

VPC access to 10 Gigabit switch



Overview

If the upstream Cisco Nexus® switches are configured for virtual PortChannel (vPC), then you can run the server adapter in this mode with links divided between two upstream Cisco Nexus switches. For a typical rack-mountable server, a typical configuration consists of the following ports: For Microsoft products, if you have Intel adapters, you can deploy Intel PROSet with Advanced Network Services (ANS). It contains the following sections: A virtual port channel (vPC) allows links that are physically connected to two different Cisco Nexus 5000 Series switches or Cisco Nexus 2000 Series Fabric. Port Channel technology allows multiple links between two participating devices to be used to forward traffic by using a load-balancing algorithm. This approach boosts redundancy, load balancing, and performance without relying on Spanning Tree Protocol.



Article Content

Using Enhanced vPC [Cisco Nexus 5000 Series

In an enhanced vPC topology, you can have only up to four 10-Gigabyte Ethernet links for FCoE traffic for

Understanding vPC – Network-Masters

vPC peer-link: The vPC peer-link carries essential vPC traffic between the vPC peer switches and is used to

Microsoft Word

vPC peer link: The vPC peer link is the link used to synchronize states between the vPC peer devices. The vPC peer link carries

WHAT IS A VPC AND HOW DOES IT FUNCTION?

You should have at least two 10 Gigabit Ethernet interfaces for peer links. • vPC domain: This domain includes both vPC peer

Virtual Port Channels > Port Channels and vPCs | Cisco Press

Port Channel technology allows multiple links between two participating devices to be used to forward traffic by using a load

Nexus vPC Configuration

Looking to learn how to configure a Virtual Port Channel on Nexus switches for the first time? This post shows you the

Design and Configuration Guide: Best Practices for Virtual Port ...

In double-sided vPC, two access switches are connected to two aggregation switches whereas in single-sided vPC, one access

Networking overview for VMs | Compute Engine

The VPC network forwards packets that are destined to a particular service to the corresponding VM. For more

Understand and Configure Nexus 9000 vPC with Best Practices

Introduction This document describes the best practices to use for virtual Port Channels (vPC) on Cisco Nexus 9000 (9k) Series

Describe vPC Control and Data Plane The vPC peers use the Cisco

The vPC peer switch option can be implemented, which allows the primary and secondary to generate BPDUs for vPCs

Configuring vPCs

The access switch traffic is split in two with half going to the first vPC peer and the other half to the second vPC peer. With the peer

10 Gigabit Ethernet Connectivity with Microsoft Windows Servers

If the upstream Cisco Nexus® switches are configured for virtual PortChannel (vPC), then you can run the server adapter in this

Virtual Port Channel (vPC) Cisco Tutorial

In this article, we'll explore what vPC is, why it's useful, and how to set it up on Cisco Nexus devices.

What is Cisco Virtual Port Channel (vPC) – Explained and Discussed

What is vPC? vPC is a technology that is specific to Cisco's Nexus (NX-OS) series of switches. It is a type of multi-chassis link

Virtual Port Channels

Any device that supports layer-2 port-channels can connect by a vPC. The device does not need to be vPC aware. Devices include

A Deep Dive into Virtual Private Cloud's Subnet Access Modes

When designing your private cloud environment, one of the most fundamental decisions revolves around network

VPC supported Access switches

Any switch which supports port-channels. As far as the access switch is concerned, the uplink is just another port

Virtual Port Channels (vPC)

A vPC connects a device to more than one switch. If one switch fails, your device is still available. See how these work, and how they

Connect to a VPC network | Virtual Private Cloud

We recommend using Direct VPC egress to send traffic to a VPC network—with no connector required. However, if

Connect your VPC to other networks

Connect your VPC to the internet, other VPCs, and on-premises networks using options like internet gateways, NAT gateways, VPC

Virtual Port Channels (vPC)

Virtual Port Channels (vPC) vPC's, or Virtual Port Channels, are a Cisco Nexus technology. They are used

Best Practice – Cisco Nexus VPC – Kerry Cordero

The vPC Peer-Switch feature builds upon the base vPC functionality that combines two switches into one logical device for purposes

Configuring Virtual Port Channels

To create a vPC peer link you configure an EtherChannel on one Cisco Nexus 5000 Series switch by using two or

Virtual Port Channels

This allows for many active uplinks from a device to a switch, or between two switches. This still has limitations, as the EtherChannel

Under the Hood of Virtual Port Channel (vPC)

Introduction As stated in the configuration guide, "A virtual port channel (vPC) allows links that are physically connected to two

How Amazon VPC works

You control how the instances that you launch into a VPC access resources outside the VPC. A default VPC includes an internet

Cisco Nexus 9000 Series NX-OS Interfaces Configuration Guide,

The access switch traffic is split in two with half going to the first vPC peer and the other half to the second vPC peer.

Contact Us

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