

Access Switch RADIUS Authentication



Overview

Configure the switch for RADIUS authentication through the following access methods: Console: Either direct serial-port connection or modem connection. Telnet: Inbound Telnet must be enabled (the default). SSH: To use RADIUS for SSH access, first configure the switch . Cisco Meraki MS switches offer the ability to configure access policies, which require connecting devices to authenticate against a RADIUS server before they are granted network access. These access policies are typically applied to ports on access-layer switches to prevent unauthorized devices. RADIUS: RADIUS is a distributed client/server system that secures networks against unauthorized access by providing flexible administrative control over authentication, authorization processes, and offers detailed accounting information. This applies the privilege level specified by the service type value received from the RADIUS server.) radius-server no radius-server [host <ip-address>] Adds a. Switch functions as the network access server on the destination network, providing access to users only after they are remotely authenticated by the server.



Article Content

Jul 13, 2025

Example for Configuring the Primary and Secondary RADIUS Servers

The RADIUS server will authenticate access users for Switch. If RADIUS authentication fails, local authentication is used. The RADIUS servers at 10.7.66.66/24 and 10.7.66.67/24 function as the

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Cisco Switch authentication with radius (AD NPS)

Step 1. login to Cisco switch with console cable and go into configuration mode
Step 2. config authentication method to radius
aaa new-model
aaa authentication login

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Radius Authentication Cisco Switch

Since radius server is sending access-reject so you need to check the NPS/IAS Event Viewer logs to find the reason of failure. My guess, PAP as an authentication method is not enabled

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Access Control and Authentication on Switching Devices

You can control access to your network through a switch by using several different authentication. Junos OS switches support 802.1X, MAC RADIUS, and captive portal as an

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how to configure radius authentication for switch ...

Hi. We are struggling to configure radius authentication on our new VSP Fabric switches. We have successfully managed to get this to work on ERS switches but not VSP/Fabric Switches.

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RADIUS (Remote Authentication Dial-In User Service)

The RADIUS protocol provides centralized authentication services to the servers through which remote users connect to the network. Types of remote

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Configure Remote Authentication Dial-In User Service (RADIUS)

Objective Remote Authentication Dial-In User Service (RADIUS) is a networking protocol that provides centralized Authentication, Authorization, and Accounting (AAA or Triple A)

Aug 29, 2025

Security Configuration Guide, Cisco IOS XE 17.16.x

Clients send authentication requests to a central RADIUS server, which contains all user authentication and network service access information.

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RADIUS Authentication Explained: A Technical Overview

Learn how RADIUS authentication works, including its key components, communication flow, and security features. Learn its importance in

Jan 08, 2026

Configuring MAC-Based Authentication on a Switch

How Does Radius Work? There are three main components to 802.1X authentication, a supplicant (client), an authenticator (network device such as a switch), and an authentication server (RADIUS).

Nov 05, 2025

MS Switch Access Policies (802.1X)

Cisco Meraki MS switches offer the ability to configure access policies, which require connecting devices to authenticate against a RADIUS server before they are granted network access.

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RADIUS Authentication and Accounting

RADIUS (Remote Authentication Dial-In User Service) enables you to use up to three servers (one primary server and one or two backups) and maintain separate authentication and accounting for

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Configuring RADIUS

Networks with multiple-vendor access servers, each supporting RADIUS. For example, access servers from several vendors use a single RADIUS server-based security database. In an IP-based network

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What Is the RADIUS Protocol? | Fortinet

Remote Authentication Dial-In User Service (RADIUS) is a networking protocol that authorizes and authenticates users who access a remote network. A protocol is a collection of rules that control how

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Security

Security and Password—refer to the “Preventing Unauthorized Access to Your Switch” section in the Configuring Switch-Based Authentication chapter in the

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Configuring authentication for RADIUS access methods

Configure the switch for RADIUS authentication through the following access methods: Console: Either direct serial-port connection or modem connection. Telnet: Inbound Telnet must be enabled (the

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Understanding RADIUS: Remote Authentication Dial-In

Remote Authentication Dial-In User Service (RADIUS) is a cornerstone protocol for managing network access. It underpins the security and

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Examine how the RADIUS Works

In RADIUS, authentication and authorization are coupled together. If the username is found and the password is correct, the RADIUS server returns an Access-Accept response, that

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IPSK with RADIUS Authentication

Enabling and configuring IPSK with RADIUS authentication Easy PSK Note: This article does not cover how to configure the RADIUS server. This feature is meant to be used by specific

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How to configure RADIUS on Cisco switch

Configure Radius correctly and combine the authentication and authorization processes in your network. This short guide shows you how.

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Authenticating users with a RADIUS server | FortiSwitch 7.2.10 ...

Select the name of the RADIUS server that you configured in step 1. Select Add Group. Configure the port security: Go to Switch > Interfaces. Select a port and then select Edit. Select

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Configuring the switch for RADIUS authentication

RADIUS authentication on the switch must be enabled to override the default authentication operation which is to automatically assign an authenticated client to the operator privilege level. This applies

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Configuring the switch to access a RADIUS server

Configuring a RADIUS server to support web-based authentication and MAC Authentication require the following minimal commands: (See RADIUS Authentication, Authorization, and Accounting for

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RADIUS Configuration Guide

RADIUS authentication is a process that verifies identity using a sequence of predefined authentication methods. To configure AAA

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RADIUS Server Configuration for Authentication | Junos OS | Juniper ...

To use 802.1X or MAC RADIUS authentication, you must specify the connections on the switch for each RADIUS server to which you want to connect. Read this topic for more information.

Contact Us

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