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 08:45 AM

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Executive Summary

Cluster Overview

	Description		Value	
	ID	<f< td=""><td>ont color="Color(.203922,.227451,.25098,1)">1<td>></td></td></f<>	ont color="Color(.203922,.227451,.25098,1)"> 1 <td>></td>	>
	Name	<font co<="" td=""><td>or="Color(.203922,.227451,.25098,1)">selab-var-204<td>></td></td>	or="Color(.203922,.227451,.25098,1)"> selab-var-204<td>></td>	>
	Management VIP	<font col<="" td=""><td>or="Color(.203922,.227451,.25098,1)">10.143.11.204<td>></td></td>	or="Color(.203922,.227451,.25098,1)"> 10.143.11.204<td>></td>	>
	URL	<font color="Color(.2</td><td>03922,.227451,.25098,1)">https://10.143.11.204/api/v7/c	lusters	
	Build	<font color="Co</td><td>olor(.203922,.227451,.25098,1)">release-5.3.1-sp3-18980)15	
	PSNT	<font co<="" td=""><td>or="Color(.203922,.227451,.25098,1)">selab-var-204<td>></td></td>	or="Color(.203922,.227451,.25098,1)"> selab-var-204<td>></td>	>
	GUID	<font color="Color(.20</td><td>3922,.227451,.25098,1)">127db70c-0197-5f4f-8af8-44be	ad61d	
<font< td=""><td>color="Color(.203922,.227451,.25098,</td><td>1)">Upriima#/ob>"©</td><td>ฒort∕⊱203922,.227451,.25098,1)">16 days, 17:11:03.9768</td><td>27</td></font<>	color="Color(.203922,.227451,.25098,	1)"> Upriima#/ob>"©	ฒort ∕⊱203922,.227451,.25098,1)"> 16 days, 17:11:03.9768	27
font co	lor="Color(.203922,.227451,.25098,1)"	> Johne Sione	r¢/ 20039 22,.227451,.25098,1)"> 2025-09-17T22:34:29.502	591Z<
	Deployed	<font color="Colo</td><td>r(.203922,.227451,.25098,1)">2025-08-07T18:57:44.259	621Z<	

Hardware Overview

Description	Value			
Total Nodes	<f< td=""><td>ont color="Color(.203922,.227451,.25098,1)">5</td></f<>	ont color="Color(.203922,.227451,.25098,1)"> 5		
CNodes	<f< td=""><td>ont color="Color(.203922,.227451,.25098,1)">3</td></f<>	ont color="Color(.203922,.227451,.25098,1)"> 3		
DNodes	<f< td=""><td>ont color="Color(.203922,.227451,.25098,1)">2</td></f<>	ont color="Color(.203922,.227451,.25098,1)"> 2		
CBoxes	<f< td=""><td>ont color="Color(.203922,.227451,.25098,1)">0</td></f<>	ont color="Color(.203922,.227451,.25098,1)"> 0		
DBoxes	<f< td=""><td>ont color="Color(.203922,.227451,.25098,1)">0</td></f<>	ont color="Color(.203922,.227451,.25098,1)"> 0		
Switches	<f< td=""><td>ont color="Color(.203922,.227451,.25098,1)">0</td></f<>	ont color="Color(.203922,.227451,.25098,1)"> 0		

Cluster Information

Cluster Name: selab-var-204

	Function		Status	
	State	<font< td=""><td>color="Color(.105882,.639216,.819608,1)">ONLINE<</td><td>/font></td></font<>	color="Color(.105882,.639216,.819608,1)"> ONLINE <	/font>
	SSD RAID State	<font c<="" td=""><td>olor="Color(.023529,.839216,.623529,1)">HEALTHY</td><td></td>	olor="Color(.023529,.839216,.623529,1)"> HEALTHY	
	NVRAM RAID State	<font c<="" td=""><td>olor="Color(.023529,.839216,.623529,1)">HEALTHY</td><td></td>	olor="Color(.023529,.839216,.623529,1)"> HEALTHY	
	Memory RAID State	<font c<="" td=""><td>olor="Color(.023529,.839216,.623529,1)">HEALTHY</td><td></td>	olor="Color(.023529,.839216,.623529,1)"> HEALTHY	
	Leader State	<fo< td=""><td>nt color="Color(.105882,.639216,.819608,1)">UP<td>nt></td></td></fo<>	nt color="Color(.105882,.639216,.819608,1)"> UP <td>nt></td>	nt>
	Leader CNode	<font o<="" td=""><td>olor="Color(.203922,.227451,.25098,1)">cnode-3-11</td><td></td>	olor="Color(.203922,.227451,.25098,1)"> cnode-3-11	
	Management CNode	<font c<="" td=""><td>olor="Color(.203922,.227451,.25098,1)">cnode-3-12</td><td></td>	olor="Color(.203922,.227451,.25098,1)"> cnode-3-12	
	Management Inner VIP	<font co<="" td=""><td>lor="Color(.203922,.227451,.25098,1)">172.16.4.204</td><td>></td>	lor="Color(.203922,.227451,.25098,1)"> 172.16.4.204	>
	Management Inner VIP CNode	<font c<="" td=""><td>olor="Color(.203922,.227451,.25098,1)">cnode-3-11</td><td></td>	olor="Color(.203922,.227451,.25098,1)"> cnode-3-11	
	Enabled	<fc< td=""><td>nt color="Color(.203922,.227451,.25098,1)">Yes<td>nt></td></td></fc<>	nt color="Color(.203922,.227451,.25098,1)"> Yes <td>nt></td>	nt>
	Similarity Enabled	<fc< td=""><td>nt color="Color(.203922,.227451,.25098,1)">Yes<td>nt></td></td></fc<>	nt color="Color(.203922,.227451,.25098,1)"> Yes <td>nt></td>	nt>
color=	"Color(.203922,.227451,.25098,1)"> Dedupli	cation Atolivte	ು/bor=//iônte r(.203922,.227451,.25098,1)"> Unknown <	/font>
	Write-Back RAID Enabled	<fc< td=""><td>nt color="Color(.203922,.227451,.25098,1)">Yes<td>nt></td></td></fc<>	nt color="Color(.203922,.227451,.25098,1)"> Yes <td>nt></td>	nt>
	Write-Back RAID Layout	<font color="</td"><td>"Color(.203922,.227451,.25098,1)">DATA_6_PARITY_2</td><td><</td>	"Color(.203922,.227451,.25098,1)"> DATA_6_PARITY_2	<
nt colo	="Color(.203922,.227451,.25098,1)"> DBox	HA Supportfe	/b⊳edlon t∜Color(.203922,.227451,.25098,1)"> No <td>nt></td>	nt>
	Rack Level Resiliency	<f0< td=""><td>ont color="Color(.203922,.227451,.25098,1)">No<td>nt></td></td></f0<>	ont color="Color(.203922,.227451,.25098,1)"> No <td>nt></td>	nt>
	Metrics Disabled	<f0< td=""><td>ont color="Color(.203922,.227451,.25098,1)">No<td>nt></td></td></f0<>	ont color="Color(.203922,.227451,.25098,1)"> No <td>nt></td>	nt>

