

# Huawei Switch Access Authorized Devices



## AI Overview

Huawei switches control access for authorized devices using NAC, AAA protocols, and IAM role-based permissions to ensure secure network connectivity. Network Admission Control (NAC) and AAA Huawei switches implement Network Admission Control (NAC) in unified mode, which handles authentication, authorization, and accounting for both device administrators and access users. NAC ensures that only authorized devices can connect to the network. Access authentication is typically performed using RADIUS or HWTACACS, which communicate with AAA servers in a client/server model. HWTACACS encrypts the entire packet and separates authentication from authorization, while RADIUS encrypts only the password and combines authentication and authorization. Role-Based Access with IAM For enterprise environments, Huawei provides Identity and Access Management (IAM) to control access to switch resources. Administrators can: Create IAM users based on organizational structure. Assign users to groups and grant permissions according to their roles. Use system-defined policies like Tenant Guest to restrict access to only necessary functions. Verify permissions by logging in as the user and checking access to the Enterprise Switch console. This approach allows granular control over which devices or personnel can perform operations on the switch. CLI Commands for Managing Authorized Devices Huawei switches provide CLI commands to monitor and manage connected devices: Display connected devices: Use display mac-address to list MAC addresses of devices connected to the switch. Check ARP table: display arp shows IP and MAC addresses of recently communicating devices. Interface status: display interface brief shows which ports are active and their speed/duplex settings. LLDP neighbors: display lldp neighbor identifies neighboring devices, their type, and port connections. User creation and AAA configuration: Use commands to create local users, set passwords, define service types (SSH, Telnet), and assign access levels (1-15). Verify with displ...

## Article Content

Huawei AAA Radius device administration with cisco ISE

Hello I was wondering that if its possible to perform authentication, authorization and accounting of Huawei switches using AAA Radius. I have successfully done authentication and

Configuring Portal Authentication for Access Users on Huawei Agile ...

Configuration Precautions The RADIUS authentication and accounting shared keys and Portal shared key on the switch must be the same as those on the Agile Controller-Campus server. By default, the

Phone Clone - HUAWEI Global

Once complete, the two devices will be successfully connected. 3. Select the data and start the migration The old iPhone needs to agree to the privacy user

Configuring Authentication for Access Users on Cisco ISE (BYOD)

Interoperability Between Huawei Switches and Third-Party Authentication Servers  
Interoperation Guide for Huawei S Series Switches and Cisco ISE Configuring Cisco ISE to

01-04 INTEROPERATION BETWEEN HUAWEI SWITCHES AND

Interoperabilities Between Huawei S Series Switches and Cisco ISE.

How to configure TACACS+ on Huawei Routers and Switches

TACACS+ provides better authentication, authorization and accounting, which allows for more flexible administrative control. In this guide, we will learn how to configure TACACS+ on Huawei routers and

Configuring a Local User

To ensure device security, enable password complexity check and change the password periodically. After you change the local account's rights (including the password, access type, FTP directory, and

Example for Configuring HWTACACS Authentication, Authorization,

Configure an HWTACACS server. Here, the Secure ACS is used as an example. The configuration includes the following steps: add a device, add an administrator account, set the

S600-E Series Switches Typical Configuration Examples

Configuring Portal Authentication for Access Users on Huawei Agile Controller-Campus (Authentication Point on Aggregation Switch) Configuring 802.1X and MAC Address Authentication for Access Users

## 01-02 ACL CONFIGURATION

To achieve this, on Interface 1 of the switch, apply an ACL on the inbound direction so that the packets from the R& D department to the finance server are denied on the interface. On Interface 2, apply no

### Configuring User Access and Authentication

Configuring Portal Authentication for Wireless Users (Cloud-managed WAC, Portal 2.0 Protocol) Configuring Portal Authentication for Wireless Users (Cloud-managed WAC, HACA Protocol)

Configuring Authentication for Common Access Users and Switch ...

Introduction to Network Admission Control Network Admission Control (NAC) implements authentication, authorization, and accounting on device administrators and access users, ensuring the device and

### Configuring Local Authentication and Authorization

After local authentication and authorization are configured, the device authenticates and authorizes access users based on local user information. In local authentication and authorization, user

### Configuring Authentication for Access Users on Huawei Agile

S12700 Series Agile Switches Interoperation Configuration Guide (V200) This document provides typical configuration examples for interoperation between Huawei switches and mainstream IP phones,

Configuring Authentication for Common Access Users and Switch ...

This document provides typical configuration examples for interoperation between Huawei switches and mainstream IP phones, Cisco ISE authentication servers, Cisco ACS authentication servers, Aruba

### Configuring Authorization Rules

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide - User Access and Authentication This document describes the working mechanisms, configuration procedures, and configuration

### Configuring Cisco ISE to Authenticate Common Access Users and

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

## Using IAM Roles or Policies to Grant Access to Enterprise Switch

Before granting permissions to user groups, learn about system-defined permissions in Role/Policy-based Permissions Management for Enterprise Switch. To grant permissions for other

huawei switch cheat sheet · GitHub

Access Policies: Review access control policies to ensure that only authorized devices have access to the network. Investigating the root cause may involve a combination of analyzing logs

## Configuring 802.1X and MAC Address Authentication for Access

On a NAC network, the 802.1X, MAC address, and Portal authentication modes are configured on the user access interfaces of a device to meet various authentication requirements. Users can access

## What is TACACS and How to Configure TACACS?

This document describes the Huawei Terminal Access Controller Access Control System (HWTACACS), including the relationship between TACACS, TACACS+, and HWTACACS, the

## Example for Accessing Files on Other Devices Using SFTP

Overview SFTP is an SSH-based secure file transfer protocol, which uses secure connections for data transmission. After a switch is configured as an SFTP client, the remote SFTP

## S7700 V200R022C00 Configuration Guide

Configuration roadmap Configure STelnet login on the switch: Set the authentication mode of accessing VTY user interfaces to AAA, enable the STelnet service, and configure the authentication mode and

## Configuring Authentication for Access Users on Cisco ISE (BYOD)

This document provides typical configuration examples for interoperability between Huawei switches and mainstream IP phones, Cisco ISE authentication servers, Cisco ACS authentication servers, Aruba

## Configuring Cisco ISE to Authenticate Common Access Users and

Networking Requirements To meet service requirements, an enterprise needs to deploy an identity authentication system to implement authentication and authorization on common access users and

## Huawei Access-Lists | Huawei ACL Configurations \*

Here, we will learn Huawei Access-Lists and How to Configure ACLs on Huawei Routers. • Basic ACL • Advanced ACL • Layer 2 ACL

## Basic CLI Commands on Huawei Switch

This text is a guide detailing Basic Command Line Interface (CLI) Commands on Huawei brand switches. It provides step-by-step instructions for users to perform

## Contact Us

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