

Packet capture of all data from the core switch



Overview

This tool helps network administrators capture packets entering and leaving Cisco devices. EPC can be used with Access Control Lists (ACLs) to filter specific packets based on predefined rules. The captured packets are stored in the device's DRAM buffer, meaning they are not. Packet capture is supported on the Cisco Catalyst 9300 Series Switches. The following sections provide information about the prerequisites for configuring packet capture. You can enable on-demand PCAP on switches that have CloudX running. For the. A SPAN session (also known as port mirroring or monitoring) is an association of source ports/VLANs to one or more destination ports. remote-span ! remote-span ! Router-1. Setting up packet captures on Cisco devices, such as routers and switches, is a fundamental skill that aids in diagnosing network issues and strengthening security measures.



Article Content

Apr 17, 2026

Cisco IOS-XE Built-in Packet Capture

The Embedded Packet Capture feature was introduced in IOS-XE 15.2 (4)S. This enables us to easily take captures directly from the switch and export

Jun 07, 2026

Configuring Packet Capture

Packet data capture is the capture of data packets that are then stored in a buffer. You can define packet data captures by providing unique names and parameters.

May 11, 2026

Software Configuration Guide, Cisco IOS XE Denali 16.3.x (Catalyst

Embedded Packet Capture is supported only on switches running Lan Base image. The Embedded Packet Capture (EPC) software subsystem consumes CPU and memory resources

Jan 19, 2026

Packet Capture and Analysis

Packet capture and analysis through Wireshark can be done on all popular operating systems including mobile devices. But the approach may vary a bit. This is an important chapter that focuses on deep

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Configuring Packet Capture

This feature allows network administrators to capture data packets flowing through, to, and from a Cisco device. The network administrator may define the capture buffer size and type (circular, or linear) and

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Prerequisites for Configuring Wireshark Prerequisites for Configuring Embedded Packet Capture Prerequisites for Configuring Wireshark Wireshark is supported only on switches running

Jul 26, 2025

Network Management Configuration Guide, Cisco IOS XE 17.18.x

The packet capture facility allows network administrators to capture the packets flowing to, through, and from the device, for further analysis.

Jun 23, 2026

Best way to capture packets on the switch

Dears, what is the best way (commands) to capture packets from the interface and extract it to wireshark

Apr 12, 2026

Network Management Configuration Guide, Cisco IOS XE Gibraltar

Prerequisites for Configuring Embedded Packet Capture The Embedded Packet Capture (EPC) software subsystem consumes CPU and memory resources during its operation. You must have adequate

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Software Configuration Guide, Cisco IOS XE Denali 16.3.x (Catalyst

If no display filters are specified, packets are not displayed live, and all the packets captured by the core system filter are displayed. The default display mode is brief.

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Packet capture core switches

what commands do we use to capture packets on C9300-48U switches ? I am trying to look into some packet losses occurring in our call centers. I am trying to do packet captures on the

Aug 12, 2025

A Complete Guide to Network Packet Capture

Learn how to capture network packets step by step. Compare TAPs vs SPAN ports, configure capture tools, filter traffic, and build reliable capture infrastructure.

Mar 27, 2026

ITPro Today, Network Computing, IoT World Today combine

ITPro Today, Network Computing and IoT World Today have combined with TechTarget . The page you are looking for may no longer exist.

Oct 22, 2025

How to capture packet on a cisco switch - Swain''s Blog

This tool helps network administrators capture packets entering and leaving Cisco devices. EPC can be used with Access Control Lists (ACLs) to filter

Jan 28, 2026

Step-by-Step: How to Perform Packet Capture on Cisco

When the packet capture process begins, the sniffer captures data packets as they transit over the network and stores those copies for examination.

May 30, 2026

Network Packet Capture explained

Conclusion Packet capture is a powerful tool for keeping networks safe, secure and running at their best. Teams that integrate continuous packet capture into their

Jun 06, 2026

Overview of Packet Capturing Tools in Cisco Switches and Routers

Overview of Packet Capturing Tools in Cisco Switches and Routers Nick Oliver, Technical Leader

Apr 25, 2026

Configuring Packet Capture

About Embedded Packet Capture EPC provides an embedded systems management facility that helps in tracing and troubleshooting packets. This feature allows network administrators to capture data

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CaptureSetup/Ethernet

CaptureSetup/Ethernet Ethernet capture setup This page will explain points to think about when capturing packets from Ethernet networks. If you are only trying to capture network traffic between

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Enable Packet Capture on a Switch | Mist | Juniper

The packet capture tool captures real-time data packets traveling over the network for monitoring and logging. You can enable on-demand PCAP on switches that

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Configuring Packet Capture

The Packet Capture feature is an onboard packet capture facility that allows network administrators to capture packets flowing to, through, and from the device.

Sep 24, 2025

Step-by-Step: How to Perform Packet Capture on Cisco

□Cisco Catalyst 9K Packet Captures□□ When the packet capture process begins, the sniffer captures data packets as they transit over the network

Nov 20, 2025

Cisco Switch Packet Capture: A Comprehensive Guide | NSC

One might think that packet capturing involves complex tools, but, thankfully, Cisco switches offer integrated features that make this task straightforward. The primary tool used in Cisco

Mar 27, 2026

Configure and Capture Embedded Packet on Software

This document describes the Embedded Packet Capture (EPC) feature in Cisco IOS® software.

Jun 05, 2026

Network Management Configuration Guide, Cisco IOS XE 17.17.x

Packet capture is supported on the Cisco Catalyst 9200 Series Switches. The following section provides information about the prerequisites for configuring packet capture.

Feb 01, 2026

How to Set Up Cisco Packet Capture: A Step-by-Step Tutorial

Setting up packet captures on Cisco devices, such as routers and switches, is a fundamental skill that aids in diagnosing network issues and strengthening security measures. This

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