Overview

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You can deploy the Cisco Secure Workload M6 cluster in either of the following ways:

- Large-form factor 39-rack unit (RU) platform (C1-Workload single rack) for data centers with more than 5000 servers
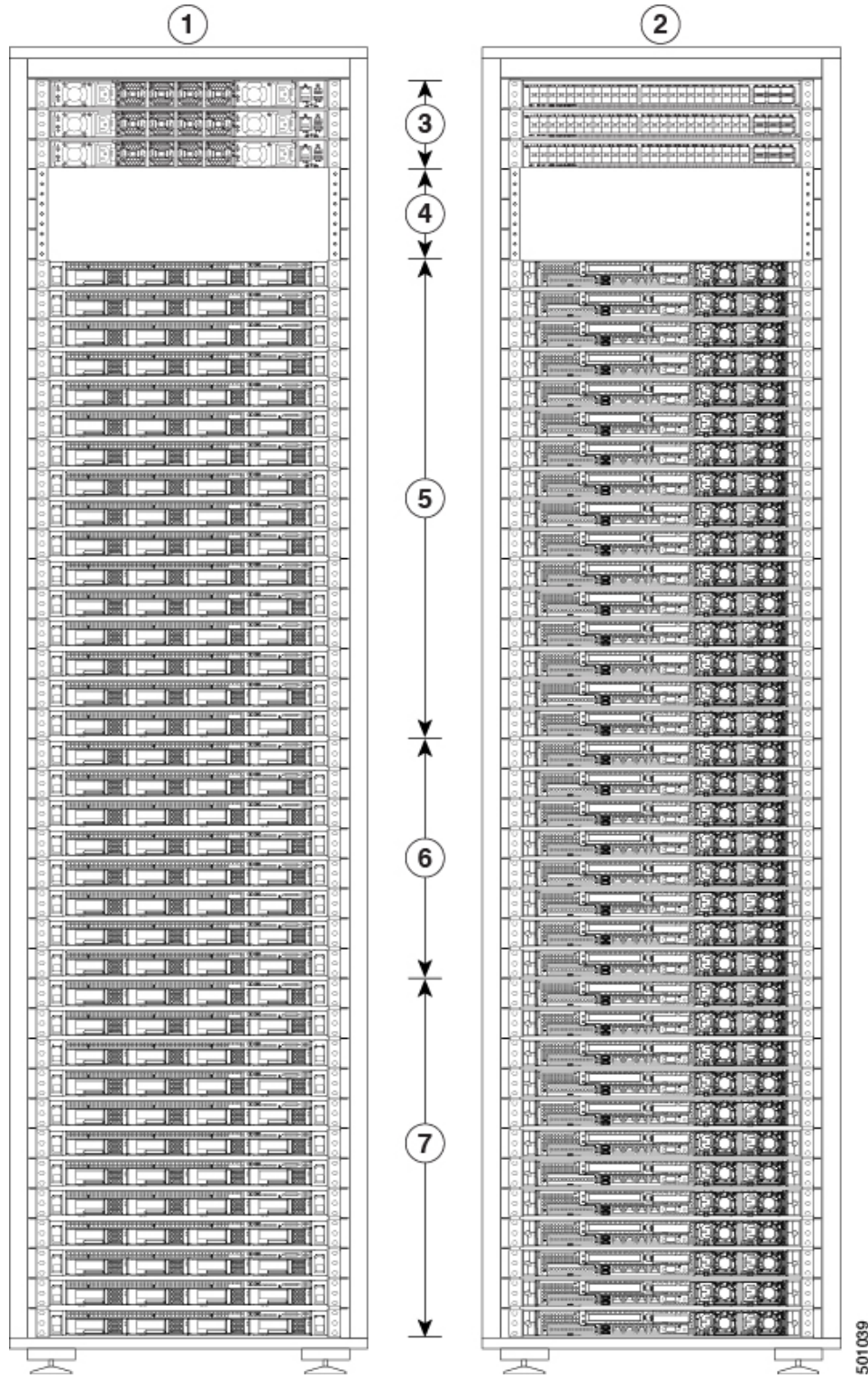
Note You can deploy the large-form factor platform in either one or two racks depending on your requirements. See the following C1-Workload single rack and dual rack figures for examples.

