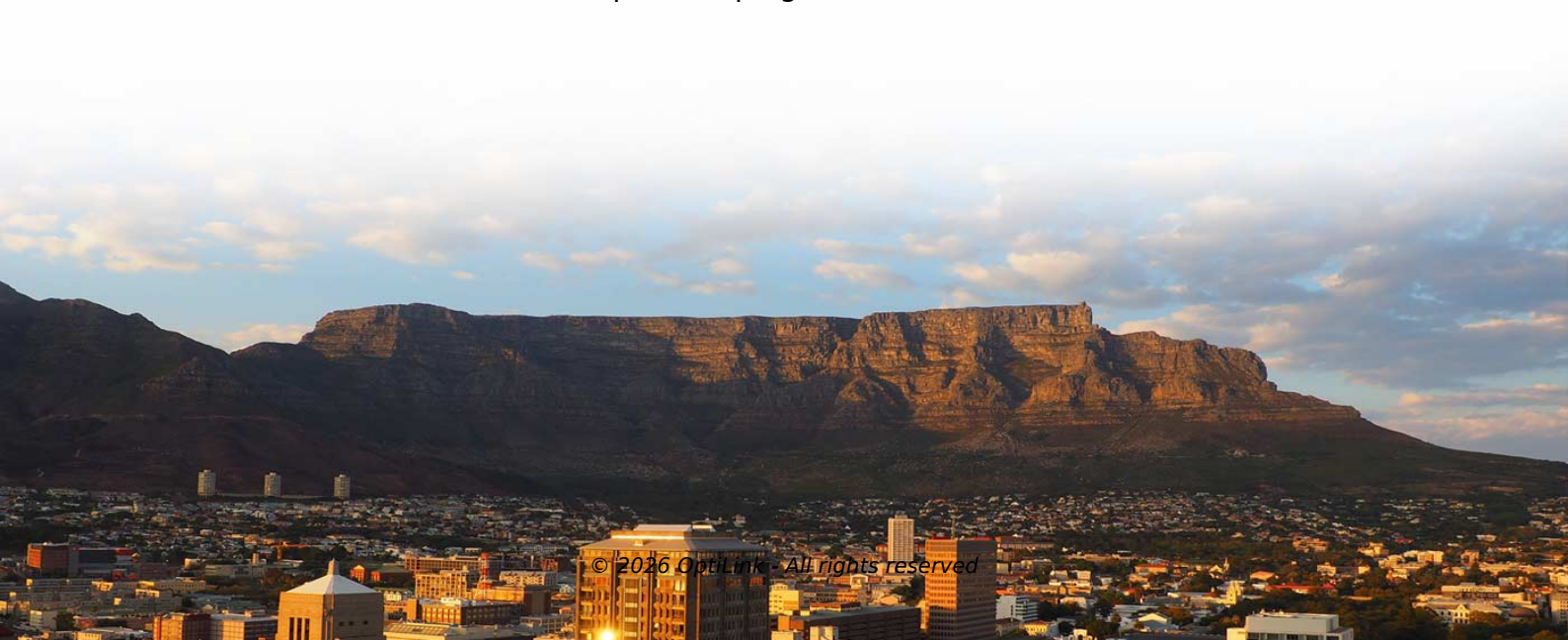


The access layer switches are configured the same



Overview

The access layer consists of layer 3 switches, which take routed and switched data packets from the distribution switches and then route them to the access devices in subnets. The access devices in subnets can be modems, video display units, receiver audio phones . Access layer switches are primarily deployed in Layer 2 mode in the data center. In a properly designed network, LAN switches are responsible for directing and control-ling the data flow at the access layer to networked resources. This is largely due to how port-level settings interact with physical capabilities and peer devices. Key factors. Is it wrong to configure access layer switches as layer 3 instead of layer2 as all the latest 9200 9309 series essential switches are layer 3 by default ie ip routing is enabled hence i define interface vlan ip for all vlans being spanned through network and ip route to core for routing instead of. The access layer is where endpoints (such as phones, laptops, video-conferencing sets, printers, IoT sensors, IP cameras, and servers) are primarily connecting to the network. FortiSwitch units distribute the ports to plugs.



Article Content

Hot

Cisco EtherChannel Protocols and Configuration

The access layer switches Acc3 and Acc4 both have two FastEthernet uplinks. How much total bandwidth is available between the PCs attached to Acc3 and the PCs

May 10, 2026 Hot

Configuring Network Security with ACLs

VLAN ACLs or VLAN maps access-control all packets (bridged and routed). You can use VLAN maps to filter traffic between devices in the same VLAN. VLAN maps are configured to provide access control

Dec 11, 2025 Hot

Basic Switching Concepts and Configuration

Optimize enterprise switch deployments by mastering port configuration. Learn to prevent speed mismatches, VLAN errors, PoE issues, and LACP failures for seamless network performance.

Jul 18, 2025 Hot

Common Pitfalls in Switch Port Configuration and How to Avoid Them

Discover common mistakes in switch port configuration and learn best practices to avoid them for a more reliable, secure, and efficient network.