Hardware Summary

Storage Capacity

Metric		Value
Usable Capacity	<font< td=""><td>color="Color(.203922,.227451,.25098,1)">223 TB</td></font<>	color="Color(.203922,.227451,.25098,1)"> 223 TB
Free Usable Capacity	<fon< td=""><td>t color="Color(.203922,.227451,.25098,1)">38 TB</td></fon<>	t color="Color(.203922,.227451,.25098,1)"> 38 TB
Data Reduction Ratio (DRR)	<for< td=""><td>nt color="Color(.203922,.227451,.25098,1)">1.6:1</td></for<>	nt color="Color(.203922,.227451,.25098,1)"> 1.6:1
Physical Space	<font< td=""><td>color="Color(.203922,.227451,.25098,1)">282 TB</td></font<>	color="Color(.203922,.227451,.25098,1)"> 282 TB
Physical Space In Use	<font< td=""><td>color="Color(.203922,.227451,.25098,1)">233 TB</td></font<>	color="Color(.203922,.227451,.25098,1)"> 233 TB
Free Physical Space	<fon< td=""><td>t color="Color(.203922,.227451,.25098,1)">49 TB</td></fon<>	t color="Color(.203922,.227451,.25098,1)"> 49 TB
Physical Space In Use %	<fo< td=""><td>nt color="Color(.203922,.227451,.25098,1)">83%</td></fo<>	nt color="Color(.203922,.227451,.25098,1)"> 83%
Logical Space	<font< td=""><td>color="Color(.203922,.227451,.25098,1)">348 TB</td></font<>	color="Color(.203922,.227451,.25098,1)"> 348 TB
Logical Space In Use	<font< td=""><td>color="Color(.203922,.227451,.25098,1)">287 TB</td></font<>	color="Color(.203922,.227451,.25098,1)"> 287 TB
Free Logical Space	<fon< td=""><td>t color="Color(.203922,.227451,.25098,1)">60 TB</td></fon<>	t color="Color(.203922,.227451,.25098,1)"> 60 TB
Logical Space In Use %	<fo< td=""><td>nt color="Color(.203922,.227451,.25098,1)">82%</td></fo<>	nt color="Color(.203922,.227451,.25098,1)"> 82%

CBox Inventory (Compute)

ID	Model	Serial Number	Status	Position	
6	supermicro_gen5_cbox two dual-port NICs	<fonS02100+8025100(6755882,.6</fon	39216,.81960	3,1)"> AVTĀIVE ⁵</td <td>ont></td>	ont>
2	supermicro_gen5_cbox two dual-port NICs	<fonS92109\$100010(67025882,.6</fon	39216,.81960	3,1)"> A\CTAIVE ⁵</td <td>ont></td>	ont>
3	supermicro_gen5_cbox two dual-port NICs	<fonS02100+10X5100(641057882,6</fon	39216,.81960	3,1)"> AVTĀIVE ⁵</td <td>ont></td>	ont>

DBox Inventory (Data)

ID	Model	Serial Number	Status	Position	
1	dbox-515-25042300200055	<fc>01562504230040005882,.6</fc>	39216,.81960	3,1)"> ANDAIVE </td <td>ont></td>	ont>
2	dbox-515-25042300200055	<fc>01562504230020005882,.6</fc>	39216,.81960	3,1)"> AVOTAIVE </td <td>ont></td>	ont>

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 ConfiguredExternal Gateways: Not Configured

DNS Server: Not ConfiguredNTP Server: Not Configured

• External Netmask: Not Configured

• Auto Ports External Interface: Not Configured

• B2B IPMI: Not Configured

IPMI Gateway: Not ConfiguredIPMI Netmask: Not ConfiguredEthernet 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 V	/MS H ō §	tM Suppt	intgle NI	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 PCle 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 PCle 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: 2025-10-04T08:45:46.292118

• 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: 3Total DNodes: 2