

VMmark[®] 4.0.1 Disclosure

Server Vendor & Model: Dell PowerEdge R7725 Storage Vendor & Model: Dell PowerStore 5000T Hypervisor: VMware ESXi 8.0 Update 3, Build 24022510 Server Management Software: VMware vCenter Server 8.0 Update 3, Build 24022515
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Non-Compliant

Number of Hosts: 2		Uniform Hosts: yes		Total sockets/cores/threads in test: 4/512/1024	
Tested By: Dell Technologies		Test Date: 09-13-2024		SUT Availability Date: 11-19-2024	
Performance Section Performance		Configuration Section Configuration		Notes Section Notes for Workload	
				Virtual Machines Section Virtual Machines	

It has been determined that this result was not in compliance with the VMmark Run and Reporting Rules. This result did not meet public availability requirements and therefore was not in compliance with section 3.2.8 of the Run and Reporting Rules.

Performance

[illegible]

p0														
p1														
p2														
TILE_4_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean			
p0														
p1														
p2														
TILE_4_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC						
p0														
p1														
p2														
p0_score:	NC													
p1_score:	NC													
p2_score:	NC													
Infrastructure_Operations_Scores:						vMotion		SVMotion		XVMotion		Deploy		
Completed_Ops_PerHour						NC		NC		NC		NC		
Avg_Seconds_To_Complete						NC		NC		NC		NC		
Failures						NC		NC		NC		NC		
Ratio						NC		NC		NC		NC		
Number_Of_Threads						NC		NC		NC		NC		
Summary							Run_Is_Compliant			Median_Phase(p1)				
Unreviewed_VMmark4_Applications_Score							NC							
Unreviewed_VMmark4_Infrastructure_Score							NC							
Unreviewed_VMmark4_Score							NC							

Configuration

Virtualization Software	
Hypervisor Vendor, Product, Version, and Build / Availability Date (MM-DD-YYYY)	VMware ESXi 8.0 Update 3, Build 24022510 / 06-25-2024
Server Management Software Vendor, Product, Version, and Build / Availability Date (MM-DD-YYYY)	VMware vCenter Server 8.0 Update 3, Build 24022515 / 06-25-2024

