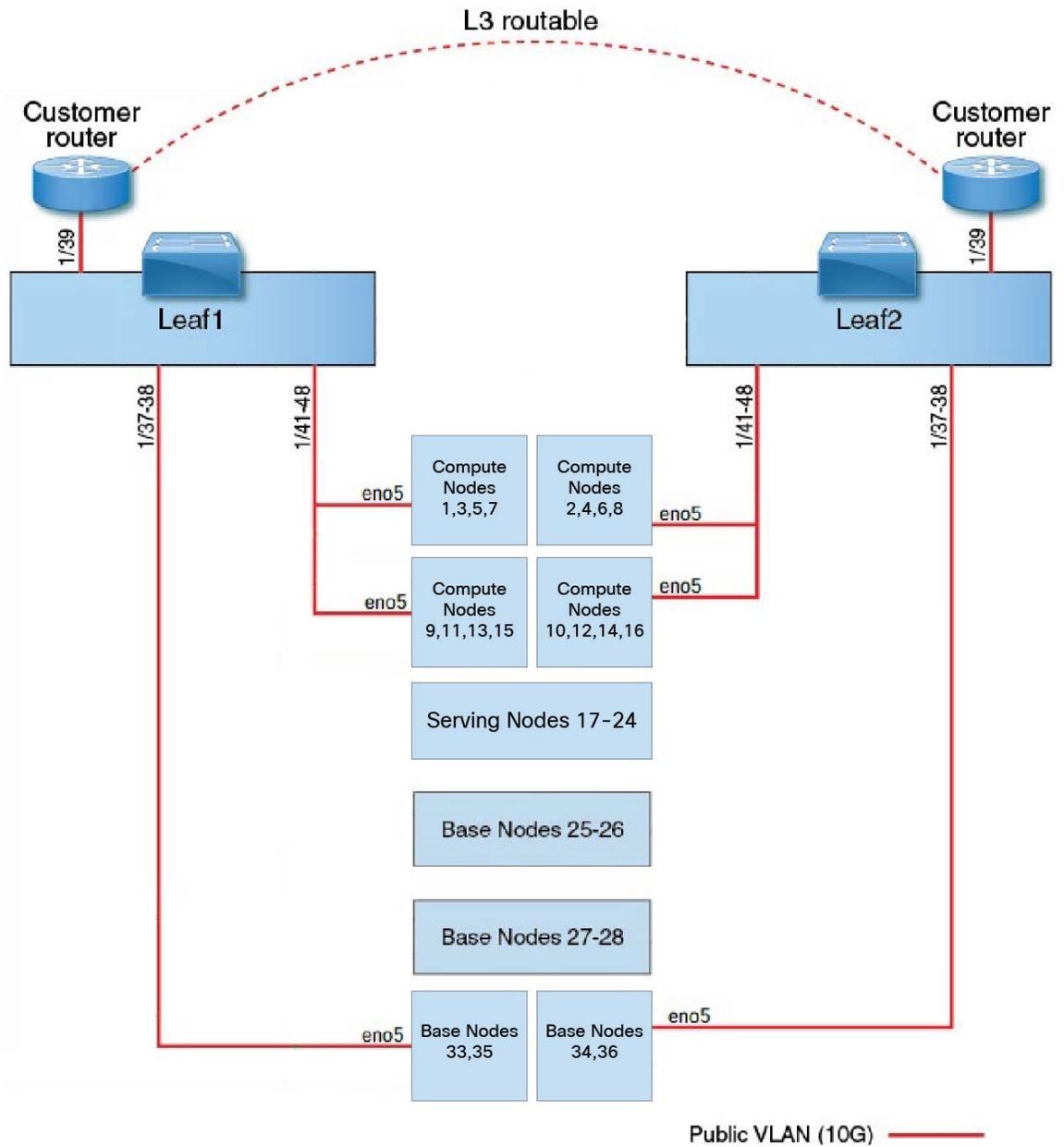# C1-Secure Workload Cluster Device Cabling

C1-Workload Cluster Device Cabling

Pay attention to the following configuration information when you cable the M6 Virtual Interface Card (VIC) on the 39-RU rack:

- There are two private interfaces for all nodes.

- The 39-RU rack has one public interface for 20 nodes.

- The M6 hardware has four ports per VIC.

