

# How to configure ACLs on an aggregation layer switch



## Overview

Configure the ACLs on the selected switches. Assign the ACLs to the interfaces you want to filter, using the ACL application (static port ACL, VACL, or RACL) appropriate for each assignment. Port ACLs support Standard IP ACLs, extended IP ACLs, and MAC extended ACLs. Port ACLs can be configured on an interface. ACL access control lists are indispensable for building a security-compliant network, but configuring ACLs on Layer 3 switches is not known to some of the primary network administrators who are new to the enterprise. Extended ACLs let you block specific traffic. In this video, I break down Extended Access Control Lists (ACLs) and show how to configure them step-by-step on a REAL Cisco Layer 3 switch using two VLANs and two PCs. In this tutorial we will examine two simple filtering examples: Traffic filtering on a Layer3 switch using classic ACL for traffic control between layer3. To create an ACL, one must define permissions (rules) on the router or Layer 3 switch that is close to the designated host or nearest to the source host, depending on the type of ACL being configured. There are various types of ACLs, including standard ACL, standard-numbered ACL, extended ACL, and. In this guide, we'll break down everything you need to know about Cisco ACLs: from the basics of standard and extended lists, to advanced configuration examples, to real-world troubleshooting tips that save hours of downtime.



## Article Content

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### General Steps for Planning and Configuring ACLs

Configure the ACLs on the selected switches. Assign the ACLs to the interfaces you want to filter, using the ACL application (static port ACL, VACL, or RACL) appropriate for each assignment.

Jul 18, 2026

### cisco:switch:configuring\_network\_security\_with\_acls [Antonio Perez]

This chapter describes how to configure network security on the Catalyst 2960 and 2960-S switches by using access control lists (ACLs), also referred to as access lists.

Feb 01, 2026

### How to Configure ACL On Layer 3 Switch in Packet Tracer

Access Control Lists (ACLs) play a pivotal role in network security, facilitating the management of traffic flow within a network. The configuration of ACLs allows for the specification of ...

Jul 21, 2026

### UniFi Switches and Access Control Lists (ACLs)

UniFi switches have Access Control Lists (ACLs), useful for isolating device traffic on the same VLAN. Networks with high-performance requirements can also use them to manage inter-VLAN routing, ...

Dec 23, 2025

### How to Set up Extended ACLs on a Cisco L3 Switch

In this video, I break down Extended Access Control Lists (ACLs) and show how to configure them step-by-step on a REAL Cisco Layer 3 switch using two VLANs and two PCs.

Jan 05, 2026

### ACLs Configuration Guide

Access control lists (ACLs) are sequential collections of permit and deny conditions that apply to packets. ACLs filter traffic as it passes through a device and permit or deny packets crossing ...

Oct 22, 2025

### Configuring Network Security with ACL On Cisco Layer 3 Switch

ACL access control lists are indispensable for building a security-compliant network, but configuring ACLs on Layer 3 switches is not known to some of the primary network administrators who are new ...

May 20, 2026

layer 3 acl configuration

However, if you enable ip routing on L3 switch, the switch act like a L3 device that forwarding packet. So to eliminate vlan communication, you should config ACL to allow communicate ...

Nov 19, 2025

Cisco Access Lists (ACLs) Explained: Configuration, Troubleshooting ...

Access Control Lists (ACLs) are one of the foundational tools in Cisco networking. They allow administrators to control traffic flow, filter packets, and improve network security. At the most basic ...

Sep 28, 2025

Traffic Filtering on Cisco Layer3 Switches using ACL and VACL

In this first simple ACL filtering example, the requirement is to block telnet traffic from Host1 to Host2. To achieve this, we will use an extended ACL applied inbound on one of the Switch ...

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

Website: <https://ntmmgroup.co.za>

Email: [sales@ntmmgroup.co.za](mailto:sales@ntmmgroup.co.za)

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town, 7441, South Africa

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