CDS Tech Brief

Specifications for CDS Generation 4 Node

The specifications are in CDS Generation 4 Physical Specifications, Ratings and Requirements below. Use the "minimum configuration" and "maximum configuration" settings to define the range within which Actifio nodes operate.

The node with more processing power is the primary node; the other is the secondary node. There are no physical identification stickers on the chassis themselves to identify which is which, but the SKU on the outside of the shipping carton includes "PRI" or "SEC" to identify the primary and secondary nodes.
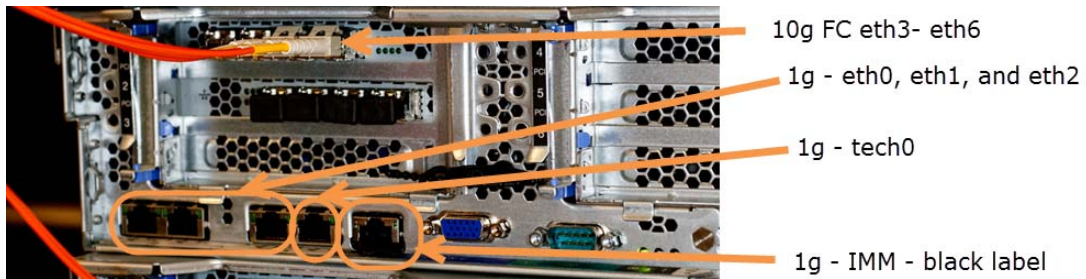
A system based on a pair of CDS Generation 4 nodes can handle a dedup pool of up to 127 TB.

CDS Generation 4 Physical Specifications, Ratings and Requirements

Dimension or Rating	Value
Weight (per node)	Minimum configuration: 25 kg (55 lb) to not more than 30 kg (65 lb) maximum
Dimensions (per node)	Height: 86.5 mm (3.4 in) 2U Width: 445 mm (17.5 in) Depth: 746 mm (29.4 in)
Operating Environment Electrical Power	Voltage Range: 100–240V AC Frequency: 50–60 Hz
Maximum Power	100 to 127 (nominal) VAC: 50 Hz or 60 Hz; 8.9 A 200 to 240 (nominal) VAC: 50 Hz or 60 Hz; 4.5 A
Heat Output	Minimum configuration: 1230 Btu/hr (90 watts) Maximum configuration: 3480 Btu/hr (780 watts)
Operating Temperature	10 to 35° C (50 to 95° F) altitude: 0 to 914 m (3,000 ft)
Operating Humidity	Server on: 8 to 80%, maximum dew point 24° C, maximum rate of change 5° C/hr

CDS Generation 4 Node Ports and Capacities

	CPUs	RAM	Ethernet Ports	Drives
Primary node (VDP)	2 x 8 core Intel® Xeon® CPU E5-2650 v2 @ 2.60GHz	168GB	3 x 1G 1 x 100Mbps IMM 4 x 10G Fibre Channel	2 x 300GB (Boot) 2 800GB SSDs (Dedup) Software RAID
Secondary node (CLU)	1 x 8 core Intel® Xeon® CPU E5-2650 v2 @ 2.60GHz	32GB	2 x 1G 1 x 100Mbps IMM 4 x 10G Fibre Channel	2 x 300GB (Boot) Software RAID

10g FC eth3- eth6
1g - eth0, eth1, and eth2
1g - tech0
1g - IMM - black label

Actifio Primary Node (VDP) Generation 4 Ethernet Ports

Explanation of image: 1Gbps ports 1-3 are on the bottom, (L-R) port 1=Eth0, port 2=Eth1, port3=Eth2, Tech Port (IBM), IMM Port. 10Gbps ports are on the expansion card in slot 2 with protective covers in place and are numbered (L-R) port 4=Eth3 (10gb), port 5=Eth4 (10gb), port 6=Eth5 (10gb), and port 7=Eth6 (10gb).

Note: *The rear panel has five Ethernet ports and one VGA port. The fifth port with the black label is the dedicated IMM2 port.*