- The names for the bare metal interface—the physical servers in the cluster known as the base, compute, and serving nodes—begin with "eno" (Ethernet onboard).
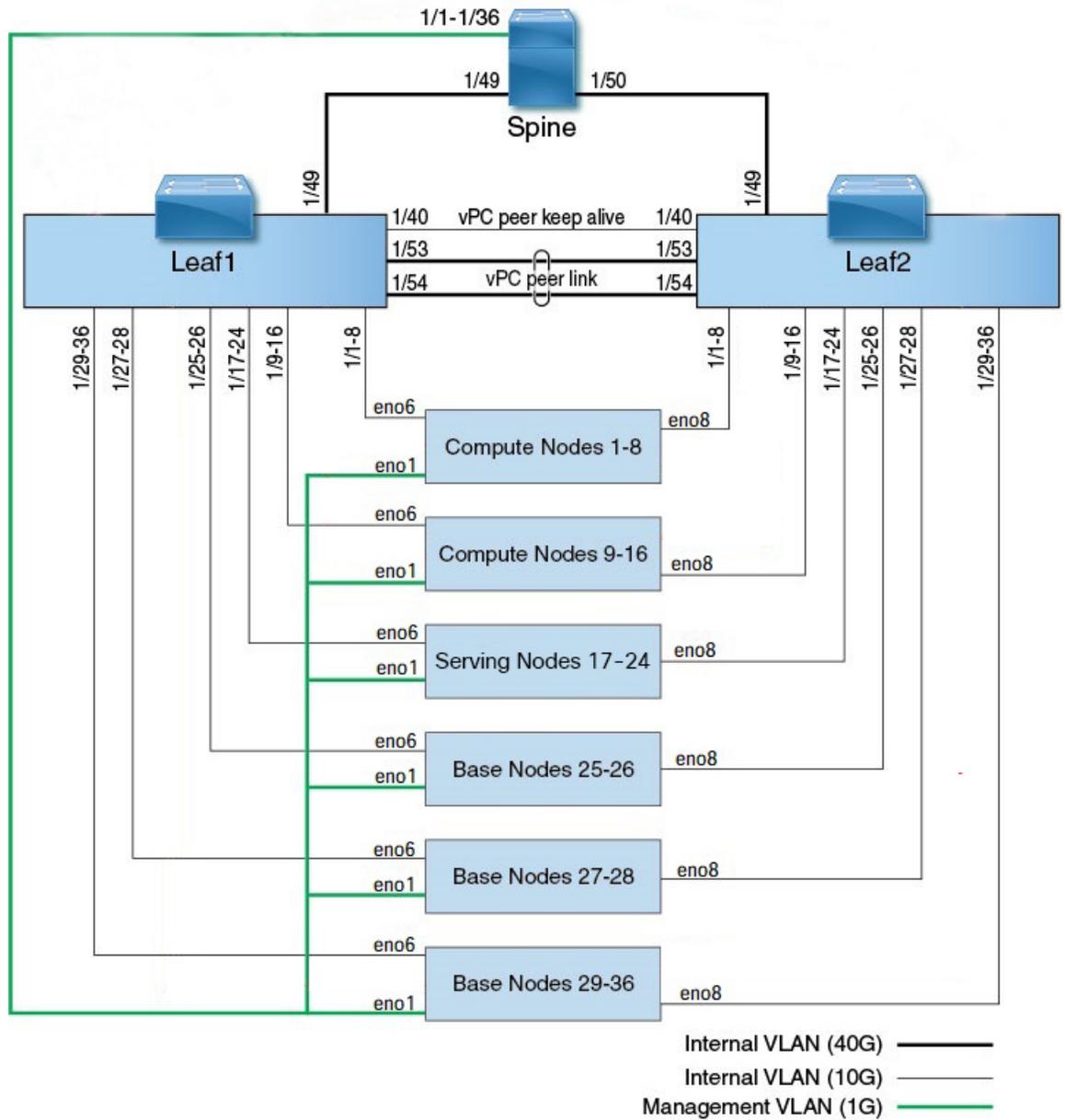
The following diagram shows the device cabling for the public/external configuration for the C1-Workload rack. For a detailed list of the connections, see the tables that follow the diagrams.

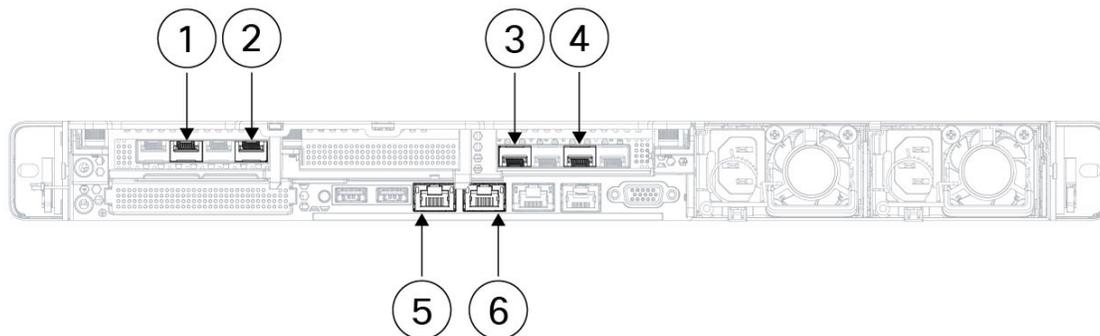*Figure 1: C1-Workload Rack Device Cabling (Public/External)*

The following diagram shows the device cabling for the internal/management configuration for the C1-Workload rack. For a detailed list of the connections, see the following tables.

Figure 2: C1-Workload Rack Device Cabling (Internal/Management)

The following figure shows which ports on the M6 server correspond to the "eno" ports in the figures above:

Figure 3: M6 Server Ports

1	Leaf 1 or leaf 2 public depending on the server Server interface port = eno5 CIMC designation = adapter 1/physical port 2/vic-1-eth1	2	Leaf 1 private Server interface port = eno6 CIMC designation = adapter 1/physical port 0/vic-1-eth0
3	Leaf 2 private Server interface port = eno8 CIMC designation = adapter 3/physical port 0/vic-3-eth0	4	Not used Server interface port = eno7 CIMC designation = adapter 3/physical port 2/vic-3-eth1
5	CIMC Server interface port = eno1 CIMC designation = LOM 1	6	MGMT 2.2.2.2 Server interface port = eno2 CIMC designation = LOM 2

Table 1: Spine Switch Connections (RU 42 in Single-Rack Installations and in Dual-Rack Installations)

Spine Port	Connection Type	Connection			
		Device	RU in Single Rack	RU in Dual Rack	Port
1/1	CIMC VLAN (1 Gigabit)	UCS server host 1 (compute node)	RU 36	Rack 1 RU 17	eno1
1/2	CIMC VLAN (1 Gigabit)	UCS server host 2 (compute node)	RU 35	Rack 1 RU 16	eno1
1/3	CIMC VLAN (1 Gigabit)	UCS server host 3 (compute node)	RU 34	Rack 1 RU 15	eno1
1/4	CIMC VLAN (1 Gigabit)	UCS server host 4 (compute node)	RU 33	Rack 1 RU 14	eno1
1/5	CIMC VLAN (1 Gigabit)	UCS server host 5 (compute node)	RU 32	Rack 1 RU 13	eno1

