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Firewall and Core Switch VLANs

Firewall and Core Switch VLANs

henokw-stack/Enterprise-Network1

Inter-VLAN Routing: Configured SVIs on a Cisco Layer 3 Core Switch. Dynamic IP Assignment: Centralized DHCP pools for multiple departments (HR/IT). Static Routing Logic: Established a

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Quan Tri Mang và Firewall Co Ban

If you're starting your journey in networking, understanding these 3 core pillars is a must ? ? Routing ? Connects different networks and forwards data using IP

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Find software and support documentation to design, install and upgrade, configure, and troubleshoot Cisco Catalyst 6500 Series Switches.

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Network & Perimeter Security Routing: R1-CORE and R2-CORE provide inter-VLAN routing, HSRP gateway redundancy, DHCP relay, ACL enforcement, and default routing toward pfSense Switching:

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VLAN on Firewall and VLAN on Switch

Vlans on firewalls (e.g. Sophos) and switches are conceptually the same, that is, they are logical entities tied to physical ports, for the purpose of network separation.

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Should I build a VLAN between firewall and core layer 3

This firewall hangs directly off of our core, layer 3 routing switch. (See Current Configuration image below.) My question is, should I build a layer 3 Vlan

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You can either use a separate connection for each VLAN between the central switch and the firewall - not really efficient -, or you can use a VLAN trunk to connect multiple, tagged VLANs

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Creating Virtual Networks (VLANs) - Ubiquiti Help Center

Advanced/Dynamic VLAN Assignments Dynamic VLAN assignments allow greater flexibility by using authentication mechanisms to assign VLANs based on user

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Routing on firewall or core switches? : r/networking

Configuration: Both of the firewalls should be in cluster (HA) Both ISP's should be in active-passive mode with dependency with the firewall cluster. Each device (server, printer, AP, laptop) should have

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Network Security Fundamentals in 2026: Protocols,

Network Security Fundamentals in 2026: a complete guide to protocols, firewalls, segmentation, VPNs, Zero Trust, detection, response, and ethical lab practice.

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Network reference patterns overview for Azure Local disaggregated

This article provides an overview of network reference patterns for disaggregated deployments of Azure Local. Use this guide to understand the leaf-spine fabric architecture, how

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Best Home Network Setup in 2026: Full Guide with Diagrams

Hardware: Router/Firewall: Ubiquiti UniFi Dream Machine Pro or pfSense box Core Switch: TP-Link TL-SG2428P (24-port PoE managed) APs: Ubiquiti UniFi U6 Pro x3 Sub-switches:

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Best place to configure VLANs: Core Switch vs Peplink 3?

In my infrastructure, I have a core switch and a Peplink 3 (router/firewall). Should the VLANs be created and configured on the core switch, or directly on the Peplink 3? Which approach

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Solved: New Core Switch

Hey There So we are runing a Old Cisco Nexus 5000K Switch stack, Checkpoint 15000 N5KSwitches N5KSwitches Checkpoint 15000 the 15000 is runing VSX Worked pretty good.

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Implementing Network and Client Isolation in UniFi

Implementing Network and Client Isolation in UniFi Once devices are assigned to VLANs, UniFi provides multiple tools to control and enforce separation across

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Configuring SPAN On Cisco Catalyst Switches

Cisco Catalyst 3550, 3560 and 3750 switches can support up to two SPAN sessions at a time and can monitor source ports as well as VLANs The

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Understanding Enterprise Network Infrastructure: From

A complete guide to enterprise network infrastructure--covering DMZ, firewalls, core networks, and hybrid cloud integration. Includes best

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OPNsense Home Lab Firewall Setup and Segmented Network

Built out my first OPNsense home lab firewall and segmented network this week. Current topology: Xfinity gateway -> OPNsense firewall -> TP-Link switch -> TP-Link AXE75 in

access point mode ->

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Should I build a VLAN between firewall and core layer 3

My question is, should I build a layer 3 Vlan between the core switch and our firewall? I know this will cut down any broadcasts to the firewall interface,

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When to Route on Core Switches vs Next-Gen Firewalls in Enterprise

Learn when to use core switch routing vs next-generation firewall routing in enterprise networks. Explore performance, security zones, VRF design, and hardware platform selection.

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Virtual Network (VLAN) Troubleshooting

UniFi makes it easy to create and manage virtual networks (VLANs), however certain misconfigurations may result in broken network connectivity. This article walks

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Understanding Trunk Ports in Large-Scale Networks

In environments with hundreds of endpoints, switches, APs, firewalls, and multiple VLANs, understanding trunk behavior becomes critical for: o Inter-VLAN communication o Switch-to-switch

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Gateways on Core Switch vs Firewall : r/networking

Gateways on Core Switch vs Firewall I'm struggling with some design options for a network redesign I'm planning at my company. The background: Today I'm running a

relatively simple network topology.

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Configuring the Core Switch

Configure interfaces for interconnecting the core switch with firewalls. # Create interconnection VLANs on the core switch and add interfaces to the interconnection VLANs.

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Solved: Connectivity from Core to Firewall

If the test vlan ony needs access to the Palo Alto firewall and nothing else then don't use an SVI on the core switch, simply extend the vlan to the

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10 Best WiFi Routers With VLAN Support That Network Pros Trust

You need a WiFi router that handles VLAN segmentation, manages multi-device networks, and supports VPN routing--but choosing the right model requires understanding key features like 802.1Q tagging,

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Cisco Catalyst 6500 Series Switches

The Cisco® Catalyst ® 9600 Series switch is Cisco's lead modular enterprise core switching platform and is part of the Catalyst 9000 family. Cisco

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Router vs Switch vs Firewall - Networking Guide

Switches maintain fast local traffic by learning MAC addresses and forwarding frames to the correct port, utilizing VLANs to segment groups.

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VLAN , FortiGate / FortiOS 7.6.4 , Fortinet Document Library

In NAT mode, the FortiGate unit supports VLAN trunk links with IEEE 802.1Q-compliant switches or routers. The trunk link transports VLAN-tagged packets between physical subnets or networks.

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