRRP virtualizes multiple routing devices into a virtual router without changing the networking, and uses the virtual router IP address as the default gateway address to implement gateway backup. When the gateway becomes faulty, VRRP selects a new gateway to transmit service traffic to ensure. 6. If a physical device (master) that serves as the next hop of hosts fails, the virtual device switches traffic to a. Huawei's S5731 switch family, also branded as CloudEngine S5731, delivers a wide-ranging lineup of gigabit switches tailored for campus access, aggregation, and even metro-area access. Breaking down into three series— S5731-L (Light), S5731-H (High-end), and S5731-S (Standard) —the series supports. To improve network reliability and service capabilities, more and more users choose to establish at least two data centers and deploy them in different areas. Multi-level M-LAG at the aggregation and access. VRRP allows logical and physical devices to work separately and implements route selection among multiple egress gateways.



Article Content

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Typical VRRP Configuration

Configure a VRRP group on Switch A and Switch B. Switch A functions as the master, its priority is 120, and the preemption delay is 20s. Switch B functions as the backup and uses the default priority.

May 12, 2026

Configuring M-LAG and VRRP/VRRP6 Across Data Centers

Networking Requirements Figure 1-20 shows the data center network across areas, and core, aggregation, and access switches are connected through 10GE interfaces. This example uses the

Jan 26, 2026

Configuring a Data Center Network Based on VS and VRRP

On the three-layer network, an access switch needs to be dual-homed to two aggregation switches, and VRRP needs to be configured on aggregation switches for gateway backup.

Nov 16, 2025

Configuring VRRP

Configuring Basic Functions of an IPv4 VRRP Group An IPv4 VRRP group implements gateway backup and ensures stable and efficient data forwarding. Pre-configuration Tasks Before configuring basic

Apr 14, 2026

01-04 VRRP CONFIGURATION

VRRP switches services to the backup device when the gateway becomes faulty, providing continuous and reliable communication services. VRRP groups multiple routing devices into a virtual router and

Sep 14, 2025

VRRP Configuration

Definition The Virtual Router Redundancy Protocol (VRRP) is a standard-defined fault-tolerant protocol that groups several physical routing devices into a virtual one. If a physical routing device (master)

Apr 01, 2026

Configuring Aggregation and Access Switches to Be Managed by the ...

A large number of aggregation and access switches need to be deployed on a large or midsize non-virtualized campus network. Therefore, during the initial batch deployment of

Mar 15, 2026

01-06 VRRP CONFIGURATION

VRRP provides a better option, which involves grouping multiple devices into a virtual device without changing existing networking. The IP address of the virtual device is configured as the default

Dec 30, 2025

Example for Configuring DHCP Servers on the Same Network

Example for Configuring DHCP Servers on the Same Network Segment (Based on the Global Address Pool in VRRP Networking) Networking Requirements In Figure 4-14, a host in an enterprise is dual

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Overview of VRRP

This document provides typical configuration examples for interoperability between Huawei switches and mainstream IP phones, firewalls, routers, Microsoft NLB servers, multi-NIC servers, Cisco switches,

Sep 25, 2025

Deploying VRRP on a Data Center Network with 2-Layer Architecture ...

Deploying VRRP on a Data Center Network with 2-Layer Architecture Applicable Products and Versions CloudEngine series switches running V100R001C00 or later versions For details about the mapping

Mar 19, 2026

01-05 VRRP CONFIGURATION

On the network shown in Figure 5-1, a VRRP group is configured on two devices, one of which serves as the master, and the other as the backup. The two devices form a virtual device that is assigned a

Feb 05, 2026

Typical VRRP Configuration

S300, S500, S2700, S3700, S5700, S6700, S7700, and S9700 Series Switches Typical Configuration Examples (V200) This document provides campus networks typical configuration examples and

Oct 15, 2025

Huawei Ethernet Switch & Network Switches Solutions

Thunder link offers various models of Huawei Ethernet switches and network switches, including the S5720, S6720, S6730, CE6800 and CE12800, designed

Jan 11, 2026

Example for Configuring M-LAG and VRRP Across Data Centers ...

Multi-level M-LAG at the aggregation and access layers can ensure reliability, improve link utilization, and expand the dual-homing access network scale to meet the customer's requirements. In addition,

Jul 12, 2025

Example for Configuring DHCP Servers Based on the Global Address

Example for Configuring DHCP Servers Based on the Global Address Pool on the Same Network Segment in VRRP Networking DHCP Server Overview Users require that all terminals on a

Aug 02, 2025

VRRP Configuration

Simplified network management: On a multicast or broadcast LAN such as an Ethernet network, VRRP provides a highly reliable default link that is applicable even if a device fails.

Jan 10, 2026

Huawei S5731 Series: VXLAN Campus & PoE Gigabit

Built on Huawei's VRP system with robust Layer 2/3 protocols, SVF + iStack fabric management, VXLAN support, and SDN programmability. The

Dec 11, 2025

Configuring MSTP and VRRP to Implement Redundancy

This guide explains how to configure MSTP and VRRP for redundancy in network systems, ensuring reliable and efficient communication.

Jun 08, 2026

Example for Configuring MSTP + VRRP Network

Example for Configuring MSTP + VRRP Network Networking Requirements Only the S5720SI, S5720S-SI, S5730SI, S5730S-EI, S6720SI, S6720S-SI, S5720EI, S5720HI, S6720EI, and

Aug 31, 2025

VRRP on Huawei router

How to configure Eth-trunk interfaces you can find in link aggregation (EEE802.3ad) on Huawei S5700. In case of Ethernet 0/0/0 of labnario_1 failure,

Dec 15, 2025

Link Aggregation Configuration

"Campus Networks Typical Configuration Examples" provides typical campus network networking modes and a variety of deployment examples."Feature Typical Configuration Examples" provides

Dec 28, 2025

Huawei S6750-S

Powered by Huawei VRP, all variants support OSPFv2/v3, BGP4+, IS-IS, RIPng, VRRP, ECMP, and comprehensive multicast. VXLAN with BGP

Contact Us

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