

# Connect the two IP segments using the core switch



## Overview

This guide explores three methods (Layer 3 devices/dual-NIC hosts/firewalls) to connect 192. 0/24 segments, with Huawei switch and Linux examples, addressing enterprise network isolation and cross-department access needs. In network communication, the interconnection between different network segments is crucial. As one of the core equipments in the network, if the switch can realize the interconnection between different network segments, it will certainly provide more convenient and efficient support for network. This client has the typical network architecture with a pair of 6500s acting as CORE switches and the rest of access switches directly connected to these devices - COLLAPSED DISTRIBUTION/CORE - END-to-END vlans. We are planning to introduce distribution switches to migrate the L2 boundary to those. We have two typical private network segments: · Network segmentA □ 192. A quick ping test shows that two LANs now talk to each other with no lag.

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Sure, you can use this VLAN that spans both core switches to also provide a transit path for core-to-core traffic, and in the basic approach, it would run just fine.



Layer 2 switches work at the data link layer and forward data frames based on MAC addresses, and they must use routers to realize the ...



In this article, we will examine how to create and configure a network with Cisco Packet Tracer and how PCs in two segments communicate.



Core switches facilitate the network's backbone, maximally performing and seamlessly communicating between several network segments with high-speed data transfer.



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With 8x100-GbE QSFP28 slots per FortiGate unit, it provides enough capacity to directly connect with 2x100-GbE ports to each of the two core FortiSwitch units at a nonstop forwarding capacity of up to ...



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To sum up, Layer 2 switches need to be paired with routers to realize the purpose of interconnection between different network segments, while Layer 3 switches do not need to build ...



There is a way to allow the communication between my workstation and my servers and the Internet. Actually there are a few ways to achieve this and I'm going to show you a few ways, even though ...



Access, aggregation, and core switches are deployed between the user and server. Access switches are layer 2 switches, and aggregation and core switches are Layer 3 switches. The user and server need ...



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