VMmark® 4.0.2 Disclosure

Server Vendor & Model: HPE ProLiant Compute DL340 Gen12 **Storage Vendor & Model: VMware vSAN 8.0 Update 3 ESA - All Flash** **Hypervisor: VMware ESXi 8.0 Update 3e, Build 24674464** **Server Management Software: VMware vCenter Server 8.0 Update 3d, Build 24322831**	**VMmark 4.0.2 Score = 3.55 @ 4 Tiles**

Number of Hosts: 4	**Uniform Hosts: yes**	**Total sockets/cores/threads in test: 4/344/688**
Tested By: Hewlett Packard Enterprise	**Test Date: 04-24-2025**	**SUT Availability Date: 04-10-2025**

Performance Section	Configuration Section	Notes Section	Virtual Machines Section
Performance	Configuration	Notes for Workload	Virtual Machines

Performance

TILE_0_Scores	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	
p0	14134.35	9240.19	2910.03	2153.25	1573.60	59595.97	59596.61	59595.86	72.06	1.00	
p1	14126.94	9237.12	2897.03	2138.28	1648.03	56484.16	56483.93	56484.09	72.05	1.00	
p2	14145.67	9237.62	2884.65	2116.03	1559.20	53869.68	53869.79	53869.62	72.02	1.00	
TILE_0_Ratios	**WVAuctionVM**	**WVAuctionK8S**	**DVDStoreA**	**DVDStoreB**	**DVDStoreC**	**NoSQLBenchA**	**NoSQLBenchB**	**NoSQLBenchC**	**SocialNetwork**	**Standby**	**Geo.Mean**
p0	1.01	1.00	1.00	1.00	1.03	1.05	1.05	1.05	1.00	1.00	1.02
p1	1.01	1.00	1.00	0.99	1.08	1.00	1.00	1.00	1.00	1.00	1.01
p2	1.01	1.00	0.99	0.98	1.02	0.95	0.95	0.95	1.00	1.00	0.99
TILE_0_QoS	**WVAuctionVM%**	**WVAuctionK8S%**	**DVDStoreA**	**DVDStoreB**	**DVDStoreC**	**NoSQLBenchA**	**NoSQLBenchB**	**NoSQLBenchC**			
p0	0.34 | 0.06	0.33 | 0.00	415.61	440.24	448.05	0.60	0.60	0.60			
p1	0.37 | 0.02	0.35 | 0.00	422.82	450.91	446.22	0.65	0.65	0.65			
p2	0.45 | 0.05	0.38 | 0.00	429.40	468.87	459.96	0.68	0.68	0.68			
TILE_1_Scores	**WVAuctionVM**	**WVAuctionK8S**	**DVDStoreA**	**DVDStoreB**	**DVDStoreC**	**NoSQLBenchA**	**NoSQLBenchB**	**NoSQLBenchC**	**SocialNetwork**	**Standby**	
p0	14147.88	9245.22	2918.30	2238.40	1634.30	58476.08	58475.57	58476.46	71.98	1.00	
p1	14148.75	9249.18	2850.12	2082.60	1546.15	55729.14	55729.01	55729.29	71.97	1.00	
p2	14115.00	9247.17	2832.15	2213.22	1597.97	53102.12	53102.05	53102.53	71.91	1.00	
TILE_1_Ratios	**WVAuctionVM**	**WVAuctionK8S**	**DVDStoreA**	**DVDStoreB**	**DVDStoreC**	**NoSQLBenchA**	**NoSQLBenchB**	**NoSQLBenchC**	**SocialNetwork**	**Standby**	**Geo.Mean**
p0	1.01	1.00	1.01	1.04	1.07	1.03	1.03	1.03	1.00	1.00	1.03
p1	1.01	1.01	0.98	0.97	1.01	0.99	0.99	0.99	1.00	1.00	0.99
p2	1.01	1.01	0.98	1.03	1.04	0.94	0.94	0.94	1.00	1.00	0.99
TILE_1_QoS	**WVAuctionVM%**	**WVAuctionK8S%**	**DVDStoreA**	**DVDStoreB**	**DVDStoreC**	**NoSQLBenchA**	**NoSQLBenchB**	**NoSQLBenchC**			
p0	0.35 | 0.06	0.32 | 0.00	405.83	431.34	457.46	0.60	0.60	0.60			
p1	0.38 | 0.04	0.33 | 0.00	449.48	440.50	473.50	0.65	0.65	0.65			
p2	0.56 | 0.18	0.35 | 0.00	459.24	451.02	499.43	0.71	0.70	0.71			

