

DM7000F and DM7000H Systems

Installation and Setup Instructions

Prepare for installation | 1



In the box

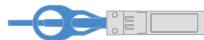
Controller-to-controller cables



Cluster interconnect cable



Ethernet cables



10 GbE network cable

Host cables



Optical network cable



SAS cables



Power cables



You provide



Rack space
3U per chassis



Screwdriver



Additional network cables

For connecting your storage to your network switch and Microsoft® Windows® client



Windows client

Runs the software to configure your storage system

Unpack and install system



1

- Unpack all boxes and inventory contents.
- Install rail kits, as needed, using the enclosed installation instructions.
- Install system components on rails or in a system cabinet per installation instructions.
- Attach cable management arms.
- Place the bezel on the front of the system.

2

Cable controller for cluster



Cluster interconnect cable

- 1** For switchless cluster
- Cable the cluster interconnect e0a to e0a and e0b to e0b ports on both controllers.

- 1** For switched cluster
- Cable e0a and e0b on both controllers to cluster network switches.



- 2** Connect wrench ports to the management switch.

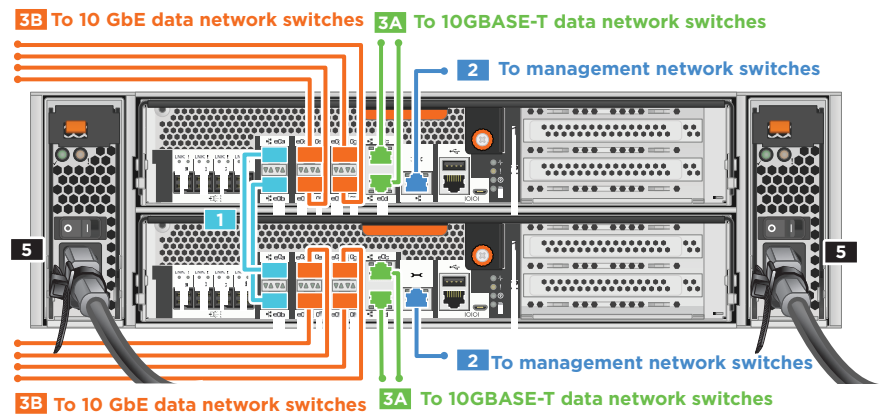
- 3** Do one of the following:
- **3A** Connect 10GBASE-T ports e0c and e0d to the switches

- 3B** Connect 10 GbE network cables
- **3B** Connect e0e|0e through e0h|0h to the switches
 - Do both **3A** and **3B**

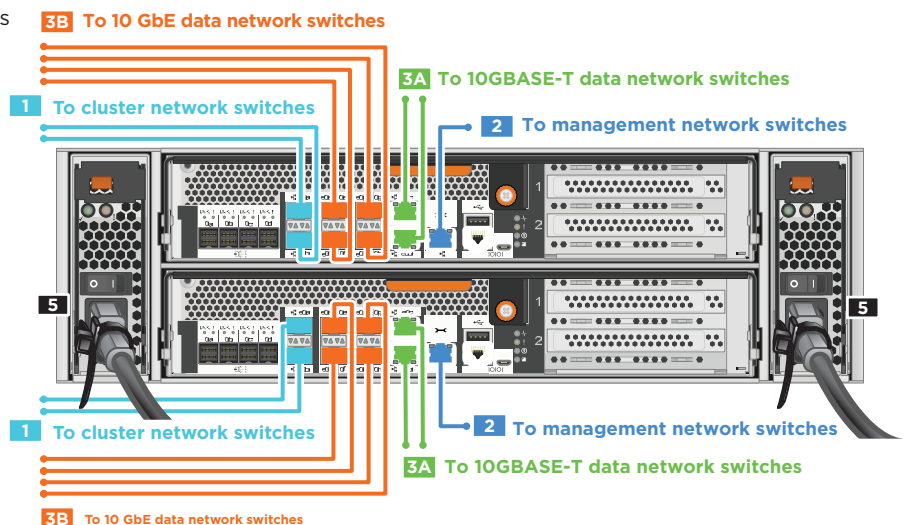
- 4** Strap the cables to the cable management arms. (not shown)

- 5** Cable both power supplies for each chassis.
ALL power cords MUST be used for all units.

Switchless cluster



Switched cluster



Multi-path HA cabling a DM7000F or DM7000H WITH external storage (DM7000F: DM240S disk shelves; DM7000H: DM240S or DM600S disk shelves)

NOTE: Prior to connecting the Nodes to the IOMs in the stack, verify that the Tied Controller System ID matches your DM controller Serial Number using the label on the top of the expansion shelf. Refer to the label graphics on the right.

