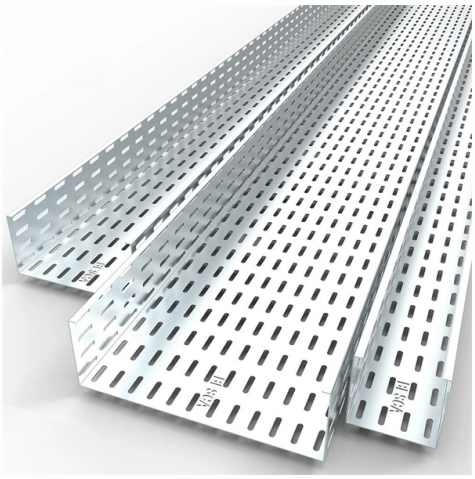
Botswana Core Switch Configuration



Overview

Botswana University of Agriculture and Natural ResourcesBotswana University of Agriculture and Natural Resources formally known as Botswana College of Agri.

Key Takeaways

Core switch configuration in Botswana typically involves setting hostnames, securing access, configuring interfaces, VLANs, and saving the running configuration to ensure network stability.

Basic Configuration Steps

Access the CLI Connect to the switch via console, SSH, or Telnet. The default console speed is usually 9600 bps. Enter privileged EXEC mode using the enable command to access advanced configuration options.

Set Hostname and MOT

D Assign a unique hostname for identification: CodeCopySwitch> enableSwitch# configure terminalSwitch(config)# hostname BUAN-CoreSwitch(config)# banner motd "Authorized Access Only" The MOTD banner serves as a legal notice to unauthorized users.

Secure Access



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Set strong passwords for console and privileged EXEC modes: CodeCopySwitch(config)# enable secret StrongPassword123Switch(config)# line console 0Switch(config-line)# password ConsolePassSwitch(config-line)# loginSwitch(config-line)# exit Encrypt passwords to prevent plain-text visibility: CodeCopySwitch(config)# service password-encryption Configure Interfaces and VLANs Assign IP addresses and configure VLANs for network segmentation: CodeCopySwitch(config)# interface vlan 1Switch(config-if)# ip address 192. 168. 1.

1 255. 255. 255.

0Switch(config-if)# no shutdown Configure trunk or access ports as needed for uplinks and end devices. Set Clock and Timezone Synchronize the switch clock for logging and network management: CodeCopySwitch(config)# clock set 12: 00: 00 May 22 2026Switch(config)# clock timezone CAT 2 Save Configuration Ensure all changes persist after a reboot: CodeCopySwitch# copy running-config startup-config This saves the running configuration to NVRAM.

Best Practices

Redundancy: Use multiple core switches with HSRP or VRRP for high availability. Security: Implement ACLs, disable unused ports, and enable SSH for remote management. Monitoring: Enable SNMP and logging to monitor network health.

Documentation: Maintain a record of VLANs, IP addresses, and interface assignments for troubleshooting.

Botswana Context

Institutions like the Botswana University of Agriculture and Natural Resources (BUAN) have issued tenders for Cisco core switch supply, installation, and configuration, highlighting the importance of standardized, secure, and scalable network setups in Botswana. Following these configuration steps ensures compliance with institutional network requirements and supports robust connectivity across campuses.

Article Content

Botswana University of Agriculture and Natural Resources

Botswana University of Agriculture and Natural Resources formally known as Botswana College of Agriculture is an agricultural and natural resources University located in Gaborone, Botswana.

SUPPLY, DELIVERY, INSTALLATION AND CONFIGURATION OF

BOTSWANA UNIVERSITY OF AGRICULTURE AND NATURAL RESOURCES Botswana has Released a tender for SUPPLY, DELIVERY, INSTALLATION AND CONFIGURATION OF CISCO CORE

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Supply, Installation, and Configuration of Core Switch and Network ...

Tenders are invited for Supply, Installation, and Configuration of Core Switch and Network Points for Botswana University of Agriculture and Natural Resources (BUAN).

Tenders Are Invited For Supply And Delivery Of Cisco Switches in

Tenders are invited for Supply and Delivery of Cisco Switches to Botswana University of Agriculture and Natural Resources (BUAN). Tender Fees: BWP 200/- Non refundable.

EEB 542: Computer Networks Lab 02

In this lab, the essential steps for configuring a switch were carefully followed, emphasizing both security and basic configuration. Setting strong and unique passwords for console and privileged EXEC

HRDC TENDERING PROCEDURES T1.1 TENDER NOTICE and

Tender Title: Design, Supply, Installation, Configuration, Testing, Documentation, and Commissioning of the Unified Communications and Collaboration Solution to Human Resource Development Council

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If you''re looking to configure a switch for the first time, this post is for you. Learn step-by-step configuration commands for Cisco IOS Switches.

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How to Configure a Cisco Switch in 10 Steps

Learn how to Configure a Cisco Switch. Follow along this Step-by-Step guide that will get you using Commands via PuTTY CLI

Guide to Basic Switch Configuration | Auvik

Switch configuration on your own can seem like a daunting task. Use this handy guide to get your network switch up and running with ease.

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Advice on core switch setup : r/sysadmin

For smaller deployments, the goto Cisco configuration is a pair of 4500-X switches in a VSS configuration with 2960-X switches for access layer. The VSS allows two switches to be managed as

Configuring the Core Switch

Configuring the Core Switch Context In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need to be configured on the core

Huawei SAR Software Operations hiring Core Network Packet Switching

More than 5 years of work experience in core network operations, specifically in data communication and packet switching systems. Over 3 years of experience in the maintenance of Core Network

Understanding the Core Switch: Key Differences and Uses

Explore the core switch''s role as the backbone of your network. Discover key differences, uses, and insights into layer 3 core switch technology.

Distribution & Core layer switch configuration

Hi, I have 6500,4500 & 3500 switches. I want to configure 6500 as core, 4500 as distribution & 3500 as access layer switch for the campus lan. As best pracitce where should i

Catalyst 2948G-L3 Sample Configurations

This document provides three sample configurations for the Catalyst 2948G-L3. The configurations are a single-VLAN network, a multi-VLAN

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

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