TILE_2_Scores	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	
p0	14155.55	9236.82	2961.60	2203.03	1680.20	57476.34	57477.04	57476.40	71.96	1.00	
p1	14147.08	9240.25	2831.28	2012.17	1457.15	54626.52	54626.22	54625.93	71.94	1.00	
p2	14137.50	9237.54	2850.50	2182.50	1674.58	52267.80	52268.23	52268.03	71.91	1.00	
TILE_2_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean
p0	1.01	1.00	1.02	1.02	1.10	1.02	1.02	1.02	1.00	1.00	1.02
p1	1.01	1.00	0.98	0.94	0.95	0.97	0.97	0.97	1.00	1.00	0.98
p2	1.01	1.00	0.98	1.02	1.09	0.93	0.93	0.93	1.00	1.00	0.99
TILE_2_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC			
p0	0.33 | 0.02	0.32 | 0.00	383.96	455.76	478.15	0.61	0.61	0.61			
p1	0.38 | 0.04	0.38 | 0.00	459.08	497.79	501.48	0.68	0.68	0.68			
p2	0.42 | 0.08	0.40 | 0.00	451.07	478.05	490.37	0.69	0.69	0.69			
TILE_3_Scores	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	
p0	14146.38	9238.36	2803.75	2064.03	1550.00	58308.79	58308.29	58308.39	72.02	1.00	
p1	14172.47	9235.23	2780.50	2008.15	1456.40	55889.33	55889.25	55889.51	72.00	1.00	
p2	14139.74	9246.62	2743.95	2015.03	1501.95	53520.31	53520.09	53519.93	72.00	1.00	
TILE_3_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean
p0	1.01	1.00	0.97	0.96	1.01	1.03	1.03	1.03	1.00	1.00	1.01
p1	1.01	1.00	0.96	0.93	0.95	0.99	0.99	0.99	1.00	1.00	0.98
p2	1.01	1.01	0.95	0.94	0.98	0.95	0.95	0.95	1.00	1.00	0.97
TILE_3_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC			
p0	0.42 | 0.08	0.32 | 0.00	484.32	518.79	556.78	0.60	0.60	0.60			
p1	0.44 | 0.07	0.34 | 0.00	503.35	570.08	594.88	0.64	0.64	0.64			
p2	0.57 | 0.13	0.38 | 0.00	525.60	567.24	617.64	0.68	0.68	0.68			
p0_score:	4.08										
p1_score:	3.96										
p2_score:	3.93										

Infrastructure_Operations_Scores:	vMotion	SVMotion	XVMotion	Deploy
Completed_Ops_PerHour	56.00	26.00	26.00	27.00
Avg_Seconds_To_Complete	4.75	59.21	55.40	216.93
Failures	0.00	0.00	0.00	0.00
Ratio	1.90	2.00	2.00	1.86
Number_Of_Threads	2	2	2	2

Summary	Run_Is_Compliant	Median_Phase(p1)
Unreviewed_VMmark4_Applications_Score	3.96	
Unreviewed_VMmark4_Infrastructure_Score	1.94	
Unreviewed_VMmark4_Score	3.55 @ 4 Tiles	

