The access network is from the local switch to



Overview

An access network is a type of network which physically connects an end system to the immediate router (also known as the “edge router”) on a path from the end system to any other distant end system. The term campus LAN refers to a LAN network that spans a single geographic location, such as a building or university campus. This layer is directly connected to subnets. The access layer consists of layer 3 switches, which take routed and switched data packets from the. • The access network: This network is the link between end-users and the broader telecommunications network. Figure 1: Simplified view of a communications network with access, metro, and core segments. Its primary job is to aggregate data from multiple end-users and funnel it into the core network, and. An access switch or layer two switch is a device used to connect the end-user equipment, including computers, printers, and IP telephones, to the wider organization's network.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Article Content

Access, Distribution, and Core Layers Explained

Switches in this layer are called access switches. End devices connect to the LAN through the access switches. In other words, an access

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

What are Access Networks and Why Should We Care?

This article focuses on the telecom access network, exploring its unique characteristics, how it stands apart from metro and core networks, and the specific requirements for transceivers that distinguish it

Access Networks

An access network is a type of network which physically connects an end system to the immediate router (also known as the “edge router”) on a path from the end system to any other

What Are Access Networks and How Do They Work

Often called the "last mile" (even though its length can vary), the access network is the bridge between you, the end-user, and your Internet

Understanding Access Switches: Key Components of

Explore the role of access switches in your LAN setup. Understand their key components, functions in the access layer, and how they integrate into

What is the Access Switch?

In each layer, the enterprise switches are categorified, among which the access switch is a key part at which local end-users are allowed into the network. This

Core, Distribution, and Access Layer Explained with

Think of your network like a city. The core layer is your highway system, the distribution layer represents the main streets connecting

Core network vs access network explained | Neos

Also known as the “last mile”, an access network is the final stretch of a telecoms network that connects your premises to your service provider''s

What is an access network?

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

How does an access network work? Users need a modem, router or switch before they can connect to an ISP. This device communicates with the ISP''s server via various network protocols

ITPro Today, Network Computing, IoT World Today combine

Editor''s note: You may have reached this page because you tried to access a URL on ITPro Today, Network Computing, or IoT World Today that is no longer supported.

Network Address Translation (NAT)

Network Address Translation (NAT) allows multiple devices in a private network to access the internet using a single public IP address. It helps

WORLD WIDE WEB JOURNAL Home

will open to start the export process. The process may take but once it finishes a file will be downloadable from your browser. You may continue to browse the DL while the export process is in

What is a network? Definition, explanation, and examples

Networks are all-pervasive in IT. They also shape our everyday lives and corporate environments. But what is a network exactly? We''ll explain using

What Is a DMZ Network and Why Would You Use It?

A DMZ or demilitarized zone is a perimeter network that protects and adds an extra layer of security to an organization''s internal local-area network from untrusted

Switch Port VLAN Assignment (Trunk & Access Ports)

Switch Port VLAN Assignment (Trunk & Access Ports) Configuring VLANs (Virtual Local Area Networks) on switch ports is essential for network segmentation and

What is a VLAN (Virtual LAN)?

A VLAN, like the LAN it sits atop, operates at Layer 2 of the network, the Ethernet level. VLANs partition a single switched network into a set of

Local Network Access on iPhone: What It Is and How to

What you should do when you see a pop-up window asking if you want to allow an app to find and connect to devices on your local network.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Contact Us

Continue your research online:

Website: https://kenhardtprimary.co.za
Technical inquiry: https://kenhardtprimary.co.za/project-desk.html
African project coordination: Century City, Cape Town, Western Cape, South Africa

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved