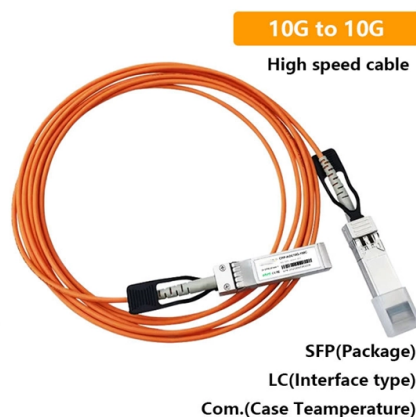


Huawei Access Switch 802 1x Authentication



AI Overview

To configure 802.1X authentication on a Huawei switch, set up a RADIUS server, configure AAA settings, and bind the authentication profile to the switch ports.

Step-by-Step Configuration

Configure the RADIUS Server: Set up a RADIUS server to handle authentication requests from the switch. Ensure that the server is reachable from the switch and that it is configured to accept requests from the switch's IP address.

Create and Configure AAA: Access the switch's command line interface (CLI) and enter the AAA configuration mode:

```
BashCopy aaa
```

Create a RADIUS server template and bind it to the AAA scheme:

```
BashCopy [Huawei-aaa] radius-server template rd1 [Huawei-aaa] radius-server authentication 192.168.1.1 1812 weight 80 [Huawei-aaa] radius-server shared-key cipher your_shared_key
```

Create an authentication scheme and bind it to the RADIUS server template:

```
BashCopy [Huawei-aaa] authentication-scheme abc [Huawei-aaa-authentication-scheme-abc] authentication-mode radius
```

Configure 802.1X Access Profile: Create an 802.1X access profile and specify the EAP authentication mode:

```
BashCopy dot1x access-profile d1 [Huawei-dot1x-access-profile-d1] eap
```

Bind the Authentication Profile: Create an authentication profile and bind it to the access profile and the domain:

```
BashCopy authentication-profile p1 [Huawei-authentication-profile-p1] access-profile d1 [Huawei-authentication-profile-p1] domain huawei.com
```

Bind the authentication profile to the switch ports (e.g., GE 0/0/2 to GE 0/0/n):

```
BashCopy interface GigabitEthernet 0/0/2 [Huawei-GigabitEthernet0/0/2] dot1x enable [Huawei-GigabitEthernet0/0/2] authentication-profile p1
```

Enable 802.1X Authentication: Ensure that 802.1X authentication is enabled globally on the switch:

```
BashCopy dot1x enable
```

Testing the Configuration: After configuration, connect a client device to the switch port and start the 802.1X client on the device. Enter th...

Article Content

Example for Configuring 802.1X Authentication (Authentication Point on ...

Example for Configuring 802.1X Authentication (Authentication Point on the Access Switch) Networking Requirements In Figure 3-22, terminals in a company's offices are connected to

802.1x wired authentication with Huawei VRP Switch

I found it very difficult to find the actual configuration steps that is required for 802.1x authentication in Huawei's VRP based switches. Huawei have two authentication modes - unified

Example for Configuring 802.1X Authentication to Control User Access ...

To ensure that users can pass 802.1X authentication, you must configure the EAP packet transparent transmission function on the LAN switch. The S600-E is used as an example of the LAN switch.

iMaster NCE Campus — Huawei Enterprise

Huawei's iMaster NCE-Campus simplifies virtualized network management and VMs, making provisioning services and O& M easier and faster. Learn more.