Configuration

<table>
<tr><th colspan="2">Virtualization Software</th></tr>
<tr><td>Hypervisor Vendor, Product, Version, and Build / Availability Date (MM-DD-YYYY)</td><td>VMware ESXi 8.0 Update 3e, Build 24674464 / 04-10-2025</td></tr>
<tr><td>Server Management Software Vendor, Product, Version, and Build / Availability Date (MM-DD-YYYY)</td><td>VMware vCenter Server 8.0 Update 3d, Build 24322831 / 10-21-2024</td></tr>
<tr><td>Supplemental Software</td><td>None</td></tr>
<tr><th colspan="2">Servers</th></tr>
<tr><td>Number of Servers in System Under Test
(all subsequent fields in this section are per Server)</td><td>4</td></tr>
<tr><td>Server Manufacturer and Model</td><td>HPE ProLiant Compute DL340 Gen12</td></tr>
<tr><td>Processor Vendor and Model</td><td>Intel Xeon 6787P</td></tr>
<tr><td>Processor Speed (GHz) / Turbo Boost Speed (GHz)</td><td>2.0 GHz / 3.8 GHz</td></tr>
<tr><td>Total Sockets/Total Cores/Total Threads</td><td>1 Sockets / 86 Cores / 172 Threads</td></tr>
<tr><td>NUMA Nodes</td><td>2</td></tr>
<tr><td>BIOS Version</td><td>1.30</td></tr>
<tr><td>Memory Size (in GB, Number of DIMMs)</td><td>Physical Memory (BIOS): 1024 GB
Physical Memory (ESXi): 1024 GB
Number of DIMMs: 8</td></tr>
<tr><td>Memory Type and Speed</td><td>
<table>
<tr><th>Location</th><th>Size</th><th>Speed</th><th>Max Speed</th><th>Rank</th><th>Type</th><th>Detail</th></tr>
<tr><td>PROC 1 DIMM 1</td><td>128 GB</td><td>6400 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr>
<tr><td>PROC 1 DIMM 3</td><td>128 GB</td><td>6400 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr>
<tr><td>PROC 1 DIMM 5</td><td>128 GB</td><td>6400 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr>
<tr><td>PROC 1 DIMM 7</td><td>128 GB</td><td>6400 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr>
<tr><td>PROC 1 DIMM 10</td><td>128 GB</td><td>6400 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr>
<tr><td>PROC 1 DIMM 12</td><td>128 GB</td><td>6400 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr>
<tr><td>PROC 1 DIMM 14</td><td>128 GB</td><td>6400 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr>
<tr><td>PROC 1 DIMM 16</td><td>128 GB</td><td>6400 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr>
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<tr><td>Number of SAS Devices</td><td>0</td></tr>
<tr><td>SAS Device Vendors and Models</td><td>None</td></tr>
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<tr><td>Number of Virtual Host Bus Adapters</td><td>4</td></tr>
<tr><td>Virtual Host Bus Adapter Vendors and Models</td><td>
<table>
<tr><th>HBA</th><th>Model</th><th>Speed</th><th>Driver</th><th>Firmware</th></tr>
<tr><td>vmhba0</td><td>HPE SN1700Q 64Gb 2p FC Adapter</td><td>64 Gbps</td><td>qlnativefc</td><td>9.15.05 (d0d5)</td></tr>
<tr><td>vmhba1</td><td>HPE SN1700Q 64Gb 2p FC Adapter</td><td>64 Gbps</td><td>qlnativefc</td><td>9.15.05 (d0d5)</td></tr>
<tr><td>vmhba64</td><td>HPE SN1700Q 64Gb 2p FC Adapter</td><td>64 Gbps</td><td>qlnativefc</td><td>9.15.05 (d0d5)</td></tr>
<tr><td>vmhba65</td><td>HPE SN1700Q 64Gb 2p FC Adapter</td><td>64 Gbps</td><td>qlnativefc</td><td>9.15.05 (d0d5)</td></tr>
</table>
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<tr><td>Power Supply Quantity, Name/Part Number, Wattage, Firmware, and Type (Voltage, AC/DC)</td><td>

2 * HPE 1500W M-CRPS Hot Plug Titanium Hot Plug Power Supply Kit (P67244-B21)
Voltage Type: AC
Input Voltage: High-line (HL): 200 - 240 VAC

