

# ThinkSystem AFA DM5100F Systems

## Installation and Setup Instructions

Lenovo

Prepare for installation

Install hardware

Cable configuration-  
dependent options

Complete system setup  
and configuration

1

2

3

4

## Prepare for installation | Stage 1



Pre-setup

1. Unpack all boxes and inventory contents.

**Attention:** Customers with specific power requirements must check Lenovo Press (<https://lenovopress.com>) for their configuration options.

2. Complete the cluster configuration by referring to the section of Setting up your cluster environment at:

[https://thinksystem.lenovofiles.com/storage/help/topic/ontap\\_software/overview\\_cluster\\_management.html](https://thinksystem.lenovofiles.com/storage/help/topic/ontap_software/overview_cluster_management.html)



Contents

In the box  
Cables in your shipment are order-dependent. Not all cables shown may be in your shipment.

25 GbE cable (SFP28)  
HA and cluster interconnect



32 Gb FC (SFP+ Op)  
FC optical network cable



RJ-45 cables  
Wrench port (e0M/BMC)  
(order-dependent)



Additional cables



Ethernet cables



Power cables



micro USB console cable

Slide rail kit



**Note:** For more cable information and part numbers, see [Lenovo Press](https://lenovopress.com) at <https://lenovopress.com>.



You provide



Rack space  
2U for AFA DM5100F



Screwdriver  
Phillips #2



Additional network cables  
For connecting your storage system to your network switch and laptop or console.



Laptop or console  
With a USB/serial connection and access to a Web browser to configure your storage system

For Barcode Position Only

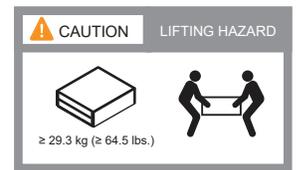
Printed in China  
(1P) P/N: SP47B72065



Rear view of AFA DM5100F system

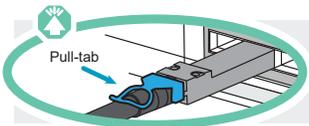
## 1 Install system in a rack or cabinet:

- Install the rail kits, as needed, and then install and secure your system using the instructions included with the kit.
- Use cable identification and management system of your choice. The system does not have a cable management device.
- Place the bezel on the front of the system.



## 2 Cable the controller for a switchless or switched cluster:

See your network administrator for help connecting to your switches.



**Attention:** Be sure to check the illustration arrow for the proper cable connector pull-tab orientation.  
**Note:** To unplug a cable, gently pull the tab to release the locking mechanism.

### Switchless cluster



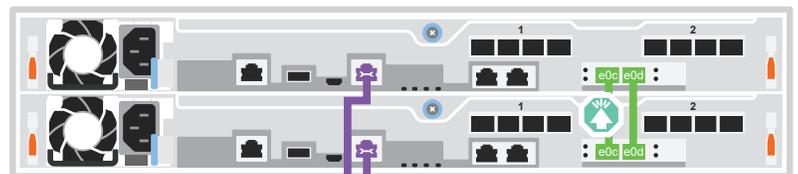
25 GbE cables

- Cable the e0c port to the e0c port and then cable the e0d port to the e0d port.



Ethernet cables

- Connect the wrench port (e0M/BMC) to the management switches.



To management network switches

### Switched cluster



25 GbE cables

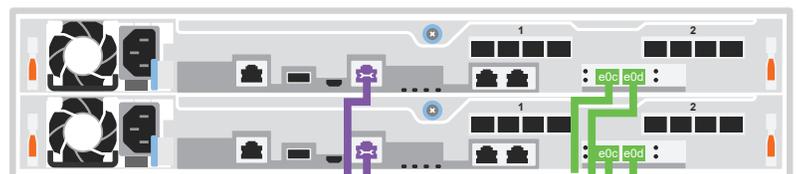
- Cable port e0c and port e0d on each controller to the cluster interconnect switches.

Note: Do not connect e0c and e0d from the same controller to a single switch.



Ethernet cables

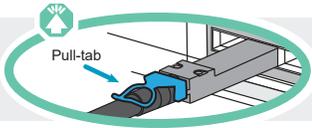
- Connect the wrench port (e0M/BMC) to the management switches.



To management network switches

To cluster interconnect switches  
 Switch 1 Switch 2

# Cable configuration-dependent options | Stage 3

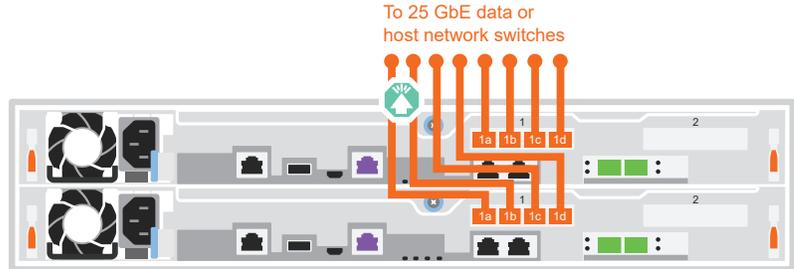


**Attention:** Be sure to check the illustration arrow for the proper cable connector pull-tab orientation.  
**Note:** To unplug a cable, gently pull the tab to release the locking mechanism.