Spine Port	Connection Type	Connection			
		Device	RU in Single Rack	RU in Dual Rack	Port
1/6	CIMC VLAN (1 Gigabit)	UCS server host 6 (compute node)	RU 31	Rack 1 RU 12	eno1
1/7	CIMC VLAN (1 Gigabit)	UCS server host 7 (compute node)	RU 30	Rack 1 RU 11	eno1
1/8	CIMC VLAN (1 Gigabit)	UCS server host 8 (compute node)	RU 29	Rack 1 RU 10	eno1
1/9	CIMC VLAN (1 Gigabit)	UCS server host 9 (compute node)	RU 28	Rack 1 RU 8	eno1
1/10	CIMC VLAN (1 Gigabit)	UCS server host 10 (compute node)	RU 27	Rack 1 RU 7	eno1
1/11	CIMC VLAN (1 Gigabit)	UCS server host 11 (compute node)	RU 26	Rack 1 RU 6	eno1
1/12	CIMC VLAN (1 Gigabit)	UCS server host 12 (compute node)	RU 25	Rack 1 RU 5	eno1
1/13	CIMC VLAN (1 Gigabit)	UCS server host 13 (compute node)	RU 24	Rack 1 RU 4	eno1
1/14	CIMC VLAN (1 Gigabit)	UCS server host 14 (compute node)	RU 23	Rack 1 RU 3	eno1
1/15	CIMC VLAN (1 Gigabit)	UCS server host 15 (compute node)	RU 22	Rack 1 RU 2	eno1
1/16	CIMC VLAN (1 Gigabit)	UCS server host 16 (compute node)	RU 21	Rack 1 RU 1	eno1
1/17	CIMC VLAN (1 Gigabit)	UCS server host 17 (serving node)	RU 20	Rack 2 RU 21	eno1
1/18	CIMC VLAN (1 Gigabit)	UCS server host 18 (serving node)	RU 19	Rack 2 RU 20	eno1
1/19	CIMC VLAN (1 Gigabit)	UCS server host 19 (serving node)	RU 18	Rack 2 RU 19	eno1
1/20	CIMC VLAN (1 Gigabit)	UCS server host 20 (serving node)	RU 17	Rack 2 RU 18	eno1
1/21	CIMC VLAN (1 Gigabit)	UCS server host 21 (serving node)	RU 16	Rack 2 RU 17	eno1

Spine Port	Connection Type	Connection			
		Device	RU in Single Rack	RU in Dual Rack	Port
1/22	CIMC VLAN (1 Gigabit)	UCS server host 22 (serving node)	RU 15	Rack 2 RU 16	eno1
1/23	CIMC VLAN (1 Gigabit)	UCS server host 23 (serving node)	RU 14	Rack 2 RU 15	eno1
1/24	CIMC VLAN (1 Gigabit)	UCS server host 24 (serving node)	RU 13	Rack 2 RU 14	eno1
1/25	CIMC VLAN (1 Gigabit)	UCS server host 25 (base node)	RU 12	Rack 2 RU 12	eno1
1/26	CIMC VLAN (1 Gigabit)	UCS server host 26 (base node)	RU 11	Rack 2 RU 11	eno1
1/27	CIMC VLAN (1 Gigabit)	UCS server host 27 (base node)	RU 10	Rack 2 RU 10	eno1
1/28	CIMC VLAN (1 Gigabit)	UCS server host 28 (base node)	RU 9	Rack 2 RU 9	eno1
1/29	CIMC VLAN (1 Gigabit)	UCS server host 29 (base node)	RU 8	Rack 2 RU 8	eno1
1/30	CIMC VLAN (1 Gigabit)	UCS server host 30 (base node)	RU 7	Rack 2 RU 7	eno1
1/31	CIMC VLAN (1 Gigabit)	UCS server host 31 (base node)	RU 6	Rack 2 RU 6	eno1
1/32	CIMC VLAN (1 Gigabit)	UCS server host 32 (base node)	RU 5	Rack 2 RU 5	eno1
1/33	CIMC VLAN (1 Gigabit)	UCS server host 33 (base node)	RU 4	Rack 2 RU 4	eno1
1/34	CIMC VLAN (1 Gigabit)	UCS server host 34 (base node)	RU 3	Rack 2 RU 3	eno1
1/35	CIMC VLAN (1 Gigabit)	UCS server host 35 (base node)	RU 2	Rack 2 RU 2	eno1
1/36	CIMC VLAN (1 Gigabit)	UCS server host 36 (base node)	RU 1	Rack 2 RU 1	eno1
1/49	Internal VLAN (40 Gigabit)	Leaf switch 1 (RU 41 in single rack or RU 40 in rack 1 of dual rack)	RU 40	Rack 1 RU 40	1/49

Spine Port	Connection Type	Connection			
		Device	**RU in Single Rack**	**RU in Dual Rack**	**Port**
1/50	Internal VLAN (40 Gigabit)	Leaf switch 2 (RU 40 in single rack or RU 40 of rack 2 in dual rack) port 49	RU 41	Rack 2 RU 40	1/50

Table 2: Leaf Switch 1 Connections (RU 41 in Single-Rack Installations or RU 40 in Rack 1 of Dual-Rack Installations)

