

# 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 01:42 AM



VAST Professional Services | Automated As-Built Documentation

Generated: 2025-10-04 01:42:05 | Data Completeness: 5584.5%

## **Table of Contents**

1. Executive Summary
2. Cluster Information
3. Hardware Inventory
4. Network Configuration
5. Logical Configuration
6. Security & Authentication
7. Data Protection
8. Enhanced Features
9. Appendix



## 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, 10:07:26.201042
- 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	222.868 TB
Free Usable Capacity	38.567 TB
Data Reduction Ratio (DRR)	1.6:1
Physical Space	282.095 TB
Physical Space In Use	232.958 TB
Free Physical Space	49.137 TB
Physical Space In Use %	82.58%
Logical Space	347.770 TB
Logical Space In Use	286.484 TB
Free Logical Space	60.182 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	dbbox-515-25042300200055	C15-25042300200017	ACTIVE	U18
2	dbbox-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:

## 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: 2025-10-04T01:42:05.650970
- 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