Supplemental Software	None																																																																																																																																																		
Servers																																																																																																																																																			
Number of Servers in System Under Test (all subsequent fields in this section are per Server)	2																																																																																																																																																		
Server Manufacturer and Model	Dell PowerEdge R7725																																																																																																																																																		
Processor Vendor and Model	AMD EPYC 9755																																																																																																																																																		
Processor Speed (GHz) / Turbo Boost Speed (GHz)	2.7 GHz / 4.1 GHz																																																																																																																																																		
Total Sockets/Total Cores/Total Threads	2 Sockets / 256 Cores / 512 Threads																																																																																																																																																		
NUMA Nodes	2																																																																																																																																																		
BIOS Version	0.2.4 [X-REV]																																																																																																																																																		
Memory Size (in GB, Number of DIMMs)	Physical Memory (BIOS): 2304 GB Physical Memory (ESXi): 2304 GB Number of DIMMs: 24																																																																																																																																																		
Memory Type and Speed	<table><thead><tr><th>Location</th><th>Size</th><th>Speed</th><th>Max Speed</th><th>Rank</th><th>Type</th><th>Detail</th></tr></thead><tbody><tr><td>A1</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>A2</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>A3</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>A4</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>A5</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>A6</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>A7</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>A8</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>A9</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>A10</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>A11</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>A12</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>B1</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>B2</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>B3</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>B4</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>B5</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>B6</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>B7</td><td>96 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr></tbody></table>							Location	Size	Speed	Max Speed	Rank	Type	Detail	A1	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	A2	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	A3	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	A4	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	A5	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	A6	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	A7	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	A8	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	A9	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	A10	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	A11	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	A12	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	B1	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	B2	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	B3	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	B4	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	B5	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	B6	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	B7	96 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
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Number of SAS Devices	0																																																	
SAS Device Vendors and Models	None																																																	
Number of Virtual Host Bus Adapters	0																																																	
Virtual Host Bus Adapter Vendors and Models	None																																																	
Power Supply Quantity, Name/Part Number, Wattage, Firmware, and Type (Voltage, AC/DC)	2, Dell Technologies, 1PKMH, 1500W, 1308, 230V, AC																																																	
Cooling Type (Air Cooling, Closed Loop Cooling, Direct Liquid Cooling, or Other)	Air Cooling																																																	
Other Hardware	None																																																	
Other Software	None																																																	
BIOS Availability Date (MM-DD-YYYY)	11-19-2024																																																	
Hardware Availability Date (MM-DD-YYYY)	11-19-2024																																																	
Software Availability Date (MM-DD-YYYY)	06-25-2024																																																	
Network																																																		
Number of Virtual Network Controllers	6																																																	
Virtual Network Controllers, Speeds, MTUs, Firmware, Drivers, Vendors, and Models	<table><tr><th>Device</th><th>Speed</th><th>Duplex</th><th>MTU</th><th>Firmware</th><th>Driver</th><th>Description</th></tr><tr><td>vmnic0</td><td>100 Gbps</td><td>Full</td><td>9000</td><td>229.2.62.0 /pkg 22.92.07.50</td><td>bnxtnet</td><td>Broadcom NetXtreme-E P2100D BCM57508 2x100G QSFP PCIE Ethernet</td></tr><tr><td>vmnic1</td><td>100 Gbps</td><td>Full</td><td>9000</td><td>229.2.62.0 /pkg 22.92.07.50</td><td>bnxtnet</td><td>Broadcom NetXtreme-E P2100D BCM57508 2x100G QSFP PCIE Ethernet</td></tr><tr><td>vmnic2</td><td>25 Gbps</td><td>Full</td><td>9000</td><td>229.2.62.0 /pkg 22.92.07.50</td><td>bnxtnet</td><td>Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter</td></tr><tr><td>vmnic3</td><td>25 Gbps</td><td>Full</td><td>9000</td><td>229.2.62.0 /pkg 22.92.07.50</td><td>bnxtnet</td><td>Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter</td></tr><tr><td>vmnic4</td><td>25 Gbps</td><td>Full</td><td>9000</td><td>229.2.62.0 /pkg 22.92.07.50</td><td>bnxtnet</td><td>Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter</td></tr><tr><td>vmnic5</td><td>25 Gbps</td><td>Full</td><td>9000</td><td>229.2.62.0 /pkg 22.92.07.50</td><td>bnxtnet</td><td>Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter</td></tr></table>	Device	Speed	Duplex	MTU	Firmware	Driver	Description	vmnic0	100 Gbps	Full	9000	229.2.62.0 /pkg 22.92.07.50	bnxtnet	Broadcom NetXtreme-E P2100D BCM57508 2x100G QSFP PCIE Ethernet	vmnic1	100 Gbps	Full	9000	229.2.62.0 /pkg 22.92.07.50	bnxtnet	Broadcom NetXtreme-E P2100D BCM57508 2x100G QSFP PCIE Ethernet	vmnic2	25 Gbps	Full	9000	229.2.62.0 /pkg 22.92.07.50	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter	vmnic3	25 Gbps	Full	9000	229.2.62.0 /pkg 22.92.07.50	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter	vmnic4	25 Gbps	Full	9000	229.2.62.0 /pkg 22.92.07.50	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter	vmnic5	25 Gbps	Full	9000	229.2.62.0 /pkg 22.92.07.50	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter
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vmnic1	100 Gbps	Full	9000	229.2.62.0 /pkg 22.92.07.50	bnxtnet	Broadcom NetXtreme-E P2100D BCM57508 2x100G QSFP PCIE Ethernet																																												
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vmnic5	25 Gbps	Full	9000	229.2.62.0 /pkg 22.92.07.50	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter																																												
Number of Virtual Switches	3																																																	

