

How to configure VTP on a Huawei core switch



Summary of Content

Huawei switches do not natively support Cisco VTP, but VLAN management can be achieved using VCMP or GVRP for dynamic VLAN propagation and interoperability with Cisco VTP networks.

Understanding VTP and Huawei Interoperability

VTP (VLAN Trunking Protocol) is a Cisco proprietary protocol used to manage VLAN creation, deletion, and propagation across switches in a VTP domain . Huawei switches cannot directly run VTP but can interoperate with Cisco VTP networks in hybrid models:

- C-H Model: Cisco switch connects directly to a Huawei switch with no downstream Cisco switches. VLANs are manually created on the Huawei switch .
- C-H-C Model: Cisco switch connects to a Huawei switch that has downstream Cisco switches. Huawei switches can transparently forward VTP packets without modifying VLANs .
- C-H-H-C Model: Cisco switch connects to a Huawei switch, which connects to another Huawei switch, then to a Cisco switch. Huawei switches forward VTP packets transparently . In these scenarios, Huawei switches act as VTP transparent devices, forwarding VLAN information without participating in VTP management.

Huawei VLAN Management Alternatives

1. VCMP (Virtual Cable Management Protocol)

Article Content

Solutions for Replacement of VTP with VCMP

The Huawei S series switch only needs to transparently transmit VTP packets. For details, see Huawei S series switch configuration

Basic VTP Configuration

Task 5: Configure VTP Pruning on the Switches VTP pruning allows a VTP server to suppress IP broadcast traffic for specific VLANs

S2700, S3700, S5700, S6700, S7700, and S9700 Series Switches ...

S2700, S3700, S5700, S6700, S7700, and S9700 Series Switches Interoperation Configuration Guide (V200) This document

Configure VTP

Prerequisites for VTP Before you create VLANs, you must decide whether to use the VLAN Trunking Protocol (VTP) in your network.

Huawei Switch Configuration Guide | PDF | Internet Protocols

The document provides configuration instructions and commands for basic switch configuration using Huawei switches. It covers

In-depth analysis of Huawei Switch configuration Tutorial: static and ...

In-depth analysis of Huawei Switch configuration Tutorial: static and VTP management domains, how to choose the appropriate

Cisco VTP Configuration | How to Configure VTP on Cisco Switches

This video will guide you through the step-by-step process of configuring VTP on a Cisco

Solutions for Replacement of VTP with VCMP

This document provides typical configuration examples for interoperation between Huawei switches and mainstream IP phones,

Guide for Replacement of VTP+DTP with VCMP+LNP

S2700, S3700, S5700, S6700, S7700, and S9700 Series Switches Interoperation Configuration Guide (V200) This document

VTP configuration

VTP configuration We've already learned that using VTP makes it is possible to make configuration changes on one or more

Configure VTP Server and Client in Switch

This tutorial explains VTP Server configuration steps. Learn how to configure a VTP Server in Server, Transparent,

Configure VLAN Trunk Protocol (VTP)

This section provides some basic commands in order to configure VTP on the most commonly used Catalyst switches.

Comparison Between VCMF and VTP

This document provides typical configuration examples for interoperation between Huawei switches and mainstream IP phones,

VLAN Trunking Protocol (VTP): Complete Configuration Guide with ...

What is VLAN Trunking Protocol (VTP)? VLAN Trunking Protocol (VTP) is a Cisco proprietary Layer 2 messaging

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SME Network Solution Typical Configuration Examples

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Configure VLAN Trunk Protocol (VTP)

When you configure a new VLAN on one VTP server, the VLAN is distributed through all switches in the domain. This

Solutions for Replacement of VTP with VCMF

After the replacement, you need to configure the Huawei S series switch to transparently transmit VTP packets. For details, see

Overview of VTP

This document provides typical configuration examples for interoperation between Huawei switches and mainstream IP phones,

Cisco VTP (VLAN) Trunking Protocol and How to Enable It

Learn about VLAN Trunking Protocol (VTP) and how to enable it on Cisco switches. VTP simplifies VLAN

7 Interoperation and Replacement Guide for Proprietary Protocols

When VTP is enabled on the Cisco switch to synchronize VLAN information, the Huawei S series switch cannot process VTP

Basic CLI Commands on Huawei Switch

The text covers tasks such as creating a user, VLAN configuration, port settings, enabling SSH and Telnet

VLAN Trunking Protocol (VTP): Complete Configuration Guide with ...

VTP allows network administrators to make VLAN configuration changes on a central switch (VTP server) and have

Understanding and Configuring VTP

If the switch receives a VTP advertisement over a trunk link, it inherits the management domain name and the VTP

Test results of VTP password setting and Huawei switch vlan configuration

The VTP password settings and Huawei switch vlan configuration experiment results show you how to configure the vlan of a Huawei

Solved: Cisci and Huawei trunking

When VTP is enabled on the Cisco switch to synchronize VLAN information, the Huawei S series switch cannot

Configuring Interconnection Interfaces and Routes for the Core Switch ...

In this example, Internet access traffic of users passes through the BRAS, and then reaches the egress network of the firewall

GVRP Configuration on Huawei * | Huawei GVRP Configuration

GVRP is the standard based counterpart of Cisco VTP. In this configuration example, we will focus on how to configure GVRP on

huawei switch cheat sheet · GitHub

You can do this by either changing the VTP version on the Cisco edge switches to VTP version 3, or by changing the

Contact Us

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