Mar 30, 2026 Hot

Data Center Access Layer Design

Overview of Access Layer Design Options Access layer switches are primarily deployed in Layer 2 mode in the data center. A Layer 2 access topology provides the following unique capabilities

Jun 02, 2026 Hot

Core Switch vs. Distribution Switch vs. Access Switch

The access layer consists of layer 3 switches, which take routed and switched data packets from the distribution switches and then route them to the access devices

Jun 09, 2026 Hot

Understanding the Role of an Access Switch in Your

Explore the crucial role of an access switch in your network. Learn how it connects end-users and devices via Ethernet, enhancing overall performance.

Feb 21, 2026 Hot

Configuring the Switch for Access Point Discovery

Locally stored switch IP address discovery—If the access point was previously associated to a switch, the IP addresses of the primary, secondary, and tertiary switches are stored in the access point's

Jan 11, 2026 Hot

Example for Configuring a Layer 2 Switch to Work with a Router for ...

It is required that users access the Internet through the Layer 2 switch and router and that the router function as the gateway of users. Figure 2-39 Configuring a Layer 2 switch to work with a router for

Apr 01, 2026 Hot

Example for Configuring a Layer 2 Switch to Work with a Router for ...

Layer 2 switches perform only Layer 2 forwarding instead of Layer 3 forwarding. That is, Layer 2 switches support only Layer 2 features instead of Layer 3 features such as routing. Layer 2 switches

May 24, 2026 Hot

Access layer | FortiSwitch 7.6.0 | Fortinet Document Library

Using this design, you can go up to eight switches and never need more than 4x10-GbE ports per switch to interconnect other access-layer switches or the aggregation layer.

Jul 17, 2025 Hot

Chapter 27

Chapter 27 Autonomous APs offer one or more fully functional, standalone basic service sets (BSSs). They are also a natural extension of a switched network, connecting wireless service

Jul 15, 2025 Hot

Uplink Interface Connectivity

The uplink EtherChannel interfaces to distribution routers and switches should be configured to trust router advertisements and IP response, because Layer 3 routing and server functionality resides on

Feb 25, 2026 Hot

Cisco Nexus 3548 Switch NX-OS Layer 2 Switching Configuration

Verifying the Interface Configuration Information About Access and Trunk Interfaces
Understanding Access and Trunk Interfaces Ethernet interfaces can be configured either as access

Apr 05, 2026 Hot

Access Layer Compact Switch Deployment Guide

rt for these additional access layer ports. The Cisco Catalyst Compact Switch family supports a common feature set with the networking platforms that are a ready a part of your Cisco SBA access layer.

Apr 26, 2026 Hot

CCNA3 v7 – Practice Final – ENSA Answers 2026

CCNA3 v7 – Practice Final – ENSA Answers Full 100% 2026 The Cisco Netacad ENSA Version 7.00 CCNA 3 v7 Practice Final – ENSA Answers

Jul 01, 2025 Hot

What are data center-class switches?

The three-tiered design connects devices and layers across an enterprise infrastructure with high scalability. Up until a few years ago, only

Jul 28, 2025 Hot

Routers and L3 Switches | NetworkAcademy.IO

Learn how routers and Layer 3 switches connect networks, route IP packets, and enable fast inter-VLAN communication in modern network designs.

Sep 02, 2025 Hot

ACL_Guide

1 ACL Configuration Guide This document describes the Access Control Lists (ACL) feature supported in Supermicro Layer 2 / Layer 3 switch products. Access Control List

Nov 18, 2025 Hot

OSPF Configuration Guide

The access switch can now perform inter-VLAN routing locally, directly routing traffic between VLANs that terminate on that switch, without needing to send the traffic up to the distribution

May 14, 2026 Hot

Exam HPE6-A73 topic 1 question 61 discussion

Two AOS-CX switches are configured for VSX at the access layer, where servers attached to them. An SVI interface is configured for VLAN 10 and

Aug 20, 2025 Hot

Is it wrong to configure access layer switches as layer 3

All latest 9200 9300 catalyst switches that are cisco recommended switches for access layer are by default layer 3 enabled with ip routing. Hence, making them layer 2 when deploying at

Dec 10, 2025 Hot

CCNA Series - L2 and L3 Switches

In this edition of the CCNA Series, we are going to cover network switches. In the CCNA exam topics, we are looking specifically at Network

Feb 01, 2026 Hot

Is it wrong to configure access layer switches as layer 3

Is it wrong to configure access layer switches as layer 3 instead of layer2 as all the latest 9200 9309 series essential switches are layer 3 by default ie ip routing is enabled hence i define

Feb 13, 2026 Hot

Access Layer (Access Switch)

The access layer is the edge of a campus network, which provides diverse access modes to PCs, network cameras, printers, IP phones, and wireless terminals. It is the first tier of the campus

Jun 05, 2026 Hot

Cisco Data Center Infrastructure 2.5 Design Guide

Access layer switches are primarily deployed in Layer 2 mode in the data center. A Layer 2 access topology provides the following unique capabilities

May 15, 2026

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://eedenmarketing.co.za>

Email: info@moletenare-ew.co.za

Phone: +86 138 1658 3346

Address: Ningbo, China

This document is for informational purposes only. Specifications subject to change without notice.

