

# Problem determination and troubleshooting

LED information

## Problem determination and troubleshooting overview

The troubleshooting procedures for the DM7100 Series and DM240N are the same as those for other DM Series storage controllers and expansion enclosures. However, the LEDs are situated in different locations.

Refer to the Problem determination and troubleshooting overview section of course [ES71914B - Servicing the Lenovo ThinkSystem DM Series storage](#) for detailed problem determination and troubleshooting steps.

## DM7100 Series LEDs - front

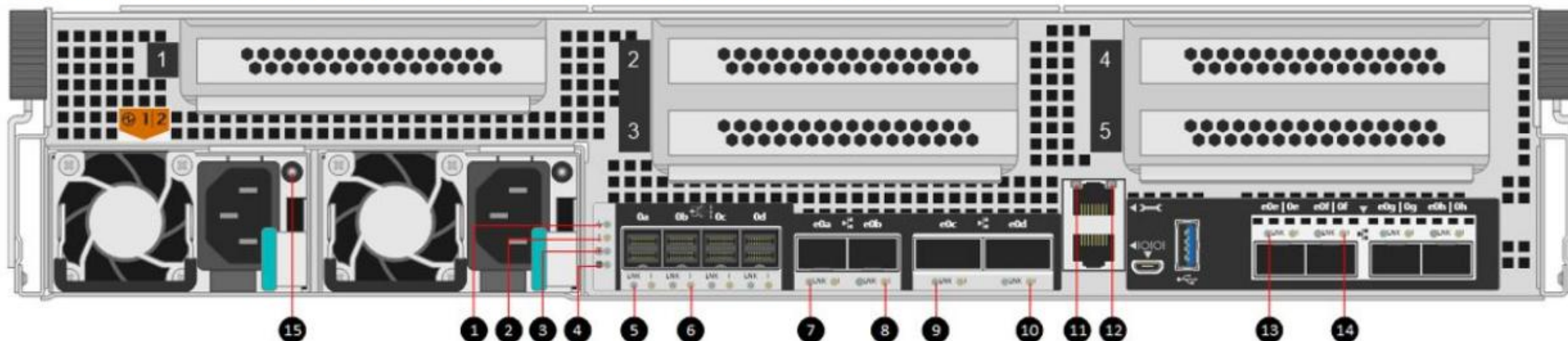


LED name	State	Description
1. System power LED	Solid green	On: the system is on Off: the system is off
2. System attention LED	Solid amber	A key component failure with the function of one or more FRUs. Check event messages to determine what corrective action to take
3. Location LED	Solid blue	The system administrator activated this LED to help them physically locate the controller in need of servicing
4. Fan fault LED	Solid amber	The fan module has malfunctioned



## DM7100 Series LEDs – rear

This graphic shows the single controller module LEDs with a 25 Gb Ethernet mezzanine card installed. If the 16 Gb FC mezzanine card has been installed, LEDs 13 and 14 will be different.



Description			
1. Controller activity (Green)	2. Controller attention (Amber)	3. Controller location (Blue)	4. NVDIMM LED (Green) <b>Note:</b> When you halt the system, the NVDIMM blinks while the system destages content. When the process is complete, the LED turns off
5. SAS port link (Green)	6. SAS port attention (Amber)	7. 25 GbE port link (Green)	8. 25 GbE port attention (Amber)
9. 100 GbE port link (Green)	10. 100 GbE port attention (Amber)	11. BMC port link (Green, solid)	12. BMC port activity (Green, blinking)
13. FC or Ethernet port link (Green)	14. FC or Ethernet port attention (Amber)	15. Power supply (Green / Amber)	

## DM240N LEDs - front



LED name	State	Description
1. System power LED	Solid green	On: the system is on Off: the system is off
2. System attention LED	Solid amber	A key component failure with the function of one or more FRUs. Check event messages to determine what corrective action to take
3. Location LED	Solid blue	The system administrator activated this LED function to help them physically locate the expansion enclosure in need of servicing



## DM240N LEDs - rear

This graphic shows the single NSM module LEDs.

PSU LED, bicolored, green/amber



Location LED, blue

Attention LED, amber



Port link LED, green

Port attention LED, amber

# Summary

This course enabled you to:

- Describe the ThinkSystem DM7100 Series storage controllers and the DM240N expansion enclosure and components
- List the features and specifications
- Describe how to connect the cables in the DM7100 Series
- Describe the FRU replacement procedures
- Provide an overview of ONTAP 9.7
- Describe the problem determination steps and explain how to troubleshoot issues with the ThinkSystem DM7100 Series