

Smarter technology for all

Servicing the ThinkSystem HS350X V3

ES72482

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Lenovo

Prerequisites

Although there are no specific prerequisites for this course, you should have some knowledge of high performance computing (HPC) systems, be familiar with the general administration of a network cluster, and have problem determination and troubleshooting skills.

Objectives

After completing the course, you will be able to:

- Describe the ThinkSystem HS350X V3 and its components
- List the HS350X V3 specifications
- Describe the HS350X V3 configurations and block diagrams
- Describe the HS350X V3 management tools
- Describe the problem determination steps and explain how to troubleshoot issues with the HS350X V3

Product overview

Product description and front, rear, and inside views

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Product overview

The ThinkSystem HS350X V3 is a 2U, one-socket rack system that features an Intel Xeon Scalable processor (code names: Sapphire Rapids , Emerald Rapids). The HS350X V3 supports 24 3.5-inch drives in the three front drive trays and two 2.5-inch drives at the rear.

Unlike other ThinkSystem V3 servers, the HS350X V3 does not support XClarity series management tools. Instead, it supports its own BMC web GUI and CLI tools.

There are two HS350X V3 machine types:

- 7DE3: for general purpose (GP) customers
- 7DBM: for cloud service provider (CSP) customers



Front view

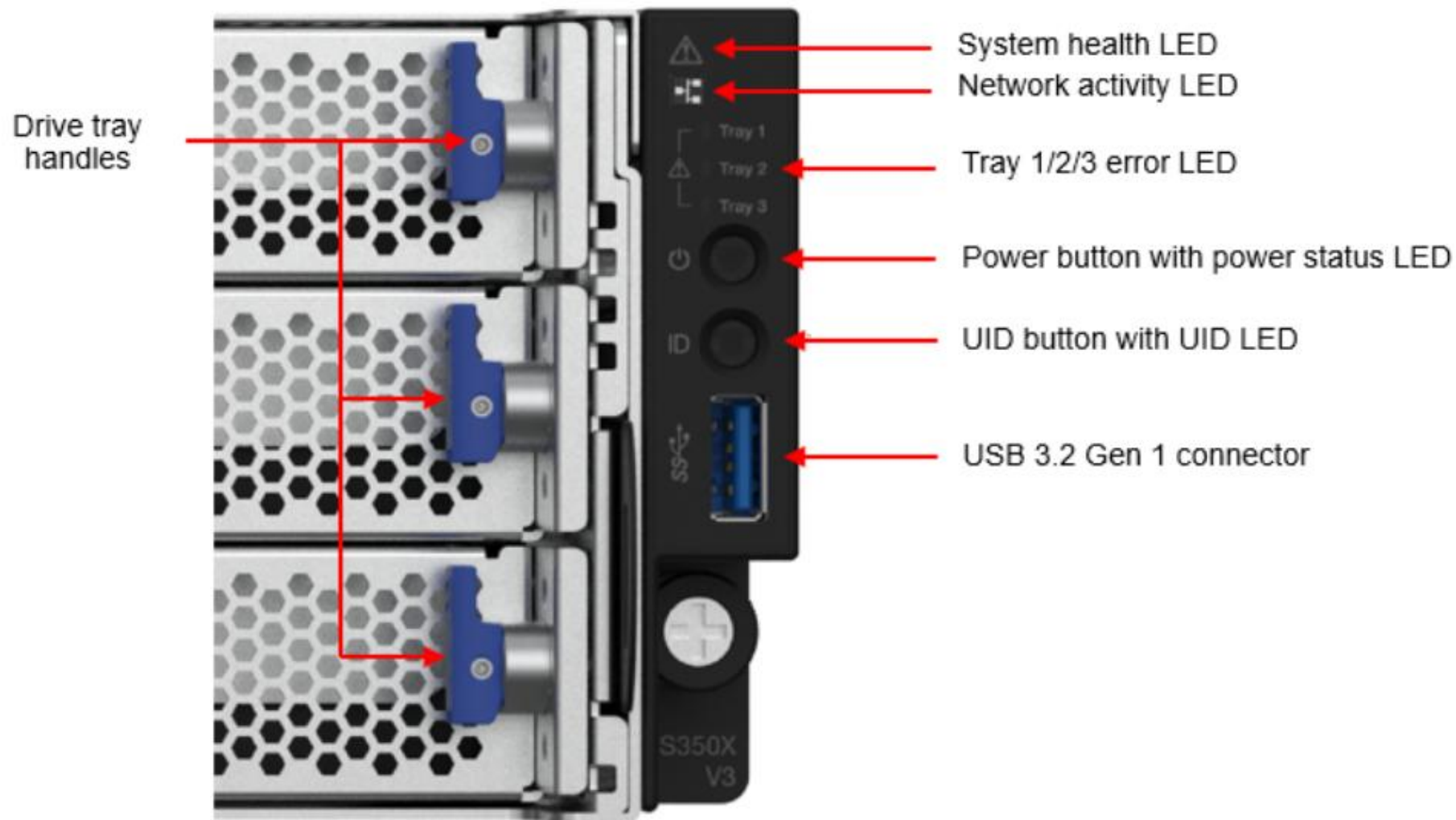


Click the buttons to see more information about the front of the HS350X V3.

