

Is a core switch utilization rate of 70 normal



Overview

High CPU percentages (above 70%) on the five-second snapshot suggest a potentially overloaded switch. If specific processes dominate CPU usage, such as kernel tasks or management processes, targeted troubleshooting can be performed. just from opinion over the years you don't want anything running constantly over 70% I would consider it running hot, generally most devices run low anything up to 30% depending what there doing but if you have all features enabled all ports running device fully populated you can see them run. A normal threshold for CPU utilization on a Cisco switch is typically below 60-70% during peak usage. High CPU utilization can arise from a variety of issues, including: Network. The following table provides an overview of different ranges of CPU utilization, and their respective level of normality: Temporary high CPU utilization can be considered normal during topology changes, reconvergence, or other intensive, but short, activities. Such high usage is normally just. For Catalyst switches: Up to 8-13% is normal for net of >50 switches (3750 L3-mode, 3500, 2960, 2950) in work time with redundancy trunks, working "spanning-tree mode rapid-pvst", syslog logging and SNMP polling. Memory utilization up to 70-80%. For Cisco routers 800-3800 series CPU load up to. I see in my controller that the memory utilization for my switch is always around 60% and system load above 25% and shown as yellow. Is that normal?

It is indeed normal. Depending on the model and the type being used this can range from 5 to 40% If the switch is stacked then, at a minimum, the CPU will operate normally a few percent higher.

Article Content

Oct 03, 2025

CPU and CPU Usage Working Mechanism

CPU and CPU Usage Overview CPU - The Core of a Switch A switch uses the distributed architecture, including forwarding and control planes. The forwarding plane implements Layer 2 and Layer 3

Aug 21, 2025

HP Switch Port-Utilization

What do the "Util" columns mean under command "show interface port-util" I understand they are percentages, but what and how do I use them to

May 02, 2026

Cisco Switch CPU Usage Command

Cisco switches typically operate in a range of CPU utilization percentages. A CPU usage level of 50% may be acceptable under a heavy load; conversely, CPU usage consistently exceeding

May 31, 2026

Troubleshooting High CPU Utilization On Cisco Switches

A normal threshold for CPU utilization on a Cisco switch is typically below 60-70% during peak usage. If the CPU consistently exceeds this threshold, you may need to investigate the root

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What Is Network Utilization & How to Monitor It

Predictive analytics play a key role in strategic network management and capacity planning. What is a good network utilization rate? A good network utilization rate

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How to know the interface utilization on a Cisco switch?

I would like to confirm. Is the above below information in bold sufficient to know the utilization of my interface in percentage? Switch#sho int

Nov 08, 2025

How to Calculate CPU Utilization

When monitoring your system's CPU utilization, you should aim for an average utilization of around 70% or lower. Any higher than this may indicate

Sep 05, 2025

Troubleshooting High CPU Utilization

While the switch might appear to operate fine at this CPU utilization level, when the switch CPU sustains a 50 percent utilization, its ability to react to

Dec 16, 2025

Switch memory utilization is always around 60% and system load is at ...

It is indeed normal. Managed network devices are never truly idle, and unused memory is wasted memory, so you are going to see resource utilization even with nothing connected.

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Recommended maximum ethernet link utilization

Solved: Hi, For WAN links the recommended maximum utilization should not exceed 70%, but what about ethernet links or etherchannels? what percent of an ethernet link bandwidth

Mar 12, 2026

Check CPU Usage Cisco Switch? Why Is Your Network Crawling?

Checking CPU usage on Cisco switches isn't just another admin chore; it's your early-warning radar for operational breakdowns. When utilization spikes, it's not "just buffering." It's Layer 7 storms brewing,

Apr 28, 2026

Troubleshooting High CPU Utilization On Cisco Switches

Troubleshooting High CPU Utilization on Cisco Switches High CPU utilization on Cisco switches can lead to degraded network performance, packet loss, and even switch failures.

Dec 13, 2025

How to solve the problem of high CPU utilization on the switch?

High CPU utilization on a switch can severely affect its performance and may lead to network disruptions or slow responses. Identifying the root cause and resolving high CPU usage is

Nov 20, 2025

Switch memory utilization is always around 60% and system load is at ...

I see in my controller that the memory utilization for my switch is always around 60% and system load above 25% and shown as yellow. It is still not taking the full load yet, connected to 2

Jul 03, 2025

Network Utilization: Analyze Traffic And Improve Performance

Discover how to measure and improve network performance by understanding network utilization and optimizing your network capacity effectively.

Feb 17, 2026

Cisco switch CPU Utilization

Minor variations are normal and to be expected. My core switches run at less than 10% but my infrastructure is not supporting a full data centre yet. My last job they averaged under 30%

Sep 10, 2025

Normal values for CPU utilization

I have been searching Cisco wite and through Google about what can be considered normal CPU utilization values. I ahve found a lot of documents for TROUBLESHOOTING HIGH CPU

Sep 02, 2025

CPU utilization: When to start getting worried

Thus, a CPU that got a 30% utilization spends more than twice that amount of time (70%) doing absolutely no work. Suppose you spent 70% of your time in the "idle loop."

Apr 11, 2026

Core switch High CPU utilization

Hi Experts, I have a 4500switch in my office. Recently i found that its cou utilization is very high. Around 95%. Using sh process cpu i got the followings 55 22736117003146998125 722 47.88%

Sep 06, 2025

Command to Check CPU Utilization in Cisco Switch

Quick Answer: To check CPU utilization on a Cisco switch, use the command "show processes cpu" in the CLI. This displays current CPU load, CPU usage history, and process-specific

Nov 24, 2025

Troubleshooting High CPU Utilization

Temporary high CPU utilization can be considered normal during topology changes, reconvergence, or other intensive, but short, activities. Such high usage is normally just temporary.

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Command to Check CPU Utilization in Cisco Switch

High CPU percentages (above 70%) on the five-second snapshot suggest a potentially overloaded switch. If specific processes dominate CPU usage, such as kernel tasks or management

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Command To Check CPU Utilization In Cisco Switch

Command to Check CPU Utilization in Cisco Switch Understanding CPU utilization is critical for network administrators and engineers who manage Cisco switches. CPU utilization refers

Jul 19, 2025

10 Ways to improve network utilization and monitoring

Boost network utilization for faster, reliable performance. Get 10 tips on tracking key KPIs, tools, and challenges to improve and monitor your network

Dec 09, 2025

M4300 CPU and memory utilization | NETGEAR Communities

As per the higher tier of NETGEAR Support: For Memory, after booting, the switch allocates between 70% and 90% of total system memory up front, but this memory is not actually

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How to Calculate CPU Utilization

$40 / 8 * 100 = 500\%$ If Your Server's Utilization Is Too High If your server's overall CPU utilization rate is too high — above 70% — then there could

Jan 22, 2026

Capacity Planning: Understanding the 80% Server

Why there is a recommendation of keeping server utilization below 80%? Using basic queueing theory, we explore how request latency grows

Sep 03, 2025

SWITCH CPU 100% UTILIZATION CAUSES AND FIXES

In this video, we break down the real causes of switch CPU 100% utilization, including broadcast storms, STP loops, excessive control plane traffic, misconfiguration, and improper network ...

Contact Us

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