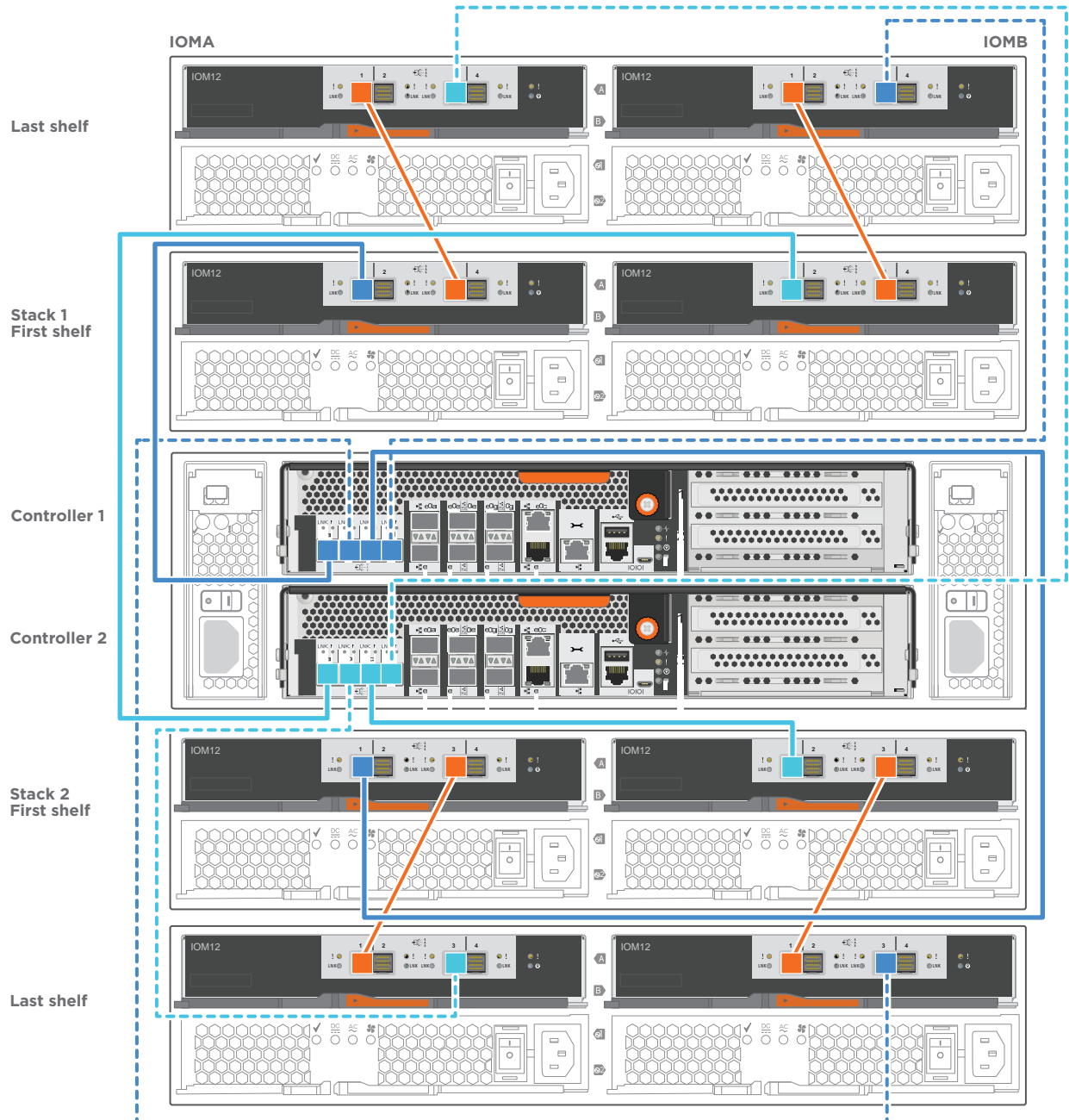
Tied Controller System 连接控制器系统
DM MT-M: 7YXX-CT01WW
DM SN: XXXXXXXX
Stack #: 1



Storage cables

- 1 Connect the shelf-to-shelf ports
- 2 Connect the controllers to the first stack of disk shelves
- 3 Connect the controllers to the second stack of disk shelves

———— Primary path from controller to stack
- - - - - Secondary path from controller to stack



1 Complete the configuration worksheet.

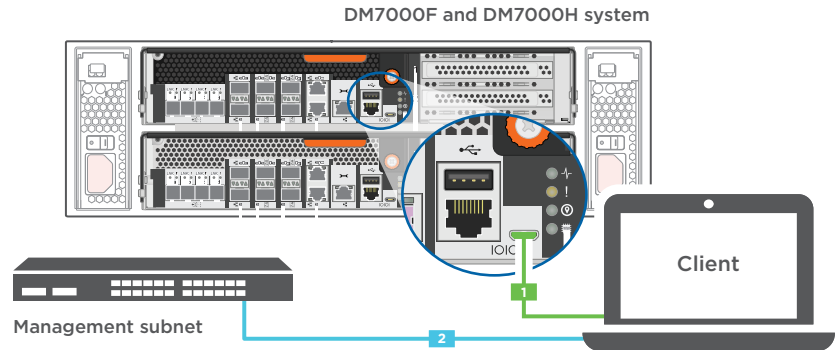
2 Cable and configure your client

micro USB console cable

- 1 Set the console port on the client to 115,200 baud with N-8-1, connect to the micro-USB port on the controller with the console cable.

Ethernet cable

- 2 Connect the client to the switch on the management subnet and give the client a TCP/IP address on the management subnet.



3 Setting the disk shelf ID:

- Power on all disk shelves.
- Set the shelf ID.
- Power off the disk shelves.
- Wait for several seconds. Then, power on the disk shelves again.

4 Power on the system.

5 Configure your system using the Application Setup Wizard

1. Assign an initial node management IP address to one of the nodes if you have DHCP configured on your management network, record the IP address assigned to the new controllers. Otherwise,
 - a. Open a console session using PuTTY, a terminal server, or the equivalent for your environment.
 - b. Enter the node management IP address when prompted.

2. Use Storage Manager Guided Setup to configure your cluster.
 - a. Point your browser to the address you assigned in step 1:
`https://x.x.x.x`
 - b. Enter the data from your Cluster Configuration Worksheet.

Note: When using Guided Setup to configure your cluster, ensure that your service processor addresses are configured in an isolated network so that the addresses are not routable.



HELPFUL LINKS

- **Lenovo Data Center Support Web site (worldwide):**
<https://datacentersupport.lenovo.com/>
- **Lenovo Data Center Support Web site (China):**
<http://support.lenovo.com.cn/EsWeb/>

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