- Small-form factor 8-RU platform (C1-Workload-M) for data centers with fewer than 5000 servers. See the C1-Workload-M figure for the example.

The following figure shows the front and rear of the C1-Workload single rack.

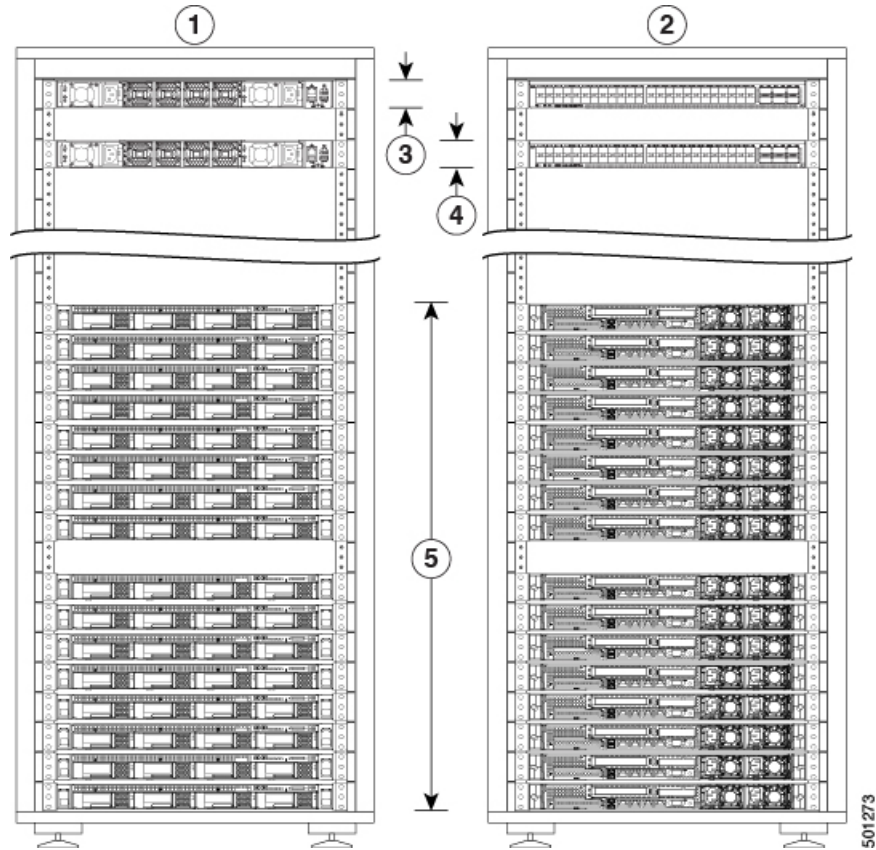*Figure 1: C1-Workload Single Rack Front and Rear*

1	Front (cold aisle view)	2	Rear (hot aisle view)

3	One spine (RU 42) and two leaf switches: leaf 2 (RU 40) and leaf 1 (RU 41)	4	Open rack units (RU 37 to 39)
5	16 compute servers (RU 21 to 36)	6	Eight serving servers (RU 13 to 20)
7	12 base servers (RU 1 to 12)		—

