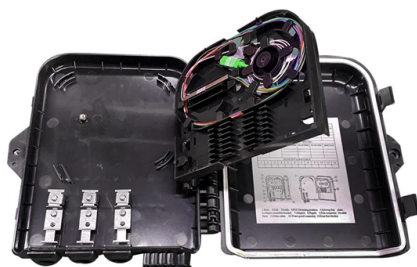


Campus Network Core Switch Configuration Table



Summary of Content

A core switch configuration table typically includes VLANs, interface assignments, routing protocols, management IPs, and redundancy settings for campus networks.

Core Switch Configuration Table Example

Parameter	Description	Example Configuration	Hostname	Switch
identifier	CORE1	Management Interface	Interface for in-band management	MEth0/0/0 or VLANIF 1
management	10.0.0.1/24	Management IP	IP address for switch	
management	10.0.0.1/24	VLANs	Segmentation of network traffic	VLAN 10 (Dept A), VLAN 20 (Dept B), VLAN 100 (Uplink)
Trunk1	CORE ↔ ACC1/ACC2	LACP or static	Access Interfaces	Links to other switches
devices	Gig1/0/1 → PC, Gig1/0/2 → Server	Hybrid Interfaces	Ports connecting to either switch or PC	Gig1/0/3
connectivity	OSPF area 0, EIGRP, PIM-SM	Dynamic routing for inter-VLAN and external	Loopback Interface	Router ID
and troubleshooting	Loopback0: 10.0.0.1/32, OSPF area 0, PIM-SM enabled	Default Route	Route to egress router	ip route 0.0.0.0/0 10.0.0.254
DHCP Server	IP allocation for VLANs	VLANIF 10 → Pool 10.0.10.0/24, VLANIF 20 → Pool 10.0.20.0/24	Redundancy	High availability configuration
enabled	Security Features	Prevent unauthorized access	DHCP snooping, IP Source Guard (IPSG), ACLs	NTP Server
ntp server	192.168.1.1	Time synchronization		

Key Configuration Notes

- VLAN and Trunking: Core switches aggregate access switches using trunk links and Eth-Trunks for redundancy and load balancing.

Article Content

Wired Core | Validated Solution Guide

The Wired Core Configuration section describes the procedures used to configure a wired core chassis using HPE

Slide 1

Distribution Switch Campus Core Router Campus Border Router In all cases examples of mainstream vendor models are given to

How to plan for a campus core switch refresh: Basic requirements

Big campus core switch refreshes typically occur every 5 to 10 years, or longer, depending on the switch. When

HPE Aruba Networking

The Aruba Documentation Portal hosts user documentation and support resources for all Aruba products, including ArubaOS

9 Configuring and Managing the Campus Network

ecting and configuring the routing protocols. This chapter looks at the planning and design of a simple campus network, including

Configuring the Core Switch

When configuring interfaces and routes, you need to specify a VPN instance to isolate public network routes from the

Hybrid Campus LAN Design Guide (CVD)

Designing a LAN for the campus use case is not a one-design-fits-all proposition. The scale of campus LAN can be as simple as a

Network Switches

Cisco network switches deliver performance, flexibility, and security. Cisco switches are scalable and cost

Campus Switches | Huawei Enterprise

Huawei campus switches offer high-performance, secure, and reliable switching for enterprises, governments, finance and

Solutions

Introduction Designing a LAN for the campus use case is not a one-design-fits-all proposition. The scale of campus

Campus Deployment Guide

With the network core fully provisioned, we are now ready to focus on configuring the access layer of the network. For most campus

campus-hostel-lan/configs/core_switch.txt at main · imnrxr ...

Cisco Packet Tracer simulation of a secure multi-floor hostel LAN — VLANs, inter-VLAN routing, DHCP, NAT, DNS, ACLs, wireless,

Version_002

What is a CAMPUS LAN? - definition Campus network design concepts include small networks that use a single LAN switch, up to

Small-Sized Campus Networks

This section uses the S2750 as an access switch (ACC1), S5700 as a core switch (CORE), and an AR series router as an egress

Campus Network Best Practices: Core and Edge Networks

Research and Education needs flexible and open networks Things to consider NAT makes some things hard (H.323 video)

Campus LAN and Wireless LAN Solution Design Guide

To mitigate the concerns about unavailability of network resources, campus designs include

AhmS3cOps/Campus-Network-Configuration-Lab

This project covers the full setup of a campus network in Cisco Packet Tracer: VLANs, trunking, spanning-tree optimization,

Solutions

This document provides a pre-validated design and deployment guide for a campus LAN comprised of both Catalyst

CX Campus Core Switches at a Glance

HPE Aruba Networking CX switches are purpose-built for cloud, mobility, and IoT. Based on the single AOS-CX switch operating

Campus LAN: Core, Distribution, Access Layers

Guide to building a Campus LAN with 2-Tier and 3-Tier architectures, focusing on Access to Distribution layer

The Roles Campus LAN Switches Play in a Modern Enterprise Network

The second use for edge — and the term we're interested in — is in describing switches that connect end-user

Enterprise Campus 3.0 Architecture: Overview and Framework

Document Objectives This document presents an overview of the campus network architecture and includes

Example for Configuring a Small-Sized Campus Network

As shown in Figure 10-171, on a small-sized campus network, S2700 and S3700 switches are typically deployed as access switches

Configuring the Core Switch

In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need

Campus LAN and Wireless LAN Solution Design Guide

Campus network design concepts include small networks that use a single LAN switch, up to very large networks with

Design Zone

Although there are many types of stub areas, Cisco recommends that “totally stubby” area configurations be used for

Support

- Configure the core switches as the DHCP servers to dynamically assign IP addresses to campus users.
- Enable DHCP snooping

S Series Campus Switches Quick Configuration Guide (V600)

On a small campus network, the S5735-L-V2 is usually deployed at the access layer, the S8700-4 is usually deployed at the core

Quickly Configuring Small Campus Networks

Quickly Configuring Small Campus Networks Follow the procedure shown below to configure the switches and router. Once

Contact Us

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