Smarter technology for all

Servicing the ThinkSystem SD650 V3, SD650-N V3, SD650-I V3, and DW612S enclosure

ES72323B

May 2024

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Prerequisites

- ES42373B - Intel Xeon processor architecture for ThinkSystem V3 servers
  https://lenovoedu.lenovo.com/course/view.php?idnumber=ES42373B
- ES51757B – Introducing ThinkSystem tools
  https://lenovoedu.lenovo.com/course/view.php?idnumber=ES51757B
- ES52374 – ThinkSystem tools for the ThinkSystem V3 platform
  https://lenovoedu.lenovo.com/course/view.php?idnumber=ES52374
- ES41759C – Introducing ThinkSystem problem determination
  https://lenovoedu.lenovo.com/course/view.php?idnumber=ES41759C

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Objectives

After completing the course, you will be able to:

- Describe the features and specifications of the ThinkSystem SD650 V3 server, SD650-I V3 GPU node tray, SD650-N V3 node tray, and DW612S enclosure
- Identify the ThinkSystem SD650 V3 server, SD650-I V3 GPU node tray, SD650-N V3 node tray, and DW612S enclosure unit and components
- Describe the features and functions of SMM2
- Describe the specific problem determination steps and explain how to troubleshoot issues with the SD650 V3 server, SD650-I V3 GPU node tray, SD650-N V3 node tray, and DW612S enclosure unit

What's new

What's new in the May 2024 update

This update includes additional information about the new SD650-N V3 node tray and replacement procedures for putty pads and the Intel GPU OAM and GPU carrier base board (CBB)

- The new SD650-N V3 node tray supports two Intel CPUs and four NVIDIA H100 SXM5 GPUs.
- Check the expiry date of new putty pads before you use them in a system.
- After replacing an Intel GPU OAM, servicers must update the Intel AMC and IFWI firmware packages.
- When replacing a system board, use IPMI commands to check that the GPU OAM power capping setting matches the customer environment setting.
- When replacing a GPU carrier base board (CBB), servicers must update the CBB retimer firmware and system board XCC firmware.

For more information, refer to the Hardware replacement tips and SD650-N V3 overview sections in this course.

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