

Core switches cannot synchronize

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- * Compatible with LoRaWAN network,
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Article Overview

Core switch synchronization failures can stem from stack misconfigurations, incompatible hardware/software, or NTP and control-plane issues, and resolving them requires verifying connectivity, configuration, and compatibility.

Check Stack or Virtual Stack Configuration

If your core switches are intended to operate in a stacked or Virtual StackWise (SVL) configuration, ensure that:

- Both switches are compatible models and support the same stacking features (e.g., Cisco Catalyst 9500-40X may have limitations forming SVL without extended modules) .
- IOS versions and licenses match across the switches .
- Stack cables are properly connected and recognized; use show switch to verify that all switches and interfaces appear correctly. If one switch shows missing MAC addresses or interfaces, the stack may not have formed correctly .
- After configuration changes, reload both switches to allow the stack to negotiate and synchronize.

Verify NTP Synchronization

If the issue is time synchronization, the switch may fail to sync with an NTP server due to misconfiguration or polling delays:

- Remove and re-add the NTP peer to force immediate synchronization: no ntp serv...

Article Content

Core Switch not synchronizing with Windows NTP Server

Hi Guys, I'm using Cisco VSS Core Switch C6807-XL with Software Version 15.4 and i have few other edge switches,

Uplink configuration in the following scenario

This would then mean the interconnect between the core switches should go from blocking to forwarding. However you

NTP Sync for Windows Servers from Cisco Core Switch A and B

Hi, We want to sync NTP for windows server from core switch. We have core switch A and B and both are connected

AOS-CX 10.13 Virtual Switching Extension (VSX) Guide

VSX switches and software versions: Both VSX peer switches must use the same software version in most situations; however

Configuration in Core switch synchronization

Yes, certainly - you can make Core1 to be the HSRP Active for a set of VLANs, and the Core2 can be HSRP Active for

Solved: NTP Not Synching

Hello I've tried many different combinations and have not been able to get NTP to synch. My current configuration is

routing at the distributionCore switch

The network diagram is attached (Cores switches are 4506): My question is what is the best solution for users

Troubleshoot and Debug Network Time Protocol Issues

This document describes how to troubleshoot Network Time Protocol (NTP) issues with debug commands and the

Internet not reaching Core/Access Switch

Router has internet but Core Switch not picking, what i'm i missing? Router and Switch can ping each other Router

Troubleshoot Switch Port and Interface Problems

This document describes how to determine why a port or interface experiences problems.

NTP / Clock sync issue after reboot : r/Cisco

The switch does not have a hardware-supported clock and cannot function as an NTP master clock to which peers synchronize

Configuration Synchronization Operations

Configuration synchronization —Feature that uses a switch profile to synchronize consistent configurations between

Understanding Synchronization Issues in Multi-Threaded Systems

Synchronization is one of the most critical topics in multi-threaded programming, affecting the correctness and

A device can be pinged from core switch (router) but not the switch it ...

In a nut shell, why can I ping a device at a school on the core switch but not on the switch the device is plugged into

Core Switch Port Problem

Dear All, I have Core Switch 4506 and i have 2 vlan : vlan 2 : 192.168.1.2
255.255.255.0 vlan 10 : 192.168.10.2

Troubleshoot Network Time Protocol (NTP)

Background Information Network Time Protocol (NTP) is widely used in order to synchronize a computer to Internet

ntp on core and access

I have a case where core switches should learn time from an authoritative source/public time server but the access

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

We have a pair of Dell N3224P-ON switches and today's morning my colleague gave me a task and instructions to remove some

Core to access switch ping working and access to core is not pinging

Hi, we are facinf and issue with ping from access to core core management vlan 98
192.168.98.1 255.255.255.0 vlan

Access switches can ping endpoint, core cannot.

Hi Folks, Interesting issue I am troubleshooting. Back story: Layer 3 Core switch with single fiber trunk ports heading

Virtual Port Channels > Port Channels and vPCs | Cisco Press

The two vPC switches cannot synchronize the unicast MAC address and the IGMP groups and therefore cannot maintain the

How to Fix vCenter Cannot Synchronize Host Error

This article introduces the reason why VMware ESXi cannot synchronize host, and shows the steps to fix vCenter

Fixing problems with directory synchronization for Microsoft 365

Describes common causes of problems with directory synchronization in Office 365 and provides a few methods to

Cannot synchronize time with Cisco IOS router set as NTP master

Hi folks! Don't know if this is right section of NetPro forum to bring up my problem. I have 871 router configured as

Cisco Nexus 5000 Troubleshooting Guide

Troubleshooting Config-Sync Issues This chapter describes how to identify and resolve problems that can occur with

Unable to connect to Core Switch

Hello All, I have a problem with extending the LAN on a client site . They are looking to extend the LAN with a 2960S

How to resolve multi-core debugging configuration problems in ...

Optimize multi-core debugging in Lauterbach Trace32 with our guide tailored for firmware developers. Solve

Configuring NTP to Synchronize Time

Networking Requirements On the data center network, manually setting system time on all devices is time-consuming

Configuration Synchronization Operations

As a best practice, you should assign one switch as the initiator, make all configurations on that switch, and then

Fix NTP Issues: Step-by-Step Guide

Introduction Network Time Protocol (NTP) is critical for maintaining accurate time synchronization across network devices, ensuring

Configuration in Core switch synchronization

Hi Experts, I have two 4500 core switches. Core1 is working as primary. Hsrp is configured. Inter-vlan routing is

I can't ping to the switch before I ping the core!

I have an issue in another city watch is I can't ping to the switch it said "time out"
BUT I can ping the core and after I

Understanding Synchronization Issues in Multi-Threaded Systems

When multiple threads share data and execute on different cores, managing data consistency becomes a challenge.

ssh issue in core switch

Hi < Access Switch and Core switch configuration template is same except IP route configuration and both switches

Solved: Configure NTP on switch

Background: trying to configure NTP on a core switch. Edge ASA has NTP configured on it and it is working. Issue: I

Synchronize Operations Between CPU Cores

Discover effective methods to synchronize operations between CPU cores in the AURIX™ MCU, optimizing multi-core

Troubleshooting Cisco Catalyst 9000 Series Switches

Switch#show ip route Switch#show cdp neig Switch#debug ip packet 101 Note: Debugs/show commands shows IOSd's view of the

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.thebucketlistbook.co.za>

Email: sales@thebucketlistbook.co.za

Phone: +33 1 42 78 39 16

Address: 10 Rue de la Paix, 75002 Paris, France

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