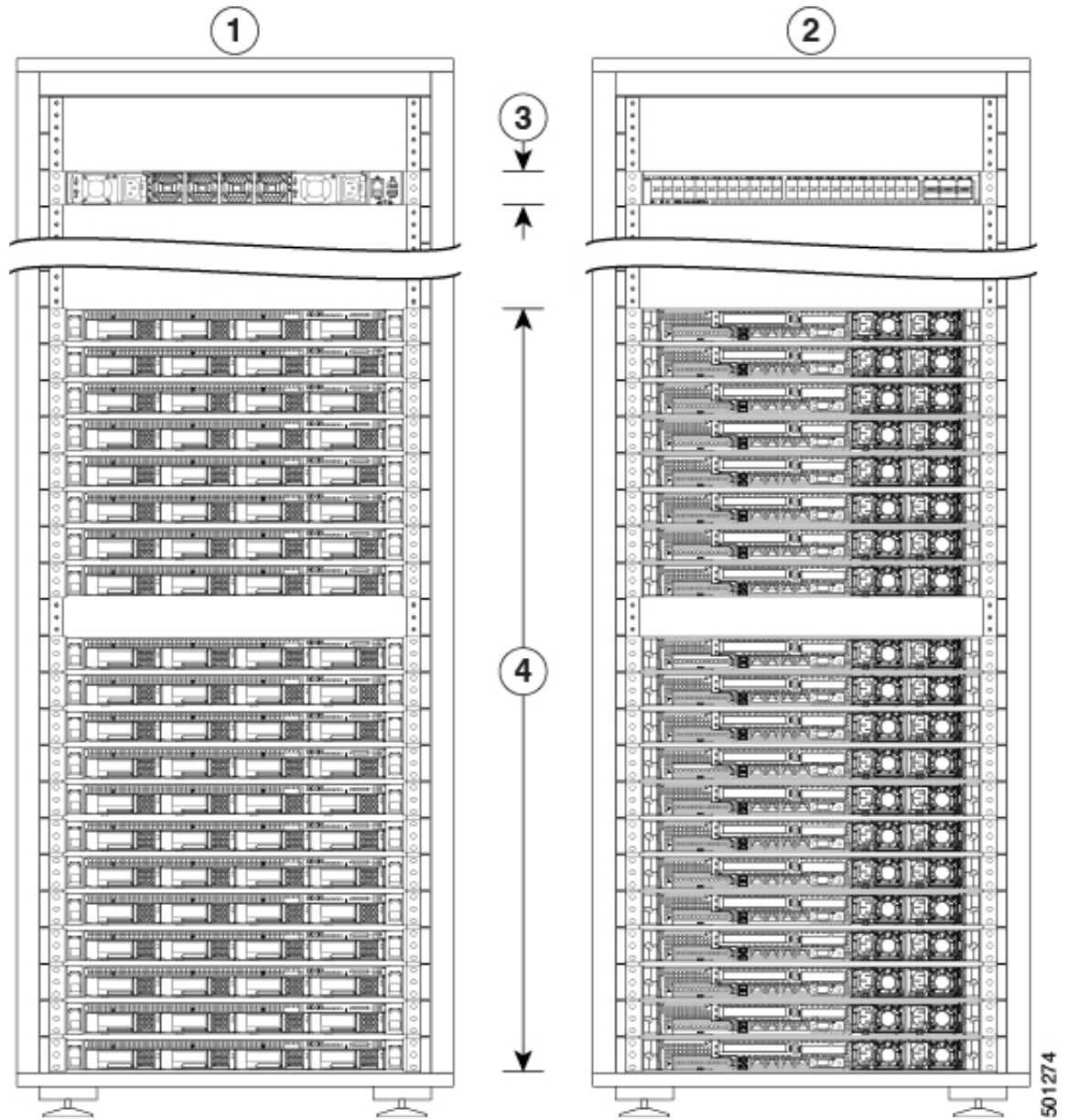The following figure shows the front and rear of rack one of the C1-Workload dual rack.

Figure 2: C1-Workload Dual Rack—Rack 1 Front and Rear

1	Front (cold aisle view)	2	Rear (hot aisle view)
3	One spine switch (RU 42)	4	Leaf 1 switch (RU 40)
5	16 compute servers (RU 1 to 4 and 6 to 9)	6	—

