VAST As-Built Report

Customer Deployment Documentation

Cluster: selab-var-204
PSNT: selab-var-204
Release: release-5.3.1-sp3-1898015
Management IP: 10.143.11.204

CBox Hardware: supermicro_gen5_cbox, two dual-port NICs
CBox Quantity: 3
DBox Hardware: ceres_v2
DBox Quantity: 1

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	8 days, 11:17:11.966681
Online Since	2025-10-08T01:02:57.509200Z
Deployed	2025-08-07T18:57:44.259621Z

Hardware Overview

Description	Value
CBoxes	3
CNodes	3
DBoxes	1
DNodes	2
Switches	0
Leaf	0
Spine	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-3-11
Management Inner VIP	172.16.4.204
Management Inner VIP CNode	cnode-3-10
Enabled	Yes
Similarity Enabled	No
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	245 TB
Free Usable Capacity	67 TB
Data Reduction Ratio (DRR)	1.6:1
Physical Space	310 TB
Physical Space In Use	225 TB
Free Physical Space	85 TB
Physical Space In Use %	72%
Logical Space	391 TB
Logical Space In Use	286 TB
Free Logical Space	107 TB
Logical Space In Use %	73%

CBox Inventory (Compute)

ID	Model	Name/Serial Number	Status	Position
1	supermicro_gen5_cbox, two dual-port NICs	cbox-S929986X5306437	ACTIVE	U23
3	supermicro_gen5_cbox, two dual-port NICs	cbox-S929986X5306720	ACTIVE	U24
4	supermicro_gen5_cbox, two dual-port NICs	cbox-S929986X5306758	ACTIVE	U25

DBox Inventory (Data)

ID	Model	Name/SN	Status	Position
1	ceres_v2	dbox-515-25042300200055	ACTIVE	U18

Physical Rack Layout

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

[Physical Rack Layout Diagram Placeholder]

Network Configuration

Setting	Value
Management VIPs	10.143.11.204
External Gateways	10.143.254.254
DNS Servers	10.140.3.248
NTP Servers	10.140.0.17
External Netmask	255.255.0.0
Auto Ports Ext Interface	outband
Ethernet MTU	9000
InfiniBand MTU	65520
IPMI Gateway	10.143.254.254
IPMI Netmask	255.255.0.0
B2B IPMI	False

CBox Network Configuration

ID	Hostname	Mgmt IP	IPMI IP	VAST OS	VMS Host
8	se-az-arrow-cb4-cn-1	10.143.11.81	10.143.11.82	12.14.19-1809895	False
2	se-az-arrow-cb4-cn-2	10.143.11.83	10.143.11.84	12.14.15-1791040	True
1	se-az-arrow-cb4-cn-3	10.143.11.85	10.143.11.86	12.12.15-1440723	False

DBox Network Configuration

ID	Hostname	Mgmt IP	IPMI IP	VAST OS	Position
4	se-az-arrow-db4-dn-1	10.143.11.41	10.143.11.42	12.14.15-1791040	right
5	se-az-arrow-db4-dn-2	10.143.11.43	10.143.11.44	12.14.15-1791040	left

Network Services

VIP Pools: 40 pools configured

Logical Configuration

Tenants: 20 tenants configured

Views: 312 views configured

View Policies: 119 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: 2025-10-16T05:20:21.699084

• Data completeness: 84.1%

• 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