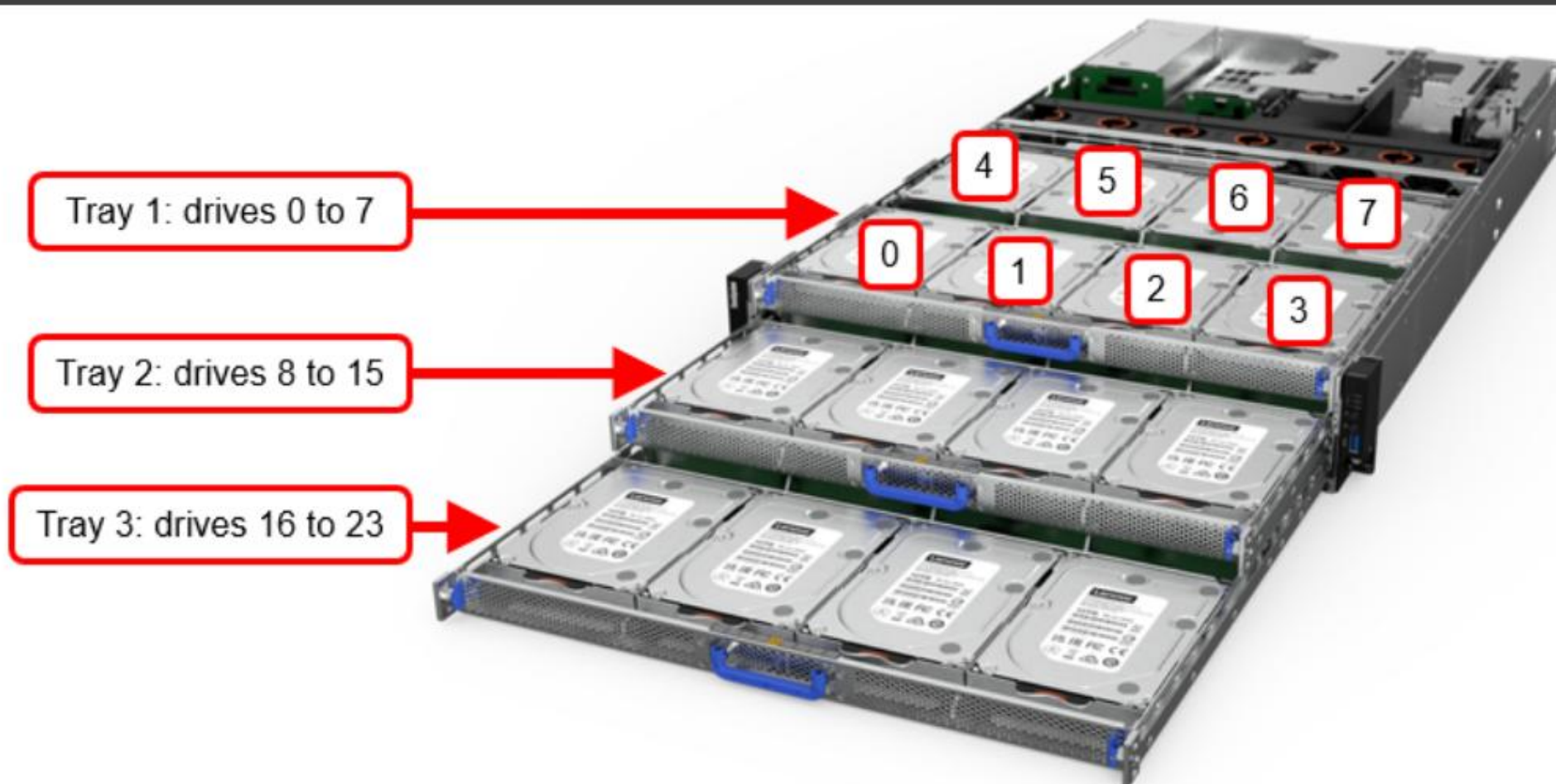
Front panel and ports

Drive trays and drive
numbering

Front panel and ports



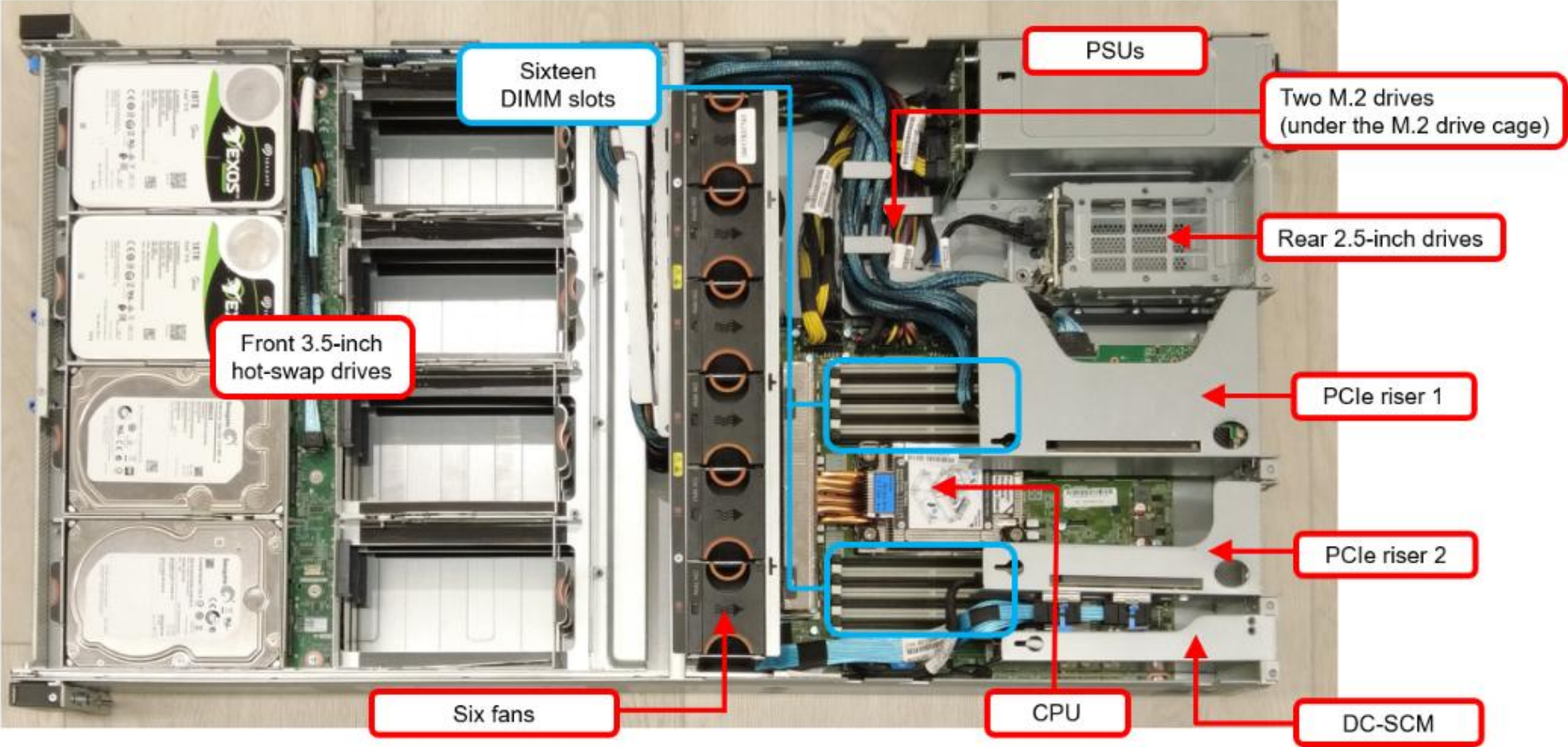
Drive trays