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<tr><td>Cooling Type (Air Cooling, Closed Loop Cooling, Direct Liquid Cooling, or Other)</td><td>Air Cooling</td></tr>
<tr><td>Other Hardware</td><td>FC Switch: SN6700B 64Gb 56/24 24P SFP56</td></tr>
<tr><td>Other Software</td><td>None</td></tr>
<tr><td>BIOS Availability Date (MM-DD-YYYY)</td><td>03-21-2025</td></tr>
<tr><td>Hardware Availability Date (MM-DD-YYYY)</td><td>03-25-2025</td></tr>
<tr><td>Software Availability Date (MM-DD-YYYY)</td><td>04-10-2025</td></tr>
<tr><td colspan="2">Network</td></tr>
<tr><td>Number of Virtual Network Controllers</td><td>4</td></tr>
<tr><td>Virtual Network Controllers, Speeds, MTUs, Firmware, Drivers, Vendors, and Models</td><td>
<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>22.41.1000</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)</td></tr>
<tr><td>vmnic1</td><td>100 Gbps</td><td>Full</td><td>9000</td><td>22.41.1000</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)</td></tr>
<tr><td>vmnic2</td><td>100 Gbps</td><td>Full</td><td>9000</td><td>2.00 0x80003e4b 1.2751.0</td><td>icen</td><td>Intel(R) Ethernet Controller E810-C for QSFP</td></tr>
<tr><td>vmnic3</td><td>100 Gbps</td><td>Full</td><td>9000</td><td>2.00 0x80003e4b 1.2751.0</td><td>icen</td><td>Intel(R) Ethernet Controller E810-C for QSFP</td></tr>
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<tr><td>Number of Virtual Switches</td><td>2</td></tr>
<tr><td>Virtual Switches, Ports, Port Groups, MTUs, and Uplinks</td><td>
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<tr><th>Switch</th><th>Ports</th><th>Configured Ports</th><th>MTU</th><th>Uplinks</th></tr>
<tr><td>vSwitch0</td><td>9216</td><td>128</td><td>9000</td><td>vmnic2</td></tr>
<tr><td>DSwitch</td><td>9216</td><td>512</td><td>9000</td><td>vmnic0, vmnic1, vmnic3</td></tr>
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<tr><th>Switch</th><th>Port Group</th><th>VLAN ID</th><th>Uplinks</th></tr>
<tr><td>vSwitch0</td><td>Management Network</td><td>0</td><td>vmnic2</td></tr>
<tr><td>vSwitch0</td><td>VM Network</td><td>0</td><td>vmnic2</td></tr>
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	vSwitch0 VMkernel 0 vmnic2 **DSwitch** DSwitch-VM-Network 0 vmnic1,vmnic3 **DSwitch** DSwitch-vSAN 0 vmnic0
VMkernel Network Adapters, Port Groups, MTUs, TCP/IP Stacks, and Services	**Device** | **Port Group/DVPort** | **MTU** | **TCP/IP Stack** | **Services** **vmk0** | Management Network | 1500 | Default | Management **vmk1** | BMC_Network | 1500 | Default | None **vmk2** | VMkernel | 9000 | vMotion | vMotion **vmk3** | 8 | 9000 | Default | vSAN
Physical Switch Vendors, Models, and Speeds	HPE SN2700M 100GbE 32QSFP28
Primary Storage	
Storage Category	VMware vSAN 8.0 Update 3 ESA - All Flash
Datastores	**Datastores** | **Type** | **Size** | **Storage Device** **LIO-Dep1** | VMFS-6 | 6.4 TB | LIO-ORG Fibre Channel Disk **LIO-Dep2** | VMFS-6 | 6.4 TB | LIO-ORG Fibre Channel Disk **LIO-SVM1** | VMFS-6 | 6.4 TB | LIO-ORG Fibre Channel Disk **LIO-SVM2** | VMFS-6 | 6.4 TB | LIO-ORG Fibre Channel Disk **LIO-XVM1** | VMFS-6 | 6.4 TB | LIO-ORG Fibre Channel Disk **LIO-XVM2** | VMFS-6 | 6.4 TB | LIO-ORG Fibre Channel Disk **OSDATA-3a531a18-393d1931-7d3d-88e9a44bdb0a** | VMFSOS | 128.6 GB | Local NVMe Disk **vsanDatastore** | vSAN | 204.8 TB | vSAN
Number of Storage Devices	15
Storage Device Names, Sizes, Types, Vendors, Models, and Revisions	**Storage Device** | **Size** | **Type** | **Vendor** | **Model** | **Revision** | **Path Selection Policy** | **Path Selection Policy Config** | **# Working Paths** **Local NVMe Disk (Boot Device)** | 480.0 GB | Direct-Access | NVMe | HPE NS204i-u Gen11 Boot Controller | 12141018 | FIXED | preferred=none | 1 **LIO-ORG Fibre Channel Disk** | 6.4 TB | Direct-Access | LIO-ORG | LIO-SVM2 | 4.0 | VMW_PSP_MRU | Current Path=vmhba0:C0:T1:L1 | 1 **LIO-ORG Fibre Channel Disk** | 6.4 TB | Direct-Access | LIO-ORG | LIO-XVM2 | 4.0 | VMW_PSP_MRU | Current Path=vmhba1:C0:T2:L0 | 1 **Local NVMe Disk** | 6.4 TB | Direct-Access | NVMe | MV006400LXUJL | HPK6 | FIXED | preferred=none | 1 **Local NVMe Disk** | 6.4 TB | Direct-Access | NVMe | MV006400LXUJL | HPK6 | FIXED | preferred=none | 1 **Local NVMe Disk** | 6.4 TB | Direct-Access | NVMe | MV006400LXUJL | HPK6 | FIXED | preferred=none | 1 **LIO-ORG Fibre Channel Disk** | 6.4 TB | Direct-Access | LIO-ORG | LIO-SVM1 | 4.0 | VMW_PSP_MRU | Current Path=vmhba0:C0:T1:L0 | 1 **Local NVMe Disk** | 6.4 TB | Direct-Access | NVMe | MV006400LXUJL | HPK6 | FIXED | preferred=none | 1 **LIO-ORG Fibre Channel Disk** | 6.4 TB | Direct-Access | LIO-ORG | LIO-Dep1 | 4.0 | VMW_PSP_MRU | Current Path=vmhba0:C0:T2:L0 | 1 **Local NVMe Disk** | 6.4 TB | Direct-Access | NVMe | MV006400LXUJL | HPK6 | FIXED | preferred=none | 1 **Local NVMe Disk** | 6.4 TB | Direct-Access | NVMe | MV006400LXUJL | HPK6 | FIXED | preferred=none | 1 **Local NVMe Disk** | 6.4 TB | Direct-Access | NVMe | MV006400LXUJL | HPK6 | FIXED | preferred=none | 1 **LIO-ORG Fibre Channel Disk** | 6.4 TB | Direct-Access | LIO-ORG | LIO-Dep2 | 4.0 | VMW_PSP_MRU | Current Path=vmhba0:C0:T2:L1 | 1