Leaf 1 Port	Connection Type	Connection			
		Device	**RU in Single Rack**	**RU in Dual Rack**	**Port**
1/1	Internal VLAN (10 Gigabit)	UCS server host 1 (compute node)	RU 36	Rack 1 RU 17	eno6
1/2	Internal VLAN (10 Gigabit)	UCS server host 2 (compute node)	RU 35	Rack 1 RU 16	eno6
1/3	Internal VLAN (10 Gigabit)	UCS server host 3 (compute node)	RU 34	Rack 1 RU 15	eno6
1/4	Internal VLAN (10 Gigabit)	UCS server host 4 (compute node)	RU 33	Rack 1 RU 14	eno6
1/5	Internal VLAN (10 Gigabit)	UCS server host 5 (compute node)	RU 32	Rack 1 RU 13	eno6
1/6	Internal VLAN (10 Gigabit)	UCS server host 6 (compute node)	RU 31	Rack 1 RU 12	eno6
1/7	Internal VLAN (10 Gigabit)	UCS server host 7 (compute node)	RU 30	Rack 1 RU 11	eno6
1/8	Internal VLAN (10 Gigabit)	UCS server host 8 (compute node)	RU 29	Rack 1 RU 10	eno6
1/9	Internal VLAN (10 Gigabit)	UCS server host 9 (compute node)	RU 28	Rack 1 RU 8	eno6
1/10	Internal VLAN (10 Gigabit)	UCS server host 10 (compute node)	RU 27	Rack 1 RU 7	eno6
1/11	Internal VLAN (10 Gigabit)	UCS server host 11 (compute node)	RU 26	Rack 1 RU 6	eno6
1/12	Internal VLAN (10 Gigabit)	UCS server host 12 (compute node)	RU 25	Rack 1 RU 5	eno6
1/13	Internal VLAN (10 Gigabit)	UCS server host 13 (compute node)	RU 24	Rack 1 RU 4	eno6

Leaf 1 Port	Connection Type	Connection			
		Device	RU in Single Rack	RU in Dual Rack	Port
1/14	Internal VLAN (10 Gigabit)	UCS server host 14 (compute node)	RU 23	Rack 1 RU 3	eno6
1/15	Internal VLAN (10 Gigabit)	UCS server host 15 (compute node)	RU 22	Rack 1 RU 2	eno6
1/16	Internal VLAN (10 Gigabit)	UCS server host 16 (compute node)	RU 21	Rack 1 RU 1	eno6
1/17	Internal VLAN (10 Gigabit)	UCS server host 17 (serving node)	RU 20	Rack 2 RU 21	eno6
1/18	Internal VLAN (10 Gigabit)	UCS server host 18 (serving node)	RU 19	Rack 2 RU 20	eno6
1/19	Internal VLAN (10 Gigabit)	UCS server host 19 (serving node)	RU 18	Rack 2 RU 19	eno6
1/20	Internal VLAN (10 Gigabit)	UCS server host 20 (serving node)	RU 17	Rack 2 RU 18	eno6
1/21	Internal VLAN (10 Gigabit)	UCS server host 21 (serving node)	RU 16	Rack 2 RU 17	eno6
1/22	Internal VLAN (10 Gigabit)	UCS server host 22 (serving node)	RU 15	Rack 2 RU 16	eno6
1/23	Internal VLAN (10 Gigabit)	UCS server host 23 (serving node)	RU 14	Rack 2 RU 15	eno6
1/24	Internal VLAN (10 Gigabit)	UCS server host 24 (serving node)	RU 13	Rack 2 RU 14	eno6
1/25	Internal VLAN (10 Gigabit)	UCS server host 25 (base node)	RU 12	Rack 2 RU 12	eno6
1/26	Internal VLAN (10 Gigabit)	UCS server host 26 (base node)	RU 11	Rack 2 RU 11	eno6
1/27	Internal VLAN (10 Gigabit)	UCS server host 27 (base node)	RU 10	Rack 2 RU 10	eno6
1/28	Internal VLAN (10 Gigabit)	UCS server host 28 (base node)	RU 9	Rack 2 RU 9	eno6
1/29	Internal VLAN (10 Gigabit)	UCS server host 29 (base node)	RU 8	Rack 2 RU 8	eno6
1/30	Internal VLAN (10 Gigabit)	UCS server host 30 (base node)	RU 7	Rack 2 RU 7	eno6

Leaf 1 Port	Connection Type	Connection			
		Device	RU in Single Rack	RU in Dual Rack	Port
1/31	Internal VLAN (10 Gigabit)	UCS server host 31 (base node)	RU 6	Rack 2 RU 6	eno6
1/32	Internal VLAN (10 Gigabit)	UCS server host 32 (base node)	RU 5	Rack 2 RU 5	eno6
1/33	Internal VLAN (10 Gigabit)	UCS server host 33 (base node)	RU 4	Rack 2 RU 4	eno6
1/34	Internal VLAN (10 Gigabit)	UCS server host 34 (base node)	RU 3	Rack 2 RU 3	eno6
1/35	Internal VLAN (10 Gigabit)	UCS server host 35 (base node)	RU 2	Rack 2 RU 2	eno6
1/36	Internal VLAN (10 Gigabit)	UCS server host 36 (base node)	RU 1	Rack 2 RU 1	eno6
1/37	Public VLAN (10 Gigabit)	UCS server host 33 (base node)	RU 3	Rack 2 RU 3	eno5
1/38	Public VLAN (10 Gigabit)	UCS server host 35 (base node)	RU 1	Rack 2 RU 1	eno5
1/39	Internal VLAN (10 Gigabit)	Customer router 1	—	—	—
1/40	Internal VLAN (10 Gigabit)	Leaf 1	RU 40	Rack 1 RU 40	1/40
1/41	Public VLAN (10 Gigabit)	UCS server host 1 (compute node)	RU 35	Rack 1 RU 16	eno5
1/42	Public VLAN (10 Gigabit)	UCS server host 3 (compute node)	RU 33	Rack 1 RU 14	eno5
1/43	Public VLAN (10 Gigabit)	UCS server host 5 (compute node)	RU 31	Rack 1 RU 12	eno5
1/44	Public VLAN (10 Gigabit)	UCS server host 7 (compute node)	RU 29	Rack 1 RU 10	eno5
1/45	Public VLAN (10 Gigabit)	UCS server host 9 (compute node)	RU 27	Rack 1 RU 8	eno5
1/46	Public VLAN (10 Gigabit)	UCS server host 11 (compute node)	RU 25	Rack 1 RU 6	eno5

