

# Configuration of two core switches



## Article Overview

Two core switches can be configured as a high-availability pair using VSX or stacking, with LAGs for inter-switch links and VLANs for Layer 2/Layer 3 traffic.

### Step 1: Plan the Topology

Before configuration, determine the network topology:

- Decide whether to use VSX (Virtual Switching Extension) for independent control planes or stacking for a single logical switch.
- Identify primary and secondary roles if using VSX.
- Plan inter-switch links (ISL) using LAGs for redundancy.
- Define VLANs for access, transit, and routed traffic between the core switches and upstream networks .

### Step 2: Configure Management Interfaces

- Assign IP addresses to the management VLAN on each switch.
- Ensure connectivity between switches for keepalive messages (VSX) or stack communication.
- Example for Aruba VSX:
  - Switch 1: VLAN 3999, IP 172.16.10.10/24
  - Switch 2: VLAN 3999, IP 172.16.10.11/24 .

### Step 3: Configure Inter-Switch Links (LAG)...

## Article Content

Dec 17, 2025

Design recommendation for high availability

How are the Core switches working for redundancy? VRRP? I don't think you need to worry about how your Access

Oct 27, 2025

Two-Tier Core

Prepare switches for deployment in Aruba Central for building a Two-Tier Data Center. The L2 Two-Tier Data Center

Jul 20, 2026

Solved: how to connect two switches

I have to switches one in L3 and the other in L2. Several vlans on the network. Should I use a trunk connection between

Apr 16, 2026

VTP and HSRP config on two core switches

hello Experts, Please help me regarding VTP Server config on 3560E. I have configured multiple vlans on both the

Dec 10, 2025

Two-Tier Server Access

Prepare switches for deployment in Aruba Central for building a Two-Tier Data Center. The L2 Two-Tier Data Center

Mar 20, 2026

Core Switch vs. Distribution Switch vs. Access Switch

Comprehensive guide to Core, Distribution, and Access Switches. Roles in the network and important parameters explained.

Jun 18, 2026

Cisco core switches high availability

Hello everyone, In my campus network I have Cisco 2960x as access switches and one Cisco 3750 as core switch

Nov 10, 2025

## Solved: Stacking and Lag

Setting up an MLAG (Multi-Chassis Link Aggregation) between two Extreme XOS core switches involves several

Jan 12, 2026

## Configuring Multiple Switches

I am currently researching the best way to configure 4 switches. I am still learning the finer points of networking and

Mar 09, 2026

## Deploying MCLAG topologies | FortiSwitch 7.6.1

Use the following procedure to deploy tier-2 and tier-3 MCLAG peer groups from the FortiGate switch controller without the need for

May 07, 2026

## Linking of multiple Ethernet switches — cascading, stacking and ...

Therefore, the best way to connect multiple Ethernet switches depends on your specific network configuration and

Oct 22, 2025

## Connecting Two Network Switches Together

In this video we take a look at the different ways of connect 2 switches together. There

Jan 22, 2026

## How to Configure a Cisco Switch in 10 Steps

Learn how to Configure a Cisco Switch. Follow along this Step-by-Step guide that will get you using Commands via

Oct 22, 2025

## Internet connection to two core switches

Hi, I want to add some redundancy to my network by adding one more core switch. The problem is that I have only

Jan 26, 2026

## HSRP between 2 access switches and 2 core switches

Hi I am looking for running HSRP between 2 access switches and 2 core switches for client PC and Server network's

Apr 21, 2026

Recommendations: Dual Core Switch for redundancy.

Make sure you designate the primary root bridge and the secondary on your core switches and configure the

Mar 20, 2026

Stack or separate core switching (x690)

We're going to install two 48 port SFP+ switches at a co-location facility that will house all of our primary servers and

Jul 05, 2026

Solved: HSRP

The network is a classic two-tier design with one access switch on each floor of the building and two core switches

Dec 18, 2025

Dual Core Design

Its not just two core routers. it can be 2 core routers connecting to 2 core switches which are then interconnected with the layers

Oct 13, 2025

Two-tier and three-tier switch architectures

Two-tier and three-tier switch architectures When structuring the logical architecture of an enterprise network, decisive factors

Jan 11, 2026

Basic Cisco Switch Configuration Example in 10 Steps

Unlike other lower class switch vendors (which are plug-and-play), the Cisco switch needs some initial basic configuration in order to

Jun 01, 2026

8 Steps to configure your network switch

Learn how to setup a network switch with ease. Switches allow you to send and receive information efficiently and securely. Get

Sep 18, 2025

Connecting multiple cisco dwitches together

What is the best approach, protocol and configuration to use when connecting 3 nx 9000 cisco switches together as

May 01, 2026

How to configure a primary and secondary core switches in 6500

Core switch: 6500 Primary and Secondary:- This means tht when you have 2 core switches connected between each

May 10, 2026

Redundant Core switches and Single Router Design

Hello Everyone, I am working on one design and need support for connectivity between two core switches and router.

Feb 08, 2026

How to Configure a Cisco Switch (step by step)

If you're looking to configure a switch for the first time, this post is for you. Learn step-by-step configuration commands

Aug 09, 2025

Cisco Switch Layer2 Layer3 Design and Configuration

One simple and popular switch design scenario will be shown in the following tutorial. This scenario will fit most SMB networks (or

Jun 26, 2026

Connecting two core switches : r/networking

Both Office and Lab network have switches in spine (access layer) where servers or desktops are connected. As Edge core is

Jun 19, 2026

Core layer | FortiSwitch 7.6.0 | Fortinet Document Library

Without a set of core switches for n aggregation switches, the redundant links to fully provide a mesh between all aggregation

Jun 12, 2026

How to configure redundant core switch in collapsed core?

With a routed access design, you'd configure a default gateway per access switch then route the connections to both cores. The

## Contact Us

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

Website: <https://chromadecksigns-eastrand.co.za>

Email: [sales@chromadecksigns-eastrand.co.za](mailto:sales@chromadecksigns-eastrand.co.za)

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

This document is for informational purposes only. Specifications subject to change without notice.