Note: All 24 drive slots must be occupied. An empty drive slot might cause an unexpected thermal problem.

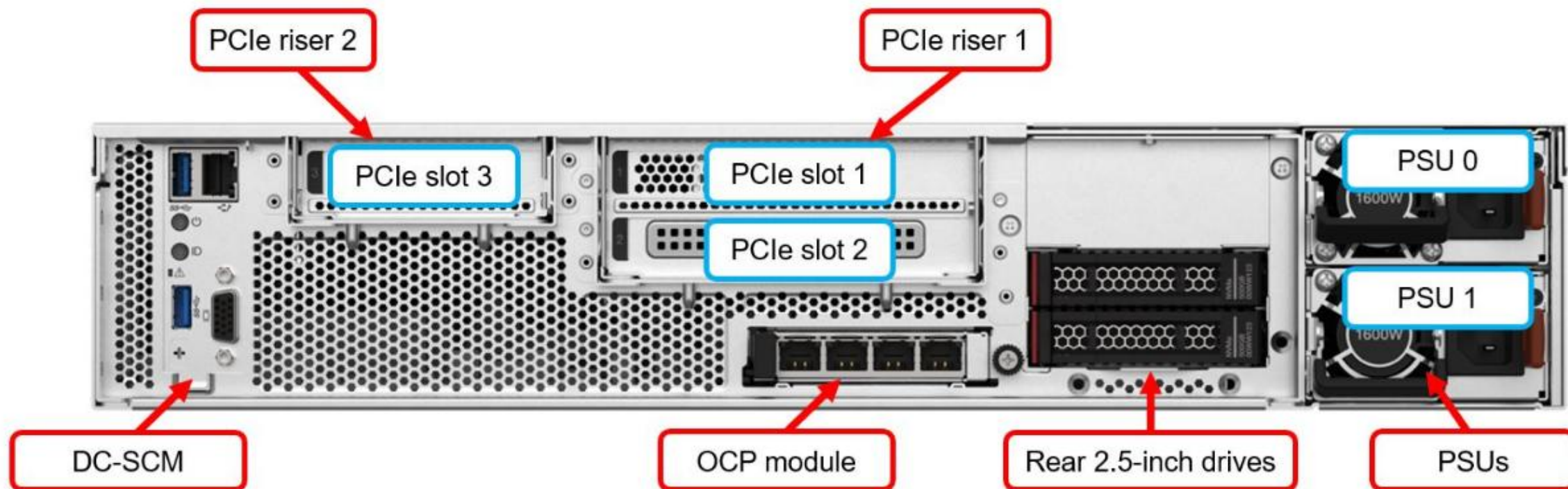
Inside view

Front



Rear

Rear view



DC-SCM

The HS350X V3 uses a DC-SCM (datacenter secure control module) as its system management adapter. This module contains the system BMC chip and TPM module. The system firmware is also stored in this adapter.