Leaf 1 Port	Connection Type	Connection			
		Device	RU in Single Rack	RU in Dual Rack	Port
1/47	Public VLAN (10 Gigabit)	UCS server host 13 (compute node)	RU 23	Rack 1 RU 4	eno5
1/48	Public VLAN (10 Gigabit)	UCS server host 15 (compute node)	RU 21	Rack 1 RU 2	eno5
1/49	Internal VLAN (40 Gigabit)	Spine switch	RU 42	Rack 1 RU 42	1/49
1/50	—	—	—	—	—
1/51	—	—	—	—	—
1/52	—	—	—	—	—
1/53	Internal VLAN (40 Gigabit)	Leaf switch 1	RU 40	Rack 1 RU 40	1/53
1/54	Internal VLAN (40 Gigabit)	Leaf switch 1	RU 40	Rack 1 RU 40	1/54

Table 3: Leaf Switch 2 Connections (RU 41 in Single-Rack Installations or RU 40 in Rack 2 of Dual-Rack Installations)

Leaf 2 Port	Connection Type	Connection			
		Device	RU in Single Rack	RU in Dual Rack	Port
1/1	Internal VLAN (10 Gigabit)	UCS server host 1 (compute node)	RU 36	Rack 1 RU 17	eno8
1/2	Internal VLAN (10 Gigabit)	UCS server host 2 (compute node)	RU 35	Rack 1 RU 16	eno8
1/3	Internal VLAN (10 Gigabit)	UCS server host 3 (compute node)	RU 34	Rack 1 RU 15	eno8
1/4	Internal VLAN (10 Gigabit)	UCS server host 4 (compute node)	RU 33	Rack 1 RU 14	eno8
1/5	Internal VLAN (10 Gigabit)	UCS server host 5 (compute node)	RU 32	Rack 1 RU 13	eno8
1/6	Internal VLAN (10 Gigabit)	UCS server host 6 (compute node)	RU 31	Rack 1 RU 12	eno8

Leaf 2 Port	Connection Type	Connection			
		Device	RU in Single Rack	RU in Dual Rack	Port
1/7	Internal VLAN (10 Gigabit)	UCS server host 7 (compute node7)	RU 30	Rack 1 RU 11	eno8
1/8	Internal VLAN (10 Gigabit)	UCS server host 8 (compute node)	RU 29	Rack 1 RU 10	eno8
1/9	Internal VLAN (10 Gigabit)	UCS server host 9 (compute node)	RU 28	Rack 1 RU 8	eno8
1/10	Internal VLAN (10 Gigabit)	UCS server host 10 (compute node)	RU 27	Rack 1 RU 7	eno8
1/11	Internal VLAN (10 Gigabit)	UCS server host 11 (compute node)	RU 26	Rack 1 RU 6	eno8
1/12	Internal VLAN (10 Gigabit)	UCS server host 12 (compute node)	RU 25	Rack 1 RU 5	eno8
1/13	Internal VLAN (10 Gigabit)	UCS server host 13 (compute node)	RU 24	Rack 1 RU 4	eno8
1/14	Internal VLAN (10 Gigabit)	UCS server host 14 (compute node)	RU 23	Rack 1 RU 3	eno8
1/15	Internal VLAN (10 Gigabit)	UCS server host 15 (compute node)	RU 22	Rack 1 RU 2	eno8
1/16	Internal VLAN (10 Gigabit)	UCS server host 16 (compute node)	RU 21	Rack 1 RU 1	eno8
1/17	Internal VLAN (10 Gigabit)	UCS server host 17 (serving node)	RU 20	Rack 2 RU 21	eno8
1/18	Internal VLAN (10 Gigabit)	UCS server host 18 (serving node)	RU 19	Rack 2 RU 20	eno8
1/19	Internal VLAN (10 Gigabit)	UCS server host 19 (serving node)	RU 18	Rack 2 RU 19	eno8
1/20	Internal VLAN (10 Gigabit)	UCS server host 20 (serving node)	RU 17	Rack 2 RU 18	eno8
1/21	Internal VLAN (10 Gigabit)	UCS server host 21 (serving node)	RU 16	Rack 2 RU 17	eno8
1/22	Internal VLAN (10 Gigabit)	UCS server host 22 (serving node)	RU 15	Rack 2 RU 16	eno8