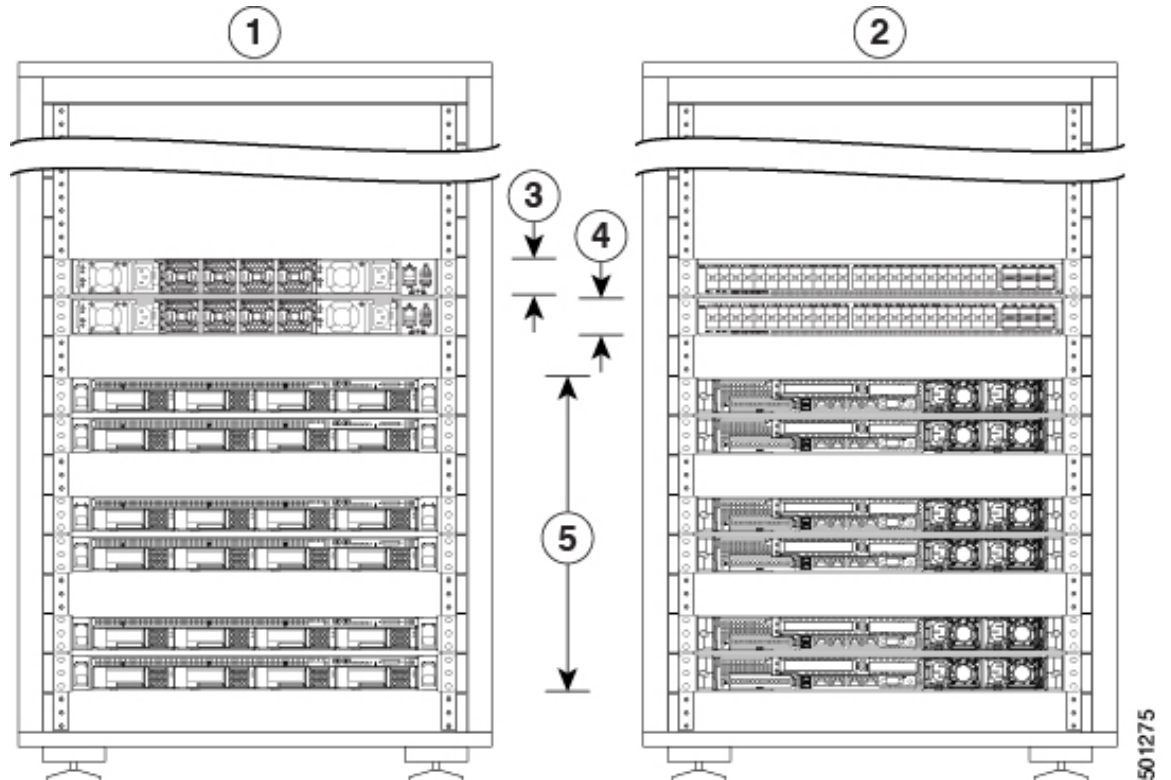The following figure shows the front and rear of rack 2 of the C1-Workload dual rack.

Figure 3: C1-Workload Dual Rack— Rack 2 Front and Rear

1	Front (cold aisle view)	2	Rear (hot aisle view)
3	Leaf 2 switch (RU 40)	4	Eight serving servers (RU 14 to 21) and 12 base servers (RU 1 to 12)

The following figure shows the front and rear of the C1-Workload-M.
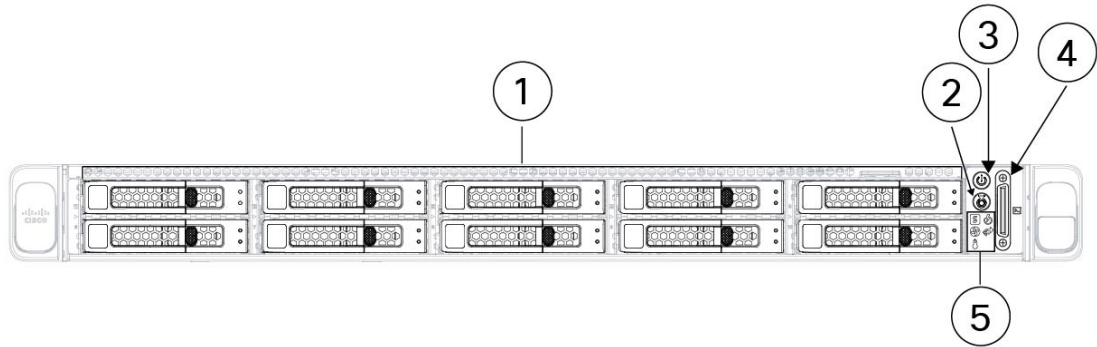
Figure 4: C1-Workload-M Front and Rear

