

# The core switch cannot connect to other VLANs after partitioning them



## Overview

The VLANs are not set up correctly on the switch. I was wondering if anyone had similar issues. I can ping from the host, through the router and back to the switch on the VLAN that connects the switches. New core switch VLANs not routing Hello all- I've inherited an HP Procurve infrastructure after years in a Cisco environment. This is very useful for managing traffic and keeping networks organized, but sometimes problems can happen. Verify that the VTP domains match and adjust if. Pinging between VLANs or capturing traffic between VLANs shows packet loss, even though the physical NICs (vmnics) are reported as being up (from the physical switch and the ESXi hosts). Common examples: An ESXi management vmkernel adapter (vmk) is unable to communicate over a specific VLAN. We assigned a static IP address (10. However, when checking the connected device on Port 24, it displays the configured IP but shows.



## Article Content

Hot

Fix VLAN Misconfiguration: Step-by-Step Guide

How to Fix VLAN Misconfiguration: Step-by-Step Guide to Correcting VLAN Settings  
Introduction VLAN (Virtual Local Area Network) misconfiguration can lead to

Apr 30, 2026 Hot

New core switch VLANs not routing | Comware

I cannot even ping the IPs yet, and I know that the gateway IPs for the other VLANs were ping-able before something was physically connected to them. I've tagged and untagged ports with these

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Troubleshooting VLAN Connectivity Issues

There can be a few different causes for VLAN connectivity issues: Incorrect configurations of the virtual portgroups and physical switch ports can cause connectivity issues between VLANs. Data path

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Segmenting a Network Using VLANs

Switches with VLAN capability can assign the tagged frames to specific VLANs and therefore set up logically separated networks based on a shared infrastructure.

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Troubleshooting VLAN Connectivity Issues

Pinging between VLANs or capturing traffic between VLANs shows packet loss, even though the physical NICs (vmnics) are reported as being up (from the physical switch and the ESXi hosts).

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Common Problems with Inter-VLAN Routing and How to

Troubleshoot common inter-VLAN routing problems with this guide. Learn to diagnose and fix issues like VLAN misconfigurations, trunk port errors,

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Can't Reach Remote Host From Other VLANs on Core Switch

However, I have other VLAN's, on this core switch, and they cannot ping the same remote host when sourcing from them. For instance, when I try ping 10.20.100.20 source 10.10.90.1), it fails.

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VLANs not connecting properly to switch/router

This means that one connection to the router will have multiple IP addresses representing the IP addresses in these subnets. The switch will not be doing any routing, it will

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Troubleshooting Common VLAN and SVI Configuration

One common issue is VLANs not propagating through the network as expected, often due to misconfiguration of VLAN Trunk Protocol (VTP) settings.

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HP Switch cannot pass traffic over new VLAN tagged port

My problem is that after I added the VLAN (VLAN ID 4) to the access switch and core switch, the traffic isn't going across the tagged ports from the

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VLAN Configuration and Connectivity Issue on Core Switch (MS 425-32)

Yes, the end server must support VLAN tagging if it is connected to a trunk port on the switch. Refer to the server's NIC documentation for specific configuration steps and troubleshooting tips.

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Troubleshooting VLAN and Switch Problems

Learn how to troubleshoot VLAN and switch problems in the first of this two-part series by Joe Rinehart. Video Tutorial.

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Solved: Too many VLANs in the switch

Hello friends. I have a Switch WS-C2950-24. It has 3 trunks links. I works with others switches and all have configured vtp mode transparent so I

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Impact of moving Spanning-tree Root Bridge for multiple

Unfortunately they did not fix the root bridges to the core switch (VSS pair). As we now have spanning tree root bridges spread all across our network

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How to perform VLAN troubleshooting

How to perform VLAN troubleshooting Common VLAN issues include physical connectivity problems, duplex mismatches, forwarding loops, unicast

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Using Trunking to Extend VLANs Across Multiple Switches

On a local switch, the port configuration determines which VLAN an endpoint belongs to when connected to that port. The VLAN assignment determines who that endpoint can communicate with

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Switches vlan not passing dhcp | NETGEAR Communities

The other access switches as I've name them are connected to the core switch. I've been trying to create VLANs that pass DHCP traffic to my APs for several SSIDs I have created

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I totally fucked up our network core switch and everything is ...

I totally fucked up our network core switch and everything is down right now I'm just an apprentice and I don't know what I've done wrong! We have a pair of Dell N3224P-ON switches and today's morning

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Common Causes of Slow IntraVLAN and InterVLAN

For cut-through L3 switches, watch for underruns and, when you see them, check all ingress ports for errors. Software or Hardware Misconfiguration

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Cisco Catalyst 1300 Administration Guide

In VLAN one-to-one mapping, C-VLANs are mapped to S-VLANs on an edge interface (an edge interface is an interface where a customer network connects to the provider edge switch),

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Configuring VLANs

Information About VLANs • If a switch has 8 trunk ports (200 active VLANs on each trunk) and 40 access ports, the number of STP virtual ports on this switch would be:  $8 * 200 + 40 = 1,640$  For

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A sysadmin's guide to troubleshooting VLANs

An ARP entry also isn't populating for the host that you're trying to ping, so there's likely some kind of layer two issue, such as a VLAN configuration

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Why Devices on Different VLANs but on the Same

A common confusion arises when devices are on different VLANs but share the same IP subnet: they can't communicate with each other. Learn why

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VLANs: Effective Network Segmentation for Security

VLANs are used to segment networks for increased security and performance. Learn what a VLAN is and how it works.

Apr 19, 2026

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