Leaf 2 Port	Connection Type	Connection			
		Device	RU in Single Rack	RU in Dual Rack	Port
1/23	Internal VLAN (10 Gigabit)	UCS server host 23 (serving node)	RU 14	Rack 2 RU 15	eno8
1/24	Internal VLAN (10 Gigabit)	UCS server host 24 (serving node)	RU 13	Rack 2 RU 14	eno8
1/25	Internal VLAN (10 Gigabit)	UCS server host 25 (base node)	RU 12	Rack 2 RU 12	eno8
1/26	Internal VLAN (10 Gigabit)	UCS server host 26 (base node)	RU 11	Rack 2 RU 11	eno8
1/27	Internal VLAN (10 Gigabit)	UCS server host 27 (base node)	RU 10	Rack 2 RU 10	eno8
1/28	Internal VLAN (10 Gigabit)	UCS server host 28 (base node)	RU 9	Rack 2 RU 9	eno8
1/29	Internal VLAN (10 Gigabit)	UCS server host 29 (base node)	RU 8	Rack 2 RU 8	eno8
1/30	Internal VLAN (10 Gigabit)	UCS server host 30 (base node)	RU 7	Rack 2 RU 7	eno8
1/31	Internal VLAN (10 Gigabit)	UCS server host 31 (base node)	RU 6	Rack 2 RU 6	eno8
1/32	Internal VLAN (10 Gigabit)	UCS server host 32 (base node)	RU 5	Rack 2 RU 5	eno8
1/33	Internal VLAN (10 Gigabit)	UCS server host 33 (base node)	RU 4	Rack 2 RU 4	eno8
1/34	Internal VLAN (10 Gigabit)	UCS server host 34 (base node)	RU 3	Rack 2 RU 3	eno8
1/35	Internal VLAN (10 Gigabit)	UCS server host 35 (base node)	RU 2	Rack 2 RU 2	eno8
1/36	Internal VLAN (10 Gigabit)	UCS server host 36 (base node)	RU 1	Rack 2 RU 1	eno8
1/37	Public VLAN (10 Gigabit)	UCS server host 34 (base node)	RU 4	Rack 2 RU 8	eno5
1/38	Public VLAN (10 Gigabit)	UCS server host 36 (base node)	RU 2	Rack 2 RU 6	eno5
1/39	Internal VLAN (10 Gigabit)	Customer router 1	—	—	—

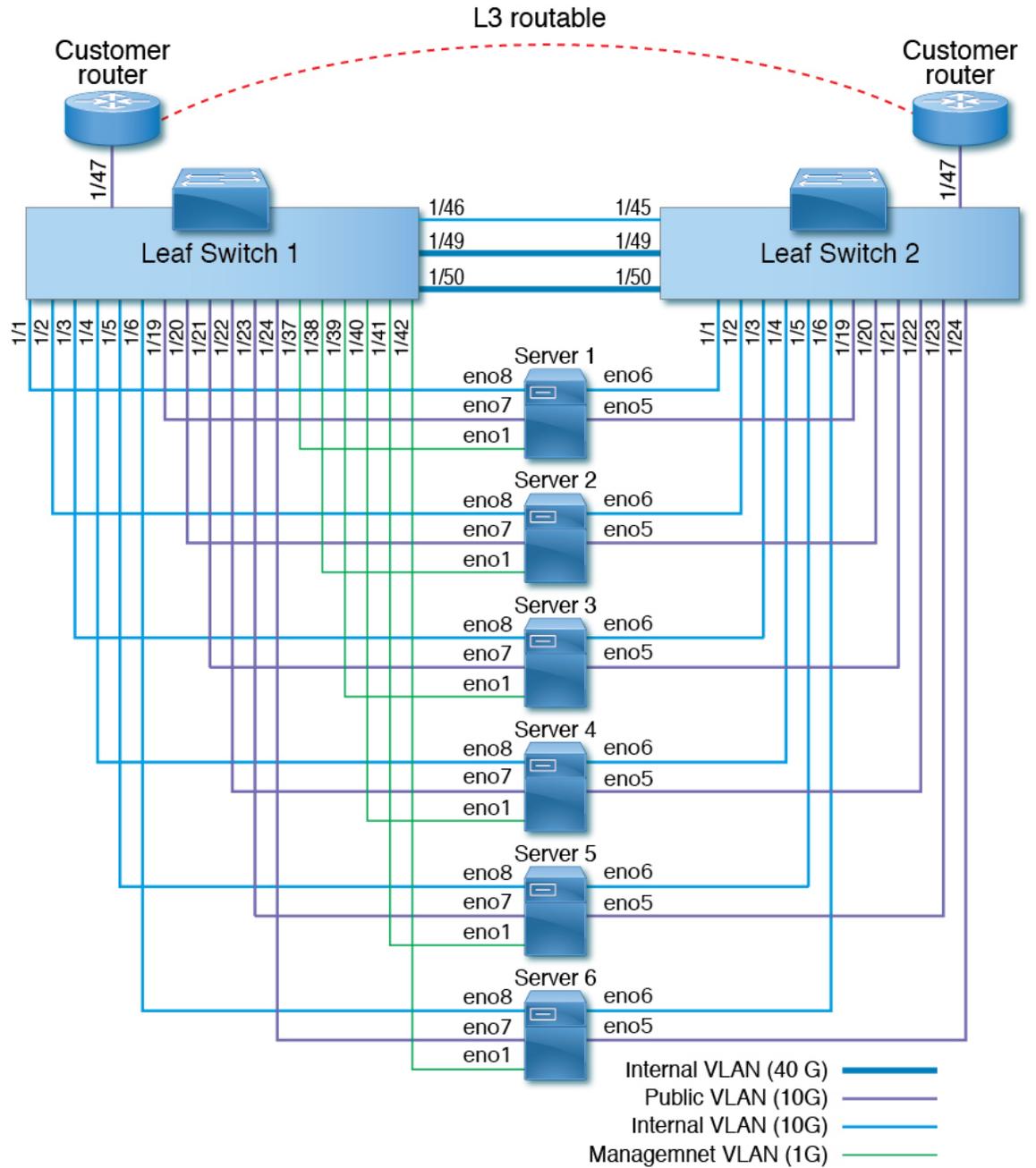| Leaf 2 Port	Connection Type	Connection			
		Device	RU in Single Rack	RU in Dual Rack	Port
1/40	Internal VLAN (10 Gigabit)	Leaf switch 2	RU 41	Rack 2 RU 40	1/40
1/41	Public VLAN (10 Gigabit)	UCS server host 2 (compute node)	RU 36	Rack 1 RU 17	eno5
1/42	Public VLAN (10 Gigabit)	UCS server host 4 (compute node)	RU 34	Rack 1 RU 15	eno5
1/43	Public VLAN (10 Gigabit)	UCS server host 6 (compute node)	RU 32	Rack 1 RU 13	eno5
1/44	Public VLAN (10 Gigabit)	UCS server host 8 (compute node)	RU 30	Rack 1 RU 11	eno5
1/45	Public VLAN (10 Gigabit)	UCS server host 10 (compute node)	RU 28	Rack 1 RU 9	eno5
1/46	Public VLAN (10 Gigabit)	UCS server host 12 (compute node)	RU 26	Rack 1 RU 7	eno5
1/47	Public VLAN (10 Gigabit)	UCS server host 14 (compute node)	RU 24	Rack 1 RU 5	eno5
1/48	Public VLAN (10 Gigabit)	UCS server host 16 (compute node)	RU 22	Rack 1 RU 3	eno5
1/49	Internal VLAN (40 Gigabit)	Spine switch	RU 42	Rack 1 RU 42	—
1/50	—	—	—	—	1/50
1/51	—	—	—	—	—
1/52	—	—	—	—	—
1/53	Internal VLAN (40 Gigabit)	Leaf 1 switch	RU 40	Rack 1 RU 40	1/49
1/54	Internal VLAN (40 Gigabit)	Leaf 2 switch	RU 41	Rack 2 RU 40	1/50

