

# How to configure a switch for aggregation and uplink



## Article Overview

To configure a switch for aggregation and uplink, create a port aggregation group using LACP or static mode, ensure consistent port settings, and connect the aggregated ports to the upstream device or firewall.

### Step 1: Understand Port Aggregation

Port aggregation combines multiple physical ports into a single logical link to increase bandwidth, provide redundancy, and enable load balancing. There are two main types:

- Static (ON) aggregation: Ports are manually grouped without negotiation. Both ends must match settings.
- Dynamic aggregation (LACP): Uses the Link Aggregation Control Protocol (802.3ad) to automatically negotiate and maintain the link, providing failover and preventing misconfigurations .

### Step 2: Prepare Ports

Before creating an aggregation group:

- Ensure all ports have consistent configurations: speed, duplex (full duplex only), VLAN membership, STP settings, and link type (trunk, hybrid, or access) .
- Disconnect the ports from other devices during initial configuration to avoid confi...

## Article Content

### Switching

Static Link Aggregation Static Link Aggregation involves manually configuring two or more ports to operate as a single logical

Link Aggregation: What is it, and How Does it Work?

Link aggregation is a way of bundling a bunch of individual (Ethernet) links together so they

How to enable Link Aggregation (LAG) on UniFi Switches

In this article, we will take a look at when to use Link Aggregation and how to configure it on UniFi switches. Using

Link Aggregation and Load Balancing

Link Aggregation and Load Balancing Last updated Jun 16, 2026 Save as PDF Table of contents Link bonding Load

Stackable UniFi switches – benefits and setup | UniHosted

But you can chain switches in a smart, efficient way, and still gain flexibility, scale, and performance. In this guide, we'll walk through

How to Aggregate Ports on UniFi Switch

Configuring port aggregation on a UniFi switch is straightforward using the UniFi Network Controller (or UniFi OS

Link Aggregation and Multi-layer switches

Solved: 1. Use Packet Tracer to put up the topology above. Connect the two multi-layer switches (MLS) with a Gigabit

What is “link aggregation” and how does it benefit your network?

Using Link Aggregation it is simple to have these multiple Ethernet connections to act as one logical connection,

vSwitch Virtual Switch Link Aggregation (Teaming) Settings ...

Configuring a vSwitch through vCenter's UI is straightforward, but using the command line can be more flexible and

How to enable Link Aggregation (LAG) on UniFi Switches

Learn how to use Link Aggregation between UniFi switches or clients to increase bandwidth and redundancy.

The Ultimate Guide to Installing and Configuring the Ubiquiti UniFi ...

The Ubiquiti UniFi Switch Aggregation (USW-Aggregation) is a powerful, high-capacity switch, perfect for streamlining

## Aggregation Switch

An aggregation switch refers to a type of switch used to connect multiple ToR switches to a core switch/router in a cloud data center

## Understanding Switch Aggregation: A Comprehensive

Defining switch aggregation and its role in network architecture Switch aggregation, also

## Switch Ports

Configure the downlink device first, wait for the config to state up to date, before configuring the aggregation (uplink)

## Connecting multiple uplink ports between 2 switches

Switch Pro Aggregation from UniFi has 4 ports with 25G. if I have two same switches and I connect both of them with

Can I aggregate multiple uplink ports between Ethernet switches?

This switch has 48 SFP+ ports and 6 40-GbE uplink ports. Goal: To the greatest extent possible, I would like to provide 10-GbE line

## Port Aggregation FAQs

LACP (Link Aggregation Control Protocol): LACP is an industry-standard protocol (802.3ad) that dynamically manages link

What Are Link Aggregation, LAG, and LACP?

LACP (Dynamic Configuration) LACP, defined by IEEE 802.3ad, automates the configuration and maintenance of link

## How To Set Up NIC Teaming (Link Aggregation)

Unfortunately, most consumer-level switches and routers do not support link aggregation, so you'll have to link into

## How to set up switch Link Aggregation (LAG) - HeelpBook

Setting up a LAG on my two switches was a simple task. You have to connect Ethernet cables to ports 1 and 2 on

## Link Aggregation and Ethernet Bonding Feature Overview and ...

Introduction and overview This guide includes two sample configurations for Link Aggregation Control Protocol (LACP), or dynamic

How to configure Link Aggregation with NETGEAR switches by Derek ...

Using the Netgear switch web administration interface to perform link aggregation between two netgear switches by

Link Aggregation and Load Balancing

You may want to set up and configure a bonded link between your Meraki MS switch and a Cisco switch. This is often

Chapter18:Link Aggregation Configuration

Chapter 1 Configuring Port Aggregation This chapter describes how to set the port aggregation of the switch.

Enhance Your Network with a Link Aggregation Switch: Benefits ...

Discover the benefits, configuration, and best practices of using a link aggregation switch to enhance your network.

UniFi link aggregation: the ultimate guide | UniHosted

Need more bandwidth or failover on UniFi switches? What LACP link aggregation does, which devices support it, setup and

What Is Link Aggregation and Link Aggregation Switch?

How to Configure Link Aggregation on Network Switch? Here is a step-by-step guide for setting up link aggregation

## Contact Us

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