	LIO-ORG Fibre Channel Disk	6.4 TB	Direct-Access	LIO-ORG	LIO-XVM1	4.0	VMW_PSP_MRU	Current Path=vmhba1:C0:T3:L0	1
	Local NVMe Disk	6.4 TB	Direct-Access	NVMe	MV006400LXUJL	HPK6	FIXED	preferred=none	1

How Datastores Map to Storage Devices	See Storage Notes Section

VMware vSAN Configuration (if used)	VMware vSAN ESA Configuration (per host):
	• 8 x SSDs
	• On-Disk Format Version: 20
	• Disk Models:
	  ◦ MV006400LXUJL
	  ◦ MV006400LXUJL
	  ◦ MV006400LXUJL
	  ◦ MV006400LXUJL
	  ◦ MV006400LXUJL
	  ◦ MV006400LXUJL
	  ◦ MV006400LXUJL
	  ◦ MV006400LXUJL

RAID Configuration (if used)	None

Server Management	
VMware vCenter Server Number of vCPUs	16
VMware vCenter Server Virtual Memory (in GB)	40

Clients	
Total Client VMs (including Prime Client)	5
Number of Client Hosts (all subsequent fields in this section are per Client Host)	6
System Model(s)	• Client Host 1: HPE ProLiant DL345 Gen11 • Client Host 2: HPE ProLiant DL345 Gen11 • Client Host 3: HPE ProLiant DL345 Gen11 • Client Host 4: HPE ProLiant DL345 Gen11 • Client Host 5: HPE ProLiant DL345 Gen11 • Client Host 6: HPE ProLiant DL345 Gen11
Processor Vendor(s) and Model(s)	• Client Host 1: AMD EPYC 9654P • Client Host 2: AMD EPYC 9654P • Client Host 3: AMD EPYC 9654P • Client Host 4: AMD EPYC 9654P • Client Host 5: AMD EPYC 9654P • Client Host 6: AMD EPYC 9654P
Processor Speed(s) (GHz)	• Client Host 1: 2.4 GHz