1	Front (cold aisle view)	2	Rear (hot aisle view)
3	Leaf 1 switch (RU 12)	4	Leaf 2 switch (RU 11)
5	Six universal servers (RU 2, 3, 5, 6, 8, and 9)		—

Cisco UCS C220 M6 Server Front Panel

The following figure shows the front panel of the UCS C220 M6 server with small form-factor (SFF) drives.

See the Cisco UCS C220 M6 Server Installation and Service Guide for more information.

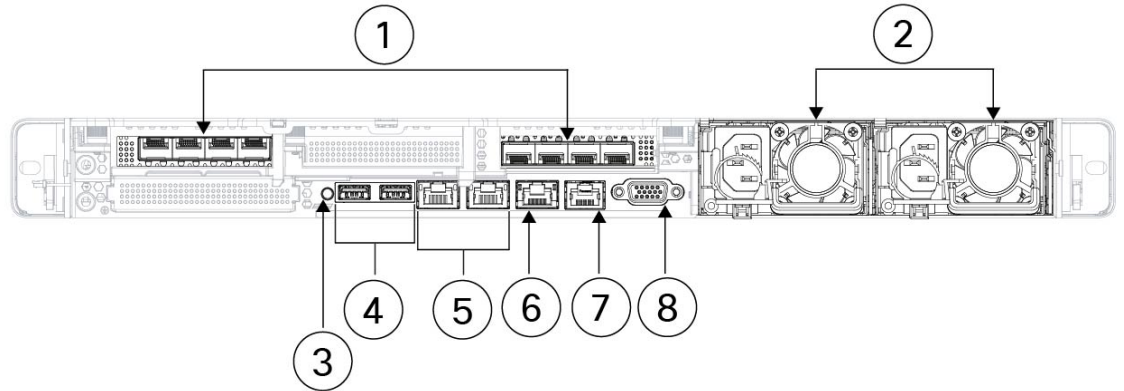**Figure 5: Cisco UCS C220 M6 Server Front Panel**

1	Drive bays 1 to 10, numbered left to right, top to bottom Supports SAS/SATA HDDs and SSDs. As an option, drive bays 1 to 4 can contain up to 4 NVMe drives in any number up to 4. Drive bays 5 through 10 support only SAS/SATA HDDs or SSDs.	2	Unit identification button/LED
3	Power button/power status LED	4	KVM connector Used with a KVM cable that provides one DB-15 VGA, one DB-9 serial, and two USB 2.0 connectors.
5	System LEDs: • Fan status LED • System status LED • Power supply status LED • Network link activity LED • Temperature status LED		—

Cisco UCS C220 M6 Server Rear Panel

The following figure shows the rear panel of the UCS C220 M6 Server.

See the Cisco UCS C220 M6 Server Installation and Service Guide for more information.

Figure 6: Cisco UCS C220 M6 Server Rear Panel

1	Two PCIe slots
	
	• Riser 1 (controlled by CPU 1)
	
	   • Supports one PCIe slot (slot 1)
	
	   • Slot 1 is half-height, 3/4 length, x16
	
	• Riser 3 (controlled by CPU 2)
	
	   • Supports one PCIe slot (slot 3)
	
	   • Slot 3 is half-height, 3/4 length, x16
		2	Two power supply units (PSUs), which are redundant when configured in 1+1 power mode

3	System identification button/LED	4	Two USB 3.0 ports
5	Dual 1-Gb/10-Gb Ethernet ports (LAN1 and LAN2) The dual LAN ports support 1 Gbps and 10 Gbps depending on the link partner capability.	6	1-Gb Ethernet dedicated management port
7	COM port (RJ-45 connector)	8	VGA video port (DB-15 connector)

Cisco UCS C220 M6 Server Rear Panel