

VAST As-Built Report

Customer Deployment Documentation

Cluster: selab-var-204

Version: 5.3.1.1.10603406698381149702

PSNT: selab-var-204

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VAST Professional Services | Automated As-Built Documentation

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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, 15:21:55.826806
- 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	38.108 TB
Data Reduction Ratio (DRR)	1.6:1
Physical Space	282.095 TB
Physical Space In Use	233.541 TB
Free Physical Space	48.554 TB
Physical Space In Use %	82.79%
Logical Space	347.385 TB
Logical Space In Use	286.646 TB
Free Logical Space	59.395 TB
Logical Space In Use %	82.52%

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:

- 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 Typ
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: 2025-10-04T06:56:41.244813
- 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