Huawei AirEngine 9703-S-T Wireless Access Controller Datasheet

When used with Huawei's full series 802.11be, 802.11ax, 802.11ac, and 802.11n APs, the AirEngine 9703-S-T delivers an adaptable solution for midsize and large campus networks, enterprise office

Huawei CloudEngine S6730-H-V2 Series 10GE Switches Datasheet

Delivering Abundant Services More Agilely With the unified user management function, the CloudEngine S6730-H-V2 series switches authenticates both wired and wireless users, ensuring a consistent user

Huawei S220-24T4X 24 Port Managed Switch

The Huawei eKitEngine S220-24T4X 24-Port Web-Managed Gigabit Switch is a high-density, enterprise-class non-PoE network aggregation and access switch built for Small and Medium Enterprises

Huawei S7700, S8700, S9700, S12700 and S16700 Switches Support

S7700& S8700& S9700& S12700& S16700 Series: Access product manuals, HedEx documents, product images and visio stencils.

Example for Configuring 802.1X Authentication to Control User Access ...

Run the `l2protocol-tunnel user-defined-protocol 802.1x protocol-mac 0180-c200-0003 group-mac 0100-0000-0002` command in the system view of the LAN switch to configure the LAN switch to

802.1x with Huawei Switch & Windows NPS

In this guide, we will configure 802.1X port-based authentication on a Huawei switch and use Windows Server NPS (Network Policy Server) as the RADIUS server.

IEEE 802.1X authentication for eLux | IEEE 802.1X authentication

IEEE 802.1X is an IEEE standard for port-based Network Access Control in IEEE 802 networks. It provides an authentication mechanism for client devices wishing to attach to a LAN or

Example for Configuring 802.1X Authentication to Control User Access ...

Enable 802.1X authentication to control network access rights of the employees in the office. Configure the user access mode to multi-authen and set the maximum number of access

Huawei S310-48P4S 48-Port Gigabit Managed Switch Price in Kenya

Description Huawei S310-48P4S 48-Port Gigabit PoE+ L3 Managed Switch – 380W
Huawei S310-48P4S is an advanced Layer 3 managed PoE+ access switch designed to deliver high-performance

Huawei CloudEngine S6750-H Series 25GE Switches Datasheet

Introduction Huawei CloudEngine S6750-H series 25GE switches are next-generation enterprise-class core and aggregation switches that offer high performance, high reliability, cloud management, and

Huawei S3700, S5700 and S6700 Switches Support Guide, Manuals

S3700& S5700& S6700 Series CloudEngine S5735I-H-V2: Access product manuals, HedEx documents, product images and visio stencils.

HUAWEI eKitEngine S630 Series Switches Datasheet

The switch supports unified user management and shields the differences in access device capabilities and access modes. It supports multiple authentication modes, including 802.1X and MAC address

Configuring Wireless 802.1X Authentication

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

CloudEngine S5731-H48T4XC

S3700& S5700& S6700 Series CloudEngine S5731-H48T4XC: Access product manuals, HedEx documents, product images and visio stencils.

Configuring 802.1X and MAC Address Authentication for Access

To reduce network reconstruction investment, you are advised to configure the 802.1X authentication function on the aggregation switch and connect a single centralized authentication server to the

Example for Configuring 802.1X Authentication (Authentication Point)

After users go online, you can run the `display access-user access-type dot1x` command on the switch to view information about online 802.1X authentication users.

Configure 802.1x Port Authentication Setting on a Switch

This article provides instructions on how to configure 802.1x port authentication settings through the web-based utility of the switch

HUAWEI S Series Switch-802.1x Authentication Configuration

HUAWEI S Series Switch-802.1x Authentication Configuration video explains 802.1x authentication principles and usage scenarios, and demonstrates how to configure 802.1x...

01-20 HUAWEI-BRAS-SRVCFG-EAP-MIB

20.1 Functions Overview HUAWEI-BRAS-SRVCFG-EAP-MIB describes global 802.1X configurations and 802.1X configurations on an interface.

01-02 802 1X AUTHENTICATION CONFIGURATION

To protect network security, 802.1x authentication should be enabled to ensure that all users can access the network only after passing the authentication.

Huawei S3700, S5700 and S6700 Firmware & Software Download-Huawei

S3700& S5700& S6700 Series: Access the latest firmware, download and update.

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