VAST As-Built Report

Customer Deployment Documentation

Cluster: selab-var-204
Version: 5.3.1.1.10603406698381149702
PSNT: selab-var-204

Generated on: October 04, 2025 at 07:37 AM

Table of Contents

Executive Summary

Cluster Overview

Function	Status
ID	1
Name	selab-var-204
Management VIP	10.143.11.204
URL	https://10.143.11.204/api/v7/clusters/1
Build	release-5.3.1-sp3-1898015
PSNT	selab-var-204
GUID	127db70c-0197-5f4f-8af8-44bead61cda2
Uptime	16 days, 16:03:01.528062
Online Since	2025-09-17T22:34:29.502591Z
Deployed	2025-08-07T18:57:44.259621Z

Hardware Summary

Function	Status
Total Nodes	5
CNodes	3
DNodes	2
Rack Positions	Available

Cluster Information

Cluster Name: selab-var-204

Function	Status
State	ONLINE
SSD RAID State	HEALTHY
NVRAM RAID State	HEALTHY
Memory RAID State	HEALTHY
Leader State	UP
Leader CNode	cnode-3-11
Management CNode	cnode-3-12
Management Inner VIP	172.16.4.204
Management Inner VIP CNode	cnode-3-11
Enabled	Yes
Similarity Enabled	Yes
Deduplication Active	Unknown
Write-Back RAID Enabled	Yes
Write-Back RAID Layout	DATA_6_PARITY_2
DBox HA Support	No
Rack Level Resiliency	No
Metrics Disabled	No

Hardware Inventory

Summary: 5 total nodes
Rack Positioning: Available

Storage Capacity

Metric	Value
Usable Capacity	223 TB
Free Usable Capacity	38 TB
Data Reduction Ratio (DRR)	1.6:1
Physical Space	282 TB
Physical Space In Use	233 TB
Free Physical Space	49 TB
Physical Space In Use %	83%
Logical Space	348 TB
Logical Space In Use	287 TB
Free Logical Space	60 TB
Logical Space In Use %	82%

CNodes Inventory

ID	Model	Serial Number	Status	Rack Height (
6	supermicro_gen5_cbox two dual-port NICs	S929986X5306758	ACTIVE	U25
2	supermicro_gen5_cbox two dual-port NICs	S929986X5306720	ACTIVE	U24
3	supermicro_gen5_cbox two dual-port NICs	S929986X5306437	ACTIVE	U23

DNodes Inventory

ID	Model	Serial Number	Status	Rack Height (

1	dbox-515-25042300200055	C15-25042300200017	ACTIVE	U18
2	dbox-515-25042300200055	C15-25042300200021	ACTIVE	U18

Physical Rack Layout

Visual representation of hardware positioning in the rack with U-number assignments.

[Physical Rack Layout Diagram Placeholder]

Network Configuration

DNS Configuration:

• Enabled: True

VIP Pools: 35 pools configured

Cluster Network Configuration:

• Management VIPs: Not Configured

• External Gateways: Not Configured

• DNS Server: Not Configured

• NTP Server: Not Configured

• External Netmask: Not Configured

• Auto Ports External Interface: Not Configured

• B2B IPMI: Not Configured

• IPMI Gateway: Not Configured

• IPMI Netmask: Not Configured

• Ethernet MTU: Not Configured

• InfiniBand MTU: Not Configured

Cluster Network Configuration

- Management VIPs: Not Configured

- External Gateways: Not Configured

- DNS Servers: Not Configured

- NTP Servers: Not Configured

- External Netmask: Not Configured

- Auto Ports External Interface: Not Configured

- B2B IPMI: False

- Ethernet MTU: Not Configured

- InfiniBand MTU: Not Configured

- IPMI Gateway: Not Configured

- IPMI Netmask: Not Configured

CNodes Network Configuration

Total CNodes: 3

ID	Hostname	Mgmt IP	IPMI IP	Box Vendor	VAST OS	VMS Host	TSM Support	Single NIC	Net Type
8	se-az-arrow-cb4-cn-1	10.143.11.81	10.143.11.82	supermicro_gen5_cbox, two dual...	12.14.19-1809895	No	No	No	eth
2	se-az-arrow-cb4-cn-2	10.143.11.83	10.143.11.84	supermicro_gen5_cbox, two dual...	12.14.15-1791040	No	No	No	eth
1	se-az-arrow-cb4-cn-3	10.143.11.85	10.143.11.86	supermicro_gen5_cbox, two dual...	12.12.15-1440723	Yes	No	No	eth

DNodes Network Configuration

Total DNodes: 2

ID	Hostname	Mgmt IP	IPMI IP	Box Vendor	VAST OS	Position	Ceres	Ceres v2	Net Type
4	se-az-arrow-db4-dn-1	10.143.11.41	10.143.11.42	BlueField, SoC PCIe Bridge	12.14.15-1791040	right	Yes	Yes	eth
5	se-az-arrow-db4-dn-2	10.143.11.43	10.143.11.44	BlueField, SoC PCIe Bridge	12.14.15-1791040	left	Yes	Yes	eth

Logical Configuration

Tenants: 20 tenants configured

Views: 274 views configured

View Policies: 115 policies configured

Security & Authentication

Active Directory:

• Enabled: True

• Domain: Unknown

Encryption Configuration:

• Encryption Enabled: False

• Encryption Type: INTERNAL

• S3 AES Ciphers Only: Not Configured

• EKM Servers: Not Configured

• EKM Address: Not Configured

• EKM Port: 5696

• EKM Auth Domain: Not Configured

• Secondary EKM Address: Not Configured

• Secondary EKM Port: 5696

Data Protection

Protection Policies: 20 policies configured

Enhanced Features

Rack Positioning:

• Supported: Yes

• Automated U-number generation for hardware positioning

• Physical rack layout visualization available

PSNT Tracking:

• Supported: Yes

• Cluster Product Serial Number available for support tracking

• PSNT: selab-var-204

Appendix

Report Generation Information:

• Generated on: 2025-10-04T07:37:44.291762

• Data completeness: 4311.2%

• API version: v7

• Cluster version: 5.3.1.1.10603406698381149702

Physical Rack Layout:

• Occupied positions: 4

• Position range: U18 - U25

• Total CNodes: 3

• Total DNodes: 2