Storage Device Names, Sizes, Types, Vendors, Models, and Revisions	Disk	TB	Access						
	NVMe TCP Disk	2.2 TB	Direct-Access	NVMe	dellemc-powerstore	3.6.0.0	LB-IOPS	iops=1	1
	NVMe TCP Disk	2.2 TB	Direct-Access	NVMe	dellemc-powerstore	3.6.0.0	LB-IOPS	iops=1	1
	Local NVMe Disk (Boot Device)	3.2 TB	Direct-Access	NVMe	Dell NVMe PM1745 MU E3.S 3.2TB	1.0.1	FIXED	preferred=none	1
	NVMe TCP Disk	3.3 TB	Direct-Access	NVMe	dellemc-powerstore	3.6.0.0	LB-IOPS	iops=1	1
	NVMe TCP Disk	3.3 TB	Direct-Access	NVMe	dellemc-powerstore	3.6.0.0	LB-IOPS	iops=1	1
	NVMe TCP Disk	3.3 TB	Direct-Access	NVMe	dellemc-powerstore	3.6.0.0	LB-IOPS	iops=1	1
	NVMe TCP Disk	3.3 TB	Direct-Access	NVMe	dellemc-powerstore	3.6.0.0	LB-IOPS	iops=1	1
	NVMe TCP Disk	3.3 TB	Direct-Access	NVMe	dellemc-powerstore	3.6.0.0	LB-IOPS	iops=1	1
How Datastores Map to Storage Devices		See detailed storage notes							
VMware vSAN Configuration (if used)		None							
RAID Configuration (if used)		None							
Server Management									
VMware vCenter Server Number of vCPUs									8
VMware vCenter Server Virtual Memory (in GB)									30
Clients									
Total Client VMs (including Prime Client)	6								
Number of Client Hosts (all subsequent fields in this section are per Client Host)	2								
System Model(s)	- Client Host 1: Dell PowerEdge R7625 - Client Host 2: Dell PowerEdge R7625								
Processor Vendor(s) and Model(s)	- Client Host 1: AMD EPYC 9754 - Client Host 2: AMD EPYC 9754								
Processor Speed(s) (GHz)	- Client Host 1: 2.25 GHz - Client Host 2: 2.25 GHz								
Total Sockets/Total Cores/Total Threads	Client Host	Sockets	Cores	Threads					
	Client Host 1	2	256	512					
	Client Host 2	2	256	512					
	Total	4	512	1024					

NUMA Nodes	- Client Host 1: 2 - Client Host 2: 2																		
Memory Size (in GB) per Client Host	<table><tr><th>Client Host</th><th>BIOS</th><th>ESXi</th></tr><tr><td>Client Host 1</td><td>3072 GB</td><td>3072 GB</td></tr><tr><td>Client Host 2</td><td>3072 GB</td><td>3072 GB</td></tr></table>										Client Host	BIOS	ESXi	Client Host 1	3072 GB	3072 GB	Client Host 2	3072 GB	3072 GB
Client Host	BIOS	ESXi																	
Client Host 1	3072 GB	3072 GB																	
Client Host 2	3072 GB	3072 GB																	
Virtual Network Controllers, Speeds, MTUs, Firmware, Drivers, Vendors, and Models	Client Host	Device	Speed	Duplex	MTU	Firmware	Driver	Description											
	Client Host 1	vmnic0	1 Gbps	Full	1500	bc 1.39 ncsi 1.5.53.0	ntg3	Broadcom Corporation NetXtreme BCM5720 Gigabit Ethernet											
		vmnic2	25 Gbps	Full	9000	229.2.52.0 /pkg 22.92.06.10	bnxtnet	Broadcom NetXtreme E-Series Advanced Dual-port 25Gb SFP28 Ethernet OCP 3.0 Adapter											
		vmnic3	25 Gbps	Full	9000	229.2.52.0 /pkg 22.92.06.10	bnxtnet	Broadcom NetXtreme E-Series Advanced Dual-port 25Gb SFP28 Ethernet OCP 3.0 Adapter											
		vmnic4	100 Gbps	Full	9000	229.2.54.0 /pkg 22.92.06.10	bnxtnet	Broadcom NetXtreme-E P2100D BCM57508 2x100G QSFP PCIE Ethernet											
		vmnic5	100 Gbps	Full	9000	229.2.54.0 /pkg 22.92.06.10	bnxtnet	Broadcom NetXtreme-E P2100D BCM57508 2x100G QSFP PCIE Ethernet											
	Client Host 2	vmnic0	1 Gbps	Full	1500	bc 1.39 ncsi 1.5.53.0	ntg3	Broadcom Corporation NetXtreme BCM5720 Gigabit Ethernet											
		vmnic2	25 Gbps	Full	9000	229.2.52.0 /pkg 22.92.06.10	bnxtnet	Broadcom NetXtreme E-Series Advanced Dual-port 25Gb SFP28 Ethernet OCP 3.0 Adapter											
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Virtual Switches, Ports, Port Groups, MTUs, and Uplinks	Client Host	Switch	Ports	Configured Ports	MTU	Uplinks													
	Client Host 1	vSwitch0	9216	128	9000	vmnic4													
		vSwitch1	9216	128	9000	vmnic5													
		vSwitch2	9216	128	1500	vmnic0													
		vSwitch3	9216	128	9000	vmnic2, vmnic3													
	Client Host 2	vSwitch0	9216	128	9000	vmnic4													
		vSwitch1	9216	128	9000	vmnic5													
		vSwitch2	9216	128	9000	vmnic2, vmnic3													
	Client Host	Switch	Port Group		VLAN ID	Uplinks													

