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 02:03 AM

Table of Contents

Executive Summary

Cluster Overview:
- 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, 10:28:44.530119
- Online Since: 2025-09-17T22:34:29.502591Z
- Deployed: 2025-08-07T18:57:44.259621Z

Hardware Summary:
- 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	222.867 TB
Free Usable Capacity	38.560 TB
Data Reduction Ratio (DRR)	1.6:1
Physical Space	282.095 TB
Physical Space In Use	232.967 TB
Free Physical Space	49.128 TB
Physical Space In Use %	82.58%
Logical Space	347.757 TB
Logical Space In Use	286.486 TB
Free Logical Space	60.168 TB
Logical Space In Use %	82.38%

CNodes Inventory

ID	Model	Serial Number	Status	Rack Height (U)
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 (U)
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:

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: 2025-10-04T02:03:24.641551

• Data completeness: 5584.5%

• 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