<table>
<tr><td></td><td>

Client Host 2: 2.4 GHz
Client Host 3: 2.4 GHz
Client Host 4: 2.4 GHz
Client Host 5: 2.4 GHz
Client Host 6: 2.4 GHz

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<tr><td>Total Sockets/Total Cores/Total Threads</td><td>
<table>
<tr><th>Client Host</th><th>Sockets</th><th>Cores</th><th>Threads</th></tr>
<tr><td>Client Host 1</td><td>1</td><td>96</td><td>192</td></tr>
<tr><td>Client Host 2</td><td>1</td><td>96</td><td>192</td></tr>
<tr><td>Client Host 3</td><td>1</td><td>96</td><td>192</td></tr>
<tr><td>Client Host 4</td><td>1</td><td>96</td><td>192</td></tr>
<tr><td>Client Host 5</td><td>1</td><td>96</td><td>192</td></tr>
<tr><td>Client Host 6</td><td>1</td><td>96</td><td>192</td></tr>
<tr><td>Total</td><td>6</td><td>576</td><td>1152</td></tr>
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<tr><td>NUMA Nodes</td><td>

Client Host 1: 1
Client Host 2: 1
Client Host 3: 1
Client Host 4: 1
Client Host 5: 1
Client Host 6: 1

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<tr><td>Memory Size (in GB) per Client Host</td><td>
<table>
<tr><th>Client Host</th><th>BIOS</th><th>ESXi</th></tr>
<tr><td>Client Host 1</td><td>512 GB</td><td>512 GB</td></tr>
<tr><td>Client Host 2</td><td>512 GB</td><td>512 GB</td></tr>
<tr><td>Client Host 3</td><td>512 GB</td><td>512 GB</td></tr>
<tr><td>Client Host 4</td><td>512 GB</td><td>512 GB</td></tr>
<tr><td>Client Host 5</td><td>512 GB</td><td>512 GB</td></tr>
<tr><td>Client Host 6</td><td>512 GB</td><td>512 GB</td></tr>
</table>
</td></tr>
<tr><td>Virtual Network Controllers, Speeds, MTUs, Firmware, Drivers, Vendors, and Models</td><td>
<table>
<tr><th>Client Host</th><th>Device</th><th>Speed</th><th>Duplex</th><th>MTU</th><th>Firmware</th><th>Driver</th><th>Description</th></tr>
<tr><td rowspan="3">Client Host 1</td><td>vmnic0</td><td>100 Gbps</td><td>Full</td><td>1500</td><td>22.43.1014</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)</td></tr>
<tr><td>vmnic1</td><td>100 Gbps</td><td>Full</td><td>1500</td><td>22.43.1014</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)</td></tr>
<tr><td>vmnic2</td><td>1 Gbps</td><td>Full</td><td>1500</td><td>1.63.0:0x80001234:1.3682.0</td><td>igbn</td><td>Intel(R) I350 Gigabit Network Connection</td></tr>
<tr><td rowspan="3">Client Host 2</td><td>vmnic0</td><td>100 Gbps</td><td>Full</td><td>9000</td><td>22.43.1014</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)</td></tr>
<tr><td>vmnic1</td><td>100 Gbps</td><td>Full</td><td>9000</td><td>22.43.1014</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)</td></tr>
<tr><td>vmnic2</td><td>1 Gbps</td><td>Full</td><td>1500</td><td>1.63.0:0x80001234:1.3682.0</td><td>igbn</td><td>Intel(R) I350 Gigabit Network Connection</td></tr>
<tr><td>Client Host 3</td><td>vmnic0</td><td>100 Gbps</td><td>Full</td><td>9000</td><td>22.43.1014</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)</td></tr>
</table>
</td></tr>
</table>

