

# **Firewall placed on the core switch**





## Overview

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Placing firewalls at the core of your network ensures that even if a threat enters through the perimeter, it faces another layer of stringent checks. This central positioning benefits from deeper visibility into network traffic, allowing for more refined and granular security. How would you configure the connection between Core and Firewall?

Currently we have a transit network (VLAN 100, 192). For enterprise network architects and senior infrastructure engineers, determining where Layer 3 routing logic should reside—on the core switch or the Next-Generation Firewall (NGFW)—is a foundational design decision. With the Fortinet solution for integrated networking using FortiLink, the core layer always comprises a set of two to four FortiGate devices and two very high-speed FortiSwitch units, which support a large number of 100-GbE and/or 40-GbE ports with enough capacity to grow the links between them and. Routing on firewall or core switches?

Hello, In my assignment I have to design a network with following components: 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. This offers great low latency connectivity to resources at HQ, but with limited redundancy without adding additional service providers and implementing.



## Firewall placed on the core switch

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## Firewall Deployment: Edge vs. Core

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Deciding between edge and core firewall placement depends heavily on specific network characteristics and security requirements. To aid in this decision, here is a detailed comparison table highlighting

## Solved: Connectivity from Core to Firewall

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You want to simply extend L2 all the way from the access switch to the firewall so all ports need to be L2 until they get to the L3 interface on the



## What's the general purpose of having your core switch connect

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What's the general purpose of having your core switch connect to a firewall for internet AND directly to the internet on a different port on the same switch?

## Routing on firewall or core switches? : r/networking

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On Fortigate or core switches. In my research I'm getting mixed suggestions - Some say that core switches are for routing, when others say that core switches have to be as fast as possible and have

## Firewall on the same network of the Core switch and

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What disadvantage can you find in this design? For my opinion the firewall would be unnecessary traffic for example maybe broadcast traffic and stuff



## **What Is a Firewall? Definition and Types of Firewall**

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Learn what a firewall is, why it is important, how it works, and firewall best practices. Learn how a firewall can ensure the data is harmless and prevent data from being

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

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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.

## **Core layer , FortiSwitch 7.6.0 , Fortinet Document**

The FortiGate devices in the core layer can use FGCP in active-passive mode with two to four firewalls or in active-active mode for increased performance through HA load-balancing.

## **How to Configure OSPF Between Firewall and Core Switch**

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In this video, we configure OSPF routing between a Core Switch and a Firewall and perform complete failover testing to verify redundancy, dynamic route exchange, and high availability.

## **Internet Connection Termination: Core Switch vs Firewall**

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I recently had a spirited discussion with a colleague about the best practice for



terminating internet connections in a corporate network setup. My colleague argued that internet connections should not

## Gateways on Core Switch vs Firewall : r/networking

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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.

## Can I place a firewall behind the core switch with a public ip

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We have a branch location and all traffic (internet and internal) is back hauled over a layer 2 P2P to our colo. The colo has are main firewall handling internet egress and inter vlan traffic. I



## Switch versus firewall security

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The sensors are not able to keep up with all traffic on the LAN and so the suggestion is to move our core routing off of the firewall to the core switch, then capture only north/south traffic from

## Link between Firewall and Core Switches : r/networking

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Link between Firewall and Core Switches We will soon be deploying some core switches. When going upstream (towards outside) from the core L3 switches to a set of firewalls, I'm unsure if the the links

## Recommendation for a connection between Core Switch and Firewall

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Solved: Hello, I am asking myself what others recommend for the connection between core switch and Firewall. The setup is the following: Two Catalyst 9300 Core switches in stack.

## **What is the best practices for Users Getaway! Core Switch or Firewall**

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Dear Experts, I am wondering what is the best practices for the user getaway. is Core Switch preferred to be the getaway for all user after this the traffic go to the firewall Or the Firewall

## **What is a firewall?**

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A firewall is a network security device that monitors traffic to or from your network. It allows or blocks traffic based on a defined set of security rules.



## Where Does a Network Firewall Go? Network Perimeter

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The firewall remains an essential component of any network. In this guide, we'll go through various network topologies and where a firewall is placed in each.

## Core Switches: The Pillar of Network Infrastructure

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Get a closer look at core switches: the nerve centers of network infrastructure that enhance performance and facilitate growth.

## Allow routing via Internal firewall for Core switch

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Hi, we have below architecture in which routing between different firewall take place via Internal firewalls only. We have used the core switch only



## Should I build a VLAN between firewall and core layer 3

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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

## Can I place a firewall behind the core switch with a public ip

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I had a client with 3 locations and Comcast Metro E homerunning between the sites and their HQ, which had the firewall and separate fiber line for internet. The Metro-E was layer 2, so they



## Firewall on the same network of the Core switch and

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When a server wants to get to the Internet it will send its traffic to the core switch. The core switch will send icmp redirects to your servers telling them

## Network Setup for core and firewall

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Internet modem-----core switch-----firewall Scenario: Internet modem - send to core switch the internet core switch - NAT configuration, vlan configuration and DHCP connection ASA

## Recommendation for a connection between Core Switch and Firewall

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Would you connect the management interface of the firewall to an internal switch via patch cable in order to link the management interface to the management VLAN?



## Firewall at Edge vs Core : r/networking

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Obviously I would think having a firewall at the Core switch is ideal, however sometimes this may not be possible, (depending where the ISP connection is).

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