

What to do if the temperature of the telecommunications server chassis is too high



Article Overview

If your telecom server chassis temperature is too high, immediate action is required to prevent hardware damage, including checking environmental conditions, inspecting cooling systems, and implementing thermal management solutions.

Immediate Steps

- Check for Alerts and Warnings High-temperature warnings often precede automatic shutdowns. Messages like "CHASSIS_OVER_TEMPERATURE_SHUTDOWN" indicate that the system is approaching critical limits and may shut down within minutes if not addressed .
- Inspect Hardware Components
 - Verify that all fans are operational and not obstructed.
 - Check for malfunctioning temperature sensors or faulty hardware that could cause false readings .
 - Ensure that airflow is not blocked by cables or dust accumulation .
- Assess Ambient Conditions
 - Ensure the server room or cabinet is within recommended temperature ranges. For most enterprise servers, ambient temperatures should be below 77°F (25°C), with inlet temperatures between 64-81°F (18-27°C), .
 - Maintain relative humidity between 20-80% to prevent condensation or static discharge

Article Content

Why Data Center Temperature Monitoring Is Critical for Uptime

Learn why data center temperature monitoring is essential to prevent overheating, outages, and hardware failure with

Chassis-Related Faults

If the fault reports a "Thermal Sensor threshold crossing in the front or back pane" error for the server, check whether thermal faults

THERMAL MANAGEMENT OF TELECOM ENCLOSURES

The heat load of modern telecom cabinets is often high, and it's usually necessary to install enclosure cooling equipment to maintain

What Temperature Should Your Data Center Be?

Optimize your data center temperature with ASHRAE guidelines, temperature sensors, and environmental

Telecom Cabinet Heat Management: Best Cooling Solutions

Without effective heat control, devices like servers, routers, and power supplies can overheat, leading to system

What is the Proper Temperature for a Data Center?

Take a look at some of the problems data centers face when temperatures rise too high, and

Server Room Temperature: Guide to Important Ranges

Server room temperature can drastically affect your equipment's performance. Read on to

Cisco UCS Integrated Management Controller Faults Reference Guide

Recommended Action If you see this fault, take the following actions: Review the Cisco UCS Site Preparation Guide

Top 5 tips to maintain optimal temperature for servers and PCs – Tech ...

Maintaining the ideal temperature for your servers and PCs is crucial for preventing overheating and potential hardware failures. This

An Updated Look at Data Center Temperature and Humidity

The higher the temperatures, the more risk of server failure and data loss, and the more important to have proactive monitoring

Avoid server overheating with ASHRAE data center guidelines

Finding the right operating temperature is a key component to avoid server overheating. ASHRAE data center

What's the highest server temperature you can handle?

Data centers as a whole are warming up, but the optimal server temperature depends on server design, age,

Understanding the Ideal Temperature Range for Server Room

Server rooms are the nerve centers of modern businesses, housing critical infrastructure and electronic equipment.

Chassis over temperature shutdown on XXXX

Make sure that the system has proper ventilation. Power-cycle the system and run diagnostics on the system. SNMP trap ID #371:

Data Center Cooling Best Practices | Optimize Cooling

Cooling an entire room wastes unnecessary energy cooling parts of the room that do not need it, and it also

Recommended standards for monitoring server rooms

Background Info: Ambient server room monitoring or data center monitoring is the environmental

What Temperature Should A Server Rack Be

Find out the ideal temperature for your server rack to ensure optimal performance and prevent overheating. Keep

Is it hot enough for you yet? – Bryan Ward

Since the alarm limits do vary by platform (and possibly by HW revision or FW version), I suggest you set your NMS to

How to Ensure Optimal Temperature for Outdoor Telecom Cabinets

Maintain optimal cabinet telecom temperature to protect equipment from extreme conditions, ensuring reliability,

Server cabinet temperature: Protect your IT infrastructure –

Controlling the temperature in server cabinets is crucial for the reliability and longevity of your IT infrastructure. High

Applications and Analysis of Different Cooling Methods for Telecom

High temperatures can severely damage electronic components, leading to erroneous readings or even fried circuit

Data Center Temperature & Humidity Best Practices: A Complete

Instead, data center temperature and humidity best practices recommend installing multiple sensors in each cabinet. You need to

Server Overheating & How to Prevent It | Servers 101 – ServerMonkey

In this updated 2026 guide, we walk you through what happens when servers overheat and offer proven prevention strategies.

Keeping Data Centers Cool: Best Practices to Avoid Overheating and ...

Data centers are vital to business operations, requiring precise temperature and humidity control to ensure optimal

CHASSIS OVER TEMPERATURE SHUTDOWN

The above message appears when the chassis temperature is too hot. The message appears just before system

Solved: Cisco Recommended Operating Temperatures | Experts

Cisco Recommended Operating Temperatures Does anyone know if there is a document that lists the

Best Practices for Server Room Cooling and Ventilation

Discover easy ways to cool and ventilate your server room. Avoid downtime, save money, and protect your equipment

What temperature do you keep your server room at?

What temperature do you keep your server room at? However, what I think is an even more interesting conversation

What is the Correct Temperature for a Server Room?

Maintaining the correct temperature is key to keeping your server room running. Our climate control experts answer

Contact Us

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