		Client Host 1	vSwitch0	Management Network	0	vmnic4	
			vSwitch0	VMNetwork	0	vmnic4	
			vSwitch1	NVMe over TCP	0	vmnic5	
			vSwitch2	VAAI	0	vmnic0	
			vSwitch3	VMNetwork2	0	vmnic2, vmnic3	
		Client Host 2	vSwitch0	Management Network	0	vmnic4	
			vSwitch0	VMNetwork	0	vmnic4	
			vSwitch1	NVMe over TCP	0	vmnic5	
			vSwitch2	VMNetwork2	0	vmnic2, vmnic3	
		VMkernel Network Adapters, Port Groups, MTUs, TCP/IP Stacks, and Services	Client Host		Device	Port Group/DVPort	MTU
Client Host 1	vmk0		Management Network	9000	Default	Management	
	vmk1		NVMe over TCP	9000	Default	NVMeTCP	
Client Host 2	vmk0		Management Network	9000	Default	Management	
	vmk1		NVMe over TCP	9000	Default	NVMeTCP	
Client Storage Notes	See Client Notes Section						
Other Hardware	None						
Other Software	VMware ESXi 8.0 Update 3, Build 24022510						

Notes for Workload

Template deployed with disk type: Thick Eager

Virtualization Software Notes

- vSphere DRS Enabled
- vSphere DRS Automation Level set to Fully Automated
- vSphere DRS Migration Threshold set to 2
- Logical CPU layout changed for all multi-CPU VMs to 1 socket with multiple cores (default single core per socket) except Prime Client, Template, Client and AuctionK* VMs
- Logging was disabled for all VMs except Prime Client (default enabled)
- All DS35DB VMs had CPU shares set to High (default Normal)
- All DS35DB VMs had Memory shares set to High (default Normal)
- All memory reserved (LockedToMax) for all DS35DB VMs
- All Standby VMs had CPU shares set to Low (default Normal)
- sched.mem.lpage.enable1GPage set to TRUE for all DS35DB VMs (default FALSE)
- CD/DVD device was removed from all VMs except Prime Client (default present)

SUT Host ESXi Advanced Settings:

