

知 The server cannot recognize all hardware after replacing the motherboard

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Network Topology

irrelevant

Problem Description

Unable to detect all hardware after network card replacement

The screenshot displays the H3C HDM 1.30.19 web interface. The 'Hardware Summary' tab is active, and the 'Memory' sub-tab is selected. The interface shows a memory layout diagram with two channels (Channel 1 and Channel 2) and 12 memory slots (A1-A12). A processor (P1) is shown in the center. The 'Memory summary' panel on the right indicates: Processor: Processor1, Memory slots: 12, Total memory size: 16 GB, Frequency: 2666 MHz, Voltage: 1.2 V. Below this, a 'Memory details' table lists the installed memory module.

Processor	Channel	Slot	Status	Size	Max frequency	Generation	Rank	Type	Serial number	Part number	Vendor	Authenticity	ECC
Processor1	1	A1	Normal	16384	2666 MHz	DDR4	2R	RDIMM	41658D54	M393A2K43B1-CTD	Samsung	Normal	Supported

Process analysis

Since HDM and BIOS are the firmware of the new motherboard after the replacement of the motherboard, part of the hardware information may not be detected if it is directly turned on and started

Solution

Cold restart, cold restart will re-trigger the BIOS detection hardware, The problem was resolved after a cold restart, all hardware successfully detected.

Cold restart: the server shut down, power down, wait for 30s, and then repower, boot, so that BIOS to re-detect all hardware.