C1-Workload-M Cluster Device Cabling

To cable the M6 VIC on the 8-RU rack, pay attention to the following configuration information:

- There are two private interfaces for all nodes.

- The 8-RU rack has two public interfaces for all six nodes.

- The M6 hardware has four ports per VIC.

- The names for the bare metal interface—the physical server in the cluster known as the universal nodes—begin with "eno" (Ethernet onboard).

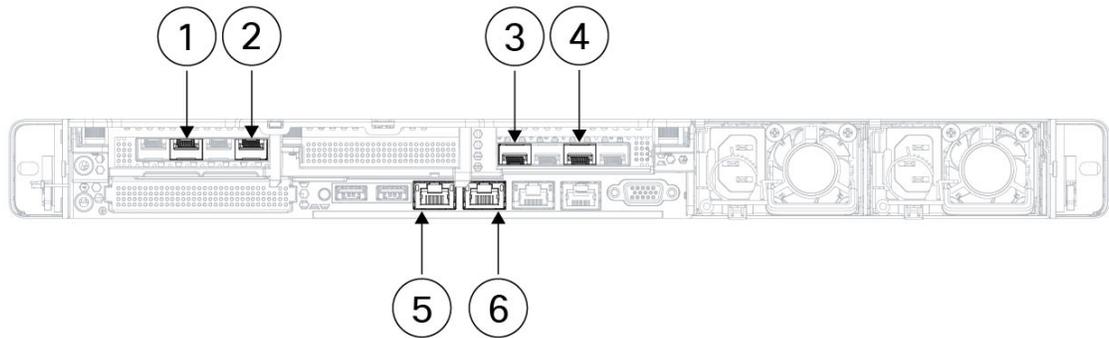The following diagram shows the device cabling for the internal/management/public/external configuration of the C1-Workload-M Cluster 8-RU rack. For a detailed list of the connections, see the tables that follow the diagram.

Figure 4: C1-Workload-M Cluster Rack Device Cabling (Internal/Management/Public/External)

The following figure shows which ports on the server correspond to the "eno" ports in the diagram above:

Figure 5: M6 Server Ports

1	Leaf 2 public	2	Leaf 2 private
	Server interface port = eno5		Server interface port = eno6
	CIMC designation = adapter 1/physical port 2/vic-1-eth1		CIMC designation = adapter 1/physical port 0/vic-1-eth0
3	Leaf 1 private	4	Leaf 1 public
	Server interface port = eno8		Server interface port = eno7
	CIMC designation = adapter 3/physical port 0/vic-3-eth0		CIMC designation = adapter 3/physical port 2/vic3-eth1
5	CIMC	6	MGMT 2.2.2.2
	Server interface port = eno1		Server interface port = eno2
	CIMC designation = LOM 1		CIMC designation = LOM 2

Table 4: Leaf Switch 1 (RU 12) Connections

Leaf Port	Connection Type	Connection		
		Device	RU in Single Rack	Port
1/1	Internal VLAN (10 Gigabit)	UCS server host 1 (universal node)	RU 9	eno8
1/2	Internal VLAN (10 Gigabit)	UCS server host 2 (universal node)	RU 8	eno8
1/3	Internal VLAN (10 Gigabit)	UCS server host 3 (universal node)	RU 6	eno8
1/4	Internal VLAN (10 Gigabit)	UCS server host 4 (universal node)	RU 5	eno8
1/5	Internal VLAN (10 Gigabit)	UCS server host 5 (universal node)	RU 3	eno8
1/6	Internal VLAN (10 Gigabit)	UCS server host 6 (universal node)	RU 2	eno8
1/7	—	—	—	—
1/8	—	—	—	—

