

Core switches sometimes have high latency



Overview

When the volume of data traffic exceeds the switch's processing capacity, it can result in congestion, packet loss, and increased latency, ultimately causing disruptions in connectivity. We have a small server room with two core switches that have fiber links to our access switches in our different departments and Ethernet links to a few other switches and devices in the server room. Recently, we've had some complaints about slowness accessing some resources in our virtualized. Recently, we encountered a case involving a Cisco C9500 core switch experiencing high latency affecting internal servers communicating with external destinations. The initial symptoms pointed towards a classic network bottleneck, but the root cause turned out to be a less obvious configuration. Latency is the delay between a data packet leaving its source and reaching its destination, and it is a fundamental measure of network responsiveness. Ethernet switch. Intermittent latency with high ping, pings on my machine are all over the place ranging from 5ms to 300ms (Reported by end users as slowness when accessing websites) Speedtest on the machines isn't great and shows download latency go over 3000ms (overall speed is good but high ping latency). High latency to gateway and ISP when

multiple switches are connected – possible pfSense overload?

I've been troubleshooting a pfSense issue for about two weeks and I'm running out of ideas, so I'd really appreciate some guidance. You may also want to know:.

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Uncover the critical technical mechanisms and hardware decisions that determine Ethernet switch latency, impacting everything from trading to gaming.



I was fighting a packet loss issue on the lan side of an MX Tuesday night. Ended up changing a lot of cables and setting rtsp priority on the core switch just this side of the MX.



Learn what causes high latency and how it impacts performance. Explore 10 common culprits and ways to keep your network running smoothly.



This has caused me to take a good look at our network and I've discovered some latency in places that I've never seen it before. For instance, when pinging from a few different endpoints to ...



Would moving inter-VLAN routing to an L3 core switch significantly reduce this type of latency? Are there known tuning options (sysctls, offloading settings, limits per host) that could help ...



To troubleshoot a network experiencing high latency, you'll need to systematically identify bottlenecks, starting with basic connectivity tests and progressively investigating network devices, ...



Unpatch chunks of your network in turn, until the high latency stops. A healthy wired network shouldn't see more than a few ms at a time on ping responses. Maybe strip it down to just ...



Experiencing frequent network connection drops with a network switch? Discover the reasons behind this issue and learn how to troubleshoot it effectively.



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This article has hopefully helped answer the questions of what is network latency in Ethernet switches and how to deal with minimizing network latency. Network latency is not eliminated ...

Contact Us

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