Advanced Setting	Host 1	Host 2	Default
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Cpu.CreditAgePeriod	1000	1000	3000
Cpu.HTWholeCoreThreshold	0	0	800
DataMover.HardwareAcceleratedInit	0	0	1
DataMover.HardwareAcceleratedMove	0	0	1
Disk.IdleCredit	64	64	32
Disk.ReqCallThreshold	1	1	8
Mem.CtlMaxPercent	0	0	65
Mem.ShareScanGHz	0	0	4
Numa.LTermFairnessInterval	0	0	5
Numa.LocalityWeightActionAffinity	0	0	130
Numa.MigImbalanceThreshold	57	57	10
Numa.PageMigEnable	0	0	1
Numa.RebalancePeriod	60000	60000	2000
Numa.SwapLoadEnable	0	0	1
Numa.SwapLocalityEnable	0	0	1
Power.CpuPolicy	Performance	Performance	Balanced
UserVars.HostClientCEIPOptIn	2	2	0
UserVars.SuppressShellWarning	1	1	0

SUT Host ESXi Module Options:

Module	Host 1	Host 2	Default
tcpip4	ipv6=1	ipv6=1	ipv6=1

Server Notes

Server BIOS Settings:

- System Profile Settings : Performance (default Performance per Watt(OS))
- Thermal Profile : Max Performance (default Default Thermal Profile Settings)
- Multi-segment Enable : Disabled (default Enabled)

Networking Notes

SUTs:

- vSwitch0 : Management Network (vmk0) and vMotion (vmk1) using vmnic0
- vSwitch1 : NVMe over TCP (vmk2) using vmnic 1

- vSwitch2 : VMNetwork2 for VM traffic using vmnic2, vmnic3, vmnic4 and vmnic5
All vSwitches vmk0, vmk1, vmk2 and vmnic0-vmnic5 set to MTU 9000
- ClientHost1:
- vSwitch0 : Management Network (vmk0) and VMNetwork using vmnic4
 - vSwitch1 : NVMe over TCP (vmk1) using vmnic 5
 - vSwitch2 : VAAI to connect to PowerStore using vmnic0
 - vSwitch3 : VMNetwork2 using vmnic2 and vmnic3
All vSwitches (except vSwitch2) vmk0, vmk1 and vmnic0, vmnic2-vmnic5 set to MTU 9000

- ClientHost2:
- vSwitch0 : Management Network (vmk0) and VMNetwork using vmnic4
 - vSwitch1 : NVMe over TCP (vmk2) using vmnic 5
 - vSwitch2 : VMNetwork2 using vmnic2 and vmnic3
All vSwitches, vmk0, vmk1 and vmnic2-vmnic5 set to MTU 9000

Storage Notes

- Primary Storage : Dell PowerStore 5000T, Software Version :3.6.0.0, Build 2145637
- Drives used in Dell PowerStore 5000T : 16 x 7.7TB NVMe SSD + 5 x 3.84TB NVMe SSD
- NVMe over TCP was used for connectivity to the LUNs in Powerstore 5000T
- Claim rules were used to change the Path Selection Policy to LB-IOPS and iops=1
- Template was located on the Deploy Datastore which was created on the PowerStore for Deploy operations (Deploy : 2TB)
- On both SUT hosts Dell Customized VMware ESXi 8.0 Update 3 was installed on Dell NVMe PM1745 MU E3.S 3.2TB
- On both Client hosts, VMware ESXi 8.0 Update 3 was installed on Dell NVMe PE8010 RI M.2 960GB (RAID 1)

Server Management Notes

VMware vCenter Server 8.0 Update 3, Build 24022515 was hosted as a VM on ClientHost1

Operating System Notes

SUT Host ESXi Image Profile: DEL-ESXi_803.24022510-X71

Software Notes

None

Client Notes

- vSphere DRS Disabled

Client Host BIOS settings:

- L2 Prefetcher : Disabled (default Enabled)
- L2 Up/Down Prefetcher : Disabled (default Enabled)
- System Profile Settings : Performance (default Performance per Watt(OS))
- Thermal Profile : Max Performance (default Default Thermal Profile Settings)

Client Host ESXi Advanced Settings:

