

# OSPF between two aggregation layer switches



## Overview

Virtual Switching Extension (VSX) and multichassis link aggregation groups (MC-LAGs) are used to allow dual connections between the access and aggregation layers without the need for STP on individual links. I have a situation where I have to set up OSPF, the two routers are separated by a L2 switch. One method of increasing availability between network infrastructure is to establish layer 2 redundancy using. To improve network availability, deploy two devices separately on the core layer, aggregation layer, and access layer. Two devices on each layer form an M-LAG system. · Device C and Device D form M-LAG. We have bought two new switches that will be used as the core in our network. My question is how to best set up the vlans between core and. Can traffic be routed directly without adding the end device's interface to a VLAN and if so how ?

So, you can do it 2 ways, one is to add the end device to a vlan, create an SVI for that vlan and then add the SVI to the OSPF and the 2nd way, you can simply connect the end device to say port 20 and. Originally published at: How to use Cisco Nexus OSPF over vPC Review | Indeni Cisco Nexus virtual Port Channel (vPC) is a virtualization technology launched in the mid of 2009. The majority of Cisco Nexus Series Switches (Nexus 9000, 7000, 5000 and 3000 Series) supports the Cisco Nexus virtual Port.

## Article Content

### OSPF Configuration Guide

OSPF for routed access OSPF for Routed Access refers to a network design in which OSPF is implemented at the access layer of a network using Layer 3 switches. In a routed access

Redundancy concepts for hierarchical switch networks

Redundancy and load balancing: Using their peer link, switches in the virtual VPC group constantly exchange important information about the network, including MAC tables. Each peer switch

Help with OSPF and VLANs on multi-layer switches

Hi all I've got a simple example of 2 routers and 2 Multi-layer switches in the set-up as shown in the attached image. I can set up OSPF fine between the 4 devices. My issue is with the two

IP Routing Configuration Guide, Cisco IOS XE 17.17.x (Catalyst 9500 ...

For information about this feature, see : NSF—OSPF (RFC 3623 OSPF Graceful Restart). The Network Advantage license also supports OSPF NSF-capable routing for IPv4 for

Configuring OSPF between two routers and two switches

Hi All (New guy) I have this topology SW1 ---- R1 -----R2-----SW2 R1 and R2 are in OSPF area 0 and all is good. SW1 and R1 are in OSPF area 10 and they can ping each other. SW2 and R2

EOS 4.36.0F

Deploying MLAG removes over-subscription by configuring an MLAG link between two aggregation switches to create a single logical switching instance that utilizes

Configuring OSPF between two routers and two switches

SW2 and R2 are in OSPF area 20 and they can ping each other. The question now is, if I want to connect an end device to SW1 (say interface 20) how do I get traffic from the end device

Routing & Switching Design | Validated Solution Guide

Virtual Switching Extension (VSX) and multichassis link aggregation groups (MC-LAGs) are used to allow dual connections between the access and aggregation layers without the need for

IP Routing Configuration Guide, Cisco IOS XE 17.15.x (Catalyst 9400 ...

Before you enable IPv6 OSPF on an interface, you must enable routing by using the ip routing command in global configuration mode, enable the forwarding of IPv6 packets by using the

### OSPF Configuration Example 2: Multi-Area Setup

Configuring OSPF with Multiple Areas : Earlier, we covered how to configure OSPF with two routers in the same area. In this guide, we'll walk through an example of

How to use Cisco Nexus OSFP over vPC Review: Cisco Nexus OSFP

This versatile modular switch is designed for high-density, end-of-row, and high-performance aggregation-layer deployments in both traditional and Cisco Application Centric

### PowerPoint Presentation

OSPF Two-Layer Area Hierarchy Multiarea OSPF is implemented in a two-layer area hierarchy. Backbone (Transit) area - An OSPF area whose primary function is the fast and efficient movement

How to use Cisco Nexus OSFP over vPC Review: Cisco Nexus OSFP

In brief, the vPC enables the deployment of a link aggregation from a downstream network device to two individual and independent Cisco NX-OS switches (vPC peers).

## Contact Us

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