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 08:55 AM

Table of Contents

Executive Summary

Cluster Overview

Description	Value
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, 17:20:54.506642
Online Since	2025-09-17T22:34:29.502591Z
Deployed	2025-08-07T18:57:44.259621Z

Hardware Overview

Description	Value
Total Nodes	5
CNodes	3
DNodes	2
CBoxes	0
DBoxes	0
Switches	0

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 Summary

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%

CBox Inventory (Compute)

ID	Model	Serial Number	Status	Position

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DBox Inventory (Data)

ID	Model	Serial Number	Status	Position
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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	TPM 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: 19 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: 2025-10-04T08:55:37.286084

• 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