		vmnic1	100 Gbps	Full	9000	22.43.1014	nmlx5_core	Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)
		vmnic2	1 Gbps	Full	1500	1.63.0:0x80001234:1.3682.0	igbn	Intel(R) I350 Gigabit Network Connection
	Client Host 4	**vmnic0**	100 Gbps	Full	9000	22.43.1014	nmlx5_core	Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)
		vmnic1	100 Gbps	Full	9000	22.43.1014	nmlx5_core	Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)
		vmnic2	1 Gbps	Full	1500	1.63.0:0x80001234:1.3682.0	igbn	Intel(R) I350 Gigabit Network Connection
	Client Host 5	**vmnic0**	100 Gbps	Full	9000	22.43.1014	nmlx5_core	Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)
		vmnic1	100 Gbps	Full	9000	22.43.1014	nmlx5_core	Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)
		vmnic2	1 Gbps	Full	1500	1.63.0:0x80001234:1.3682.0	igbn	Intel(R) I350 Gigabit Network Connection
	Client Host 6	**vmnic0**	100 Gbps	Full	9000	22.43.1014	nmlx5_core	Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)
		vmnic1	100 Gbps	Full	9000	22.43.1014	nmlx5_core	Mellanox Technologies ConnectX-6 Dx EN NIC; 100GbE; dual-port QSFP56; PCIe4.0 x16; (MCX623106AS-CDA)
		vmnic2	1 Gbps	Full	1500	1.63.0:0x80001234:1.3682.0	igbn	Intel(R) I350 Gigabit Network Connection

Virtual Switches, Ports, Port Groups, MTUs, and Uplinks

Client Host	**Switch**	**Ports**	**Configured Ports**	**MTU**	**Uplinks**
Client Host 1	**vSwitch0**	9216	128	1500	vmnic2
Client Host 2	**vSwitch0**	9216	128	1500	vmnic2
	DSwitch	9216	512	9000	vmnic0, vmnic1
Client Host 3	**vSwitch0**	9216	128	1500	vmnic2
	DSwitch	9216	512	9000	vmnic0, vmnic1
Client Host 4	**vSwitch0**	9216	128	1500	vmnic2
	DSwitch	9216	512	9000	vmnic0, vmnic1
Client Host 5	**vSwitch0**	9216	128	1500	vmnic2
	DSwitch	9216	512	9000	vmnic0, vmnic1
Client Host 6	**vSwitch0**	9216	128	1500	vmnic2
	DSwitch	9216	512	9000	vmnic0, vmnic1

Client Host	**Switch**	**Port Group**	**VLAN ID**	**Uplinks**
Client Host 1	**vSwitch0**	Management Network	0	vmnic2
	vSwitch0	VM Network	0	vmnic2
Client Host 2	**vSwitch0**	Management Network	0	vmnic2
	vSwitch0	VM Network	0	vmnic2
	DSwitch	DSwitch-VM-Network	0	vmnic0,vmnic1
Client Host 3	**vSwitch0**	Management Network	0	vmnic2
	vSwitch0	VM Network	0	vmnic2

	DSwitch	DSwitch-VM-Network	0	vmnic0,vmnic1
Client Host 4	**vSwitch0**	Management Network	0	vmnic2
	vSwitch0	VM Network	0	vmnic2
	DSwitch	DSwitch-VM-Network	0	vmnic0,vmnic1
Client Host 5	**vSwitch0**	Management Network	0	vmnic2
	vSwitch0	VM Network	0	vmnic2
	DSwitch	DSwitch-VM-Network	0	vmnic0,vmnic1
Client Host 6	**vSwitch0**	Management Network	0	vmnic2
	vSwitch0	VM Network	0	vmnic2
	DSwitch	DSwitch-VM-Network	0	vmnic0,vmnic1

VMkernel Network Adapters, Port Groups, MTUs, TCP/IP Stacks, and Services

Client Host	Device	Port Group/DVPort	MTU	TCP/IP Stack	Services
Client Host 1	**vmk0**	Management Network	1500	Default	Management
Client Host 2	**vmk0**	Management Network	1500	Default	Management
Client Host 3	**vmk0**	Management Network	1500	Default	Management
Client Host 4	**vmk0**	Management Network	1500	Default	Management
Client Host 5	**vmk0**	Management Network	1500	Default	Management
Client Host 6	**vmk0**	Management Network	1500	Default	Management

Client Storage Notes	See Client Notes Section
Other Hardware	None
Other Software	VMware ESXi 8.0 Update 3e, Build 24674464