Leaf Port	Connection Type	Connection		
		Device	**RU in Single Rack**	**Port**
1/9	—	—	—	—
1/10	—	—	—	—
1/11	—	—	—	—
1/12	—	—	—	—
1/13	—	—	—	—
1/14	—	—	—	—
1/15	—	—	—	——
1/16	—	—	—	—
1/17	—	—	—	—
1/18	—	—	—	—
1/19	External VLAN (10 Gigabit)	UCS server host 1 (universal node)	RU 9	eno7
1/20	External VLAN (10 Gigabit)	UCS server host 2 (universal node)	RU 8	eno7
1/21	External VLAN (10 Gigabit)	UCS server host 3 (universal node)	RU 6	eno7
1/22	External VLAN (10 Gigabit)	UCS server host 4 (universal node)	RU 5	eno7
1/23	External VLAN (10 Gigabit)	UCS server host 5 (universal node)	RU 3	eno7
1/24	External VLAN (10 Gigabit)	UCS server host 6 (universal node)	RU 2	eno7
1/25	—	—	—	—
1/26	—	—	—	—
1/27	—	—	—	—
1/28	—	—	—	—
1/29	—	—	—	—
1/30	—	—	—	—
1/31	—	—	—	—
1/32	—	—	—	—
1/33	—	—	—	—

Leaf Port	Connection Type	Connection		
		Device	**RU in Single Rack**	**Port**
1/34	—	—	—	—
1/35	—	—	—	—
1/36	—	—	—	—
1/37	Management VLAN (1 Gigabit)	UCS server host 1 (universal node)	RU 9	eno1
1/38	Management VLAN (1 Gigabit)	UCS server host 2 (universal node)	RU 8	eno1
1/39	Management VLAN (1 Gigabit)	UCS server host 3 (universal node)	RU 6	eno1
1/40	Management VLAN (1 Gigabit)	UCS server host 4 (universal node)	RU 5	eno1
1/41	Management VLAN (1 Gigabit)	UCS server host 5 (universal node)	RU 3	eno1
1/42	Management VLAN (1 Gigabit)	UCS server host 6 (universal node)	RU 2	eno1
1/43	—	—	—	—
1/44	—	—	—	—
1/45	—	–	—	—
1/46	Internal VLAN (10 Gigabit)	Leaf 2 switch	RU 11	1/45
1/47	External VLAN (10 Gigabit)	Customer router	—	—
1/48	—	—	—	—
1/49	Internal VLAN (40 Gigabit)	Leaf 2 switch	RU 11	1/49
1/50	Internal VLAN (40 Gigabit)	Leaf 2 switch	RU 11	1/50
1/51	—	—	—	—
1/52	—	—	—	—
1/53	—	—	—	—
1/54	—	—	—	—

Table 5: Leaf Switch 2 (RU 11) Connections

Leaf Port	Connection Type	Connection		
		Device	RU in Single Rack	Port
1/1	Internal VLAN (10 Gigabit)	UCS server host 1 (universal node)	9 RU	eno6
1/2	Internal VLAN (10 Gigabit)	UCS server host 2 (universal node)	8 RU	eno6
1/3	Internal VLAN (10 Gigabit)	UCS server host 3 (universal node)	6 RU	eno6
1/4	Internal VLAN (10 Gigabit)	UCS server host 4 (universal node)	5 RU	eno6
1/5	Internal VLAN (10 Gigabit)	UCS server host 5 (universal node)	3 RU	eno6
1/6	Internal VLAN (10 Gigabit)	UCS server host 6 (universal node)	2 RU	eno6
1/7	—	—	—	—
1/8	—	—	—	—
1/9	—	—	—	—
1/10	—	—	—	—
1/11	—	—	—	—
1/12	—	—	—	—
1/13	—	—	—	—
1/14	—	—	—	—
1/15	—	—	—	—
1/16	—	—	—	—
1/17	—	—	—	—
1/18	—	—	—	—
1/19	External VLAN (10 Gigabit)	UCS server host 1 (universal node)	9 RU	eno5
1/20	External VLAN (10 Gigabit)	UCS server host 2 (universal node)	8 RU	eno5
1/21	External VLAN (10 Gb)	UCS server host 3 (universal node)	6 RU	eno5
1/22	External VLAN (10 Gigabit)	UCS server host 4 (universal node)	5 RU	eno5
1/23	External VLAN (10 Gigabit)	UCS server host 5 (universal node)	3 RU	eno5
1/24	External VLAN (10 Gigabit)	UCS server host 6 (universal node)	2 RU	eno5
1/25	—	—	—	—

Leaf Port	Connection Type	Connection		
		Device	**RU in Single Rack**	**Port**
1/26	—	—	—	—
1/27	—	—	—	—
1/28	—	—	—	—
1/29	—	—	—	—
1/30	—	—	—	—
1/31	—	—	—	—
1/32	—	—	—	—
1/33	—	—	—	—
1/34	—	—	—	—
1/35	—	—	—	—
1/36	—	—	—	—
1/37	—	—	—	—
1/38	—	—	—	—
1/39	—	—	—	—
1/40	—	—	—	—
1/41	—	—	—	—
1/42	—	—	—	—
1/43	—	—	—	—
1/44	—	—	—	—
1/45	Internal VLAN (10 Gigabit)	Leaf 1 switch	12 RU	1/46
1/46	—	—	—	—
1/47	External VLAN (10 Gigabit)	Customer router	—	—
1/48	—	—	—	—
1/49	Internal VLAN (40 Gigabit)	Leaf 1 switch	12 RU	1/49
1/50	Internal VLAN (40 Gigabit)	Leaf 1 switch	12 RU	1/50
1/51	—	—	—	—

Leaf Port	Connection Type	Connection		
		Device	**RU in Single Rack**	**Port**
1/52	—	—	—	—
1/53	—	—	—	—
1/54	—	—	—	—