## A 25 GbE host network



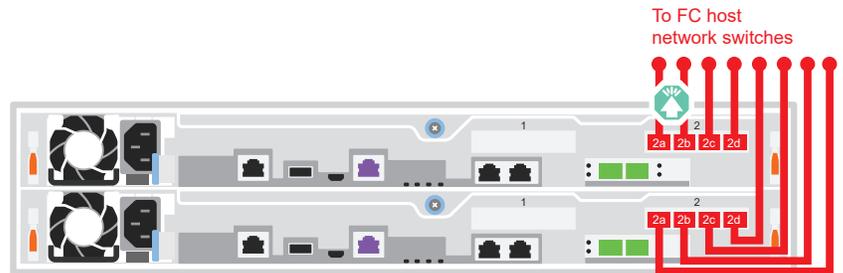
Cable ports using either 1a through 1d or 2a through 2d to data and host network switches.



## B FC host network



Cable ports using either 1a through 1d or 2a through 2d to the FC host network switches.

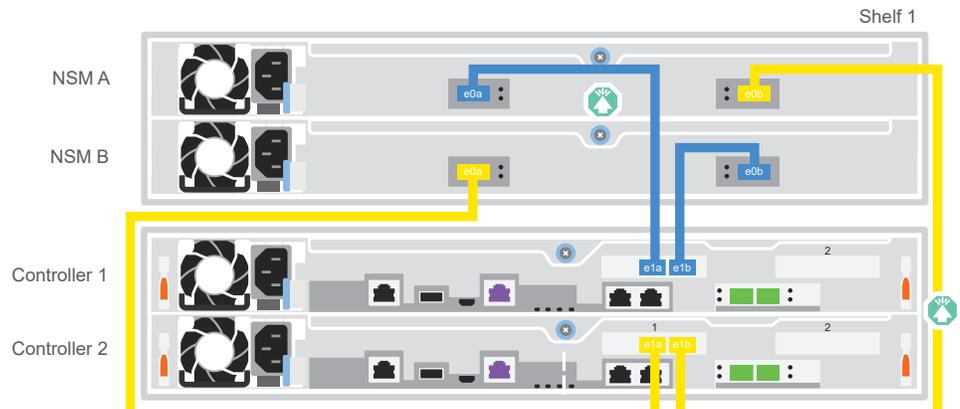


## C External storage

Cabling an AFA DM5100F system to one DM240N shelf



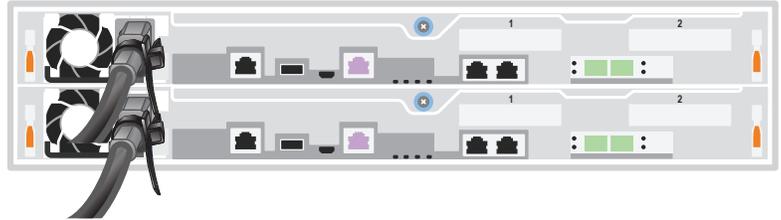
- 1 Cable e1a on controller 1 to the e0a on NSM A on the DM240N.  
Cable e1b on controller 1 to the e0b on NSM B on the DM240N.
- 2 Cable e1a on controller 2 to the e0a on NSM B on the DM240N.  
Cable e1b on controller 2 to the e0b on NSM A on the DM240N.



## 1 Power on the controllers:

Connect the controllers to different power sources.

**Note:** The system begins to boot as soon as the power supplies are connected to the power sources. Booting may take up to 8 minutes.



## 2 Complete initial cluster setup:

For detailed information, refer to Detailed Guide at:

[https://thinksystem.lenovofiles.com/storage/help/topic/dm5100f/91FA78D3-A39E-451D-BB17-6476972A0716\\_.html](https://thinksystem.lenovofiles.com/storage/help/topic/dm5100f/91FA78D3-A39E-451D-BB17-6476972A0716_.html)

## 3 Complete setup:

After you have completed the initial configuration, go to Lenovo ONTAP Resources at

[https://thinksystem.lenovofiles.com/storage/help/topic/ontap\\_software/overview.html](https://thinksystem.lenovofiles.com/storage/help/topic/ontap_software/overview.html) for information about configuring additional features in ONTAP.



### HELPFUL LINKS

- ThinkSystem Storage Documentation  
<https://thinksystem.lenovofiles.com/storage/help/index.jsp>
- Lenovo Data Center Support Web site (worldwide):  
<http://datacentersupport.lenovo.com/>
- Lenovo Data Center Support Web site (China):  
<http://support.lenovo.com.cn/EsWeb/>

Third Edition (June 2023)  
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