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 except Client VMs and template VMs (default single core per socket)
- All Client VMs vCPU set to 84 (default 64)
- Logging was disabled for all VMs (default enabled)
- All DS35DB, NoSQLBench, SocialNetwork and Auction K VMs had CPU shares set to High (default Normal)
- All Standby VMs had CPU shares set to Low (default Normal)
- All memory reserved (LockedToMax) for all DS35DB VMs
- sched.mem.lpage.enable1GPage set to TRUE for all DS35DB VMs (default FALSE)
- CD/DVD device was removed from all VMs (default present)
- PrimeClient's second virtual disk configured to be 1.2 TB (default: 50 GB)

SUT Host ESXi Advanced Settings:

Advanced Setting	Host 1	Host 2	Host 3	Host 4	Default
Cpu.CreditAgePeriod	1000	1000	1000	1000	3000
Cpu.HTWholeCoreThreshold	0	0	0	0	800
DataMover.HardwareAcceleratedInit	0	0	0	0	1
DataMover.HardwareAcceleratedMove	0	0	0	0	1
Disk.IdleCredit	64	64	64	64	32
Disk.ReqCallThreshold	1	1	1	1	8
Mem.CtlMaxPercent	0	0	0	0	65
Mem.ShareScanGHz	0	0	0	0	4
Numa.LTermFairnessInterval	0	0	0	0	5
Numa.LocalityWeightActionAffinity	0	0	0	0	130
Numa.MigImbalanceThreshold	57	57	57	57	10
Numa.PageMigEnable	0	0	0	0	1
Numa.RebalancePeriod	60000	60000	60000	60000	2000
Numa.SwapLoadEnable	0	0	0	0	1
Numa.SwapLocalityEnable	0	0	0	0	1
Power.CpuPolicy	Performance	Performance	Performance	Performance	Balanced
UserVars.HostClientCEIPOptIn	2	2	2	2	0

SUT Host ESXi Module Options:

Module	Host 1	Host 2	Host 3	Host 4	Default
tcpip4	ipv6=1	ipv6=1	ipv6=1	ipv6=1	ipv6=1

Server Notes

- HPE Workload Profile set to "Virtualization - Max Performance" (default: General Power Efficient Compute)
- Thermal Configuration set to Maximum Cooling (default: Optimal Cooling)
- Enhanced Processor Performance set to Aggressive (default: Disabled)
- Memory Patrol Scrubbing set to Disabled (default: Enabled)

Networking Notes

- All SUT and Client hosts (except Client host1) were part of the same distributed vSwitch
- All SUT and Client hosts were additionally configured with vSwitch0
- The MTU of the distributed vSwitch and vSwitch0 on SUT hosts was set to 9000 (default 1500). Except where noted differently below, the same change was made to all vmnics and vmks.

Client host1

- vSwitch0 configuration:
  - Uplink: vmnic2
  - Usage: vmk0 (MTU 1500) - used for management and VM network

SUT hosts

- vSwitch0 configuration:
  - Uplink: vmnic2
  - Usage:
    - vmk0 (MTU 1500) - used for management
    - vmk2 - used for vMotion

Client hosts

- vSwitch0 configuration:
  - Uplink: vmnic2
  - Usage:
    - vmk0 (MTU 1500) - used for management and vMotion
    - One virtual NIC port of PrimeClient VM

Distributed vSwitch configuration

- 'DSwitch-VM-Network' port group:
  - Uplinks:
    - SUT hosts: vmnic1, vmnic3
    - Client hosts: vmnic0, vmnic1
  - Usage:
    - All VMs - including one virtual NIC port of PrimeClient VM

- 'DSwitch-vSAN' port group:
  - Uplinks:
    - SUT hosts: vmnic0
  - Usage:
    - vmk3 on all SUT hosts - used for vSAN

Storage Notes

- On each SUT host, VMware ESXi 8.0 Update 3 was installed on HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device which provides a RAID1 volume on 2 x 480 GB NVMe M.2 SSDs.
- On each client host, VMware ESXi 8.0 Update 3 was installed on HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD.

Primary Storage: VMware vSAN storage

- VMware vSAN 8.0 Update 3 ESA
  - Hardware Configuration
    - 8 x HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM CM7 SSD
  - Software Configuration
    - RDMA support