Advanced Setting	Host 1	Host 2	Default
Cpu.CreditAgePeriod	1000	1000	3000
Cpu.HTWholeCoreThreshold	0	0	800
DataMover.HardwareAcceleratedInit	0	0	1
DataMover.HardwareAcceleratedMove	0	0	1
Disk.IdleCredit	64	64	32
Disk.ReqCallThreshold	1	1	8
Mem.CtlMaxPercent	0	0	65
Mem.ShareScanGHz	0	0	4
Numa.LTermFairnessInterval	0	0	5
Numa.LocalityWeightActionAffinity	0	0	130
Numa.MigImbalanceThreshold	57	57	10
Numa.PageMigEnable	0	0	1
Numa.RebalancePeriod	60000	60000	2000
Numa.SwapLoadEnable	0	0	1
Numa.SwapLocalityEnable	0	0	1
Power.CpuPolicy	Performance	Performance	Balanced
UserVars.HostClientCEIPOptIn	2	2	0
UserVars.SuppressShellWarning	1	1	0

Client Host ESXi Module Options:

Module	Host 1	Host 2	Default
tcpip4	ipv6=1	ipv6=1	ipv6=1

Client Host ESXi Image Profile: DEL-ESXi_803.24022510-A00

Client Host VMs:

- Client Host 1: Client0, Client2, Client4, VMware vCenter Server
- Client Host 2: Client1, Client3, Prime Client

Other Notes

None

DS35DB2	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	high	TRUE	TRUE	normal	Tile2	VMNetwork2	17	12325
DS35DB3	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	high	TRUE	TRUE	normal	Tile3	VMNetwork2	17	12325
DS35DB4	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	high	TRUE	TRUE	normal	Tile4	VMNetwork2	17	12325
VM	vCPUs	Cores Per Socket	Memory (MB)	Sync Time	Logging	CD/DVD	CPU Res	CPU Limit	CPU Shares	Mem Res	Mem Limit	Mem Shares	Mem Pin	Mem 1G Page	Disk Shares	Datastore	Port Group	vHW Version	Tools Version
DS35WebA0	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile0	VMNetwork2	17	12325
DS35WebA1	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile1	VMNetwork2	17	12325
DS35WebA2	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile2	VMNetwork2	17	12325
DS35WebA3	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile3	VMNetwork2	17	12325
DS35WebA4	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile4	VMNetwork2	17	12325
VM	vCPUs	Cores Per Socket	Memory (MB)	Sync Time	Logging	CD/DVD	CPU Res	CPU Limit	CPU Shares	Mem Res	Mem Limit	Mem Shares	Mem Pin	Mem 1G Page	Disk Shares	Datastore	Port Group	vHW Version	Tools Version
DS35WebB0	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile0	VMNetwork2	17	12325
DS35WebB1	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile1	VMNetwork2	17	12325
DS35WebB2	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile2	VMNetwork2	17	12325
DS35WebB3	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile3	VMNetwork2	17	12325
DS35WebB4	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile4	VMNetwork2	17	12325
VM	vCPUs	Cores Per Socket	Memory (MB)	Sync Time	Logging	CD/DVD	CPU Res	CPU Limit	CPU Shares	Mem Res	Mem Limit	Mem Shares	Mem Pin	Mem 1G Page	Disk Shares	Datastore	Port Group	vHW Version	Tools Version
DS35WebC0	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile0	VMNetwork2	17	12325
DS35WebC1	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile1	VMNetwork2	17	12325
DS35WebC2	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile2	VMNetwork2	17	12325
DS35WebC3	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile3	VMNetwork2	17	12325
DS35WebC4	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile4	VMNetwork2	17	12325
VM	vCPUs	Cores Per Socket	Memory (MB)	Sync Time	Logging	CD/DVD	CPU Res	CPU Limit	CPU Shares	Mem Res	Mem Limit	Mem Shares	Mem Pin	Mem 1G Page	Disk Shares	Datastore	Port Group	vHW Version	Tools Version
NoSQLBenchA0	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile0	VMNetwork2	17	12325
NoSQLBenchA1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile1	VMNetwork2	17	12325
NoSQLBenchA2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile2	VMNetwork2	17	12325
NoSQLBenchA3	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile3	VMNetwork2	17	12325
NoSQLBenchA4	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile4	VMNetwork2	17	12325
VM	vCPUs	Cores Per Socket	Memory (MB)	Sync Time	Logging	CD/DVD	CPU Res	CPU Limit	CPU Shares	Mem Res	Mem Limit	Mem Shares	Mem Pin	Mem 1G Page	Disk Shares	Datastore	Port Group	vHW Version	Tools Version
NoSQLBenchB0	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile0	VMNetwork2	17	12325

NoSQLBenchB1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile1	VMNetwork2	17	12325
NoSQLBenchB2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile2	VMNetwork2	17	12325
NoSQLBenchB3	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile3	VMNetwork2	17	12325
NoSQLBenchB4	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile4	VMNetwork2	17	12325
VM	vCPUs	Cores Per Socket	Memory (MB)	Sync Time	Logging	CD/DVD	CPU Res	CPU Limit	CPU Shares	Mem Res	Mem Limit	Mem Shares	Mem Pin	Mem 1G Page	Disk Shares	Datastore	Port Group	vHW Version	Tools Version
NoSQLBenchC0	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile0	VMNetwork2	17	12325
NoSQLBenchC1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile1	VMNetwork2	17	12325
NoSQLBenchC2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile2	VMNetwork2	17	12325
NoSQLBenchC3	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile3	VMNetwork2	17	12325
NoSQLBenchC4	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile4	VMNetwork2	17	12325
VM	vCPUs	Cores Per Socket	Memory (MB)	Sync Time	Logging	CD/DVD	CPU Res	CPU Limit	CPU Shares	Mem Res	Mem Limit	Mem Shares	Mem Pin	Mem 1G Page	Disk Shares	Datastore	Port Group	vHW Version	Tools Version
SocialNetwork0	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile0	VMNetwork2	17	12325
SocialNetwork1	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile1	VMNetwork2	17	12325
SocialNetwork2	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile2	VMNetwork2	17	12325
SocialNetwork3	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile3	VMNetwork2	17	12325
SocialNetwork4	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tile4	VMNetwork2	17	12325
VM	vCPUs	Cores Per Socket	Memory (MB)	Sync Time	Logging	CD/DVD	CPU Res	CPU Limit	CPU Shares	Mem Res	Mem Limit	Mem Shares	Mem Pin	Mem 1G Page	Disk Shares	Datastore	Port Group	vHW Version	Tools Version
Standby0	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	Tile0	VMNetwork2	17	12325
Standby1	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	Tile1	VMNetwork2	17	12325
Standby2	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	Tile2	VMNetwork2	17	12325
Standby3	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	Tile3	VMNetwork2	17	12325
Standby4	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	Tile4	VMNetwork2	17	12325
VM	vCPUs	Cores Per Socket	Memory (MB)	Sync Time	Logging	CD/DVD	CPU Res	CPU Limit	CPU Shares	Mem Res	Mem Limit	Mem Shares	Mem Pin	Mem 1G Page	Disk Shares	Datastore	Port Group	vHW Version	Tools Version
VMmark-4.0.1-208	4	1	32768	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Deploy	VMNetwork2	17	12325

Client Host Virtual Machines

VM	vCPUs	Cores Per Socket	Memory (MB)	Sync Time	Logging	CD/DVD	CPU Res	CPU Limit	CPU Shares	Mem Res	Mem Limit	Mem Shares	Mem Pin	Mem 1G Page	Disk Shares	Datastore	Port Group	vHW Version	Tools Version
Client0	64	1	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_Datastore	VMNetwork2	17	12325
Client1	64	1	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_Datastore	VMNetwork2	17	12325

Client2	64	1	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_Datastore	VMNetwork2	17	12325
Client3	64	1	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_Datastore	VMNetwork2	17	12325
Client4	64	1	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_Datastore	VMNetwork2	17	12325
Prime Client	4	1	32768	TRUE	TRUE	Present	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_Datastore	VMNetwork, VMNetwork2	17	12325
VMware vCenter Server	8	1	30720	FALSE	TRUE	Present	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_Datastore	VMNetwork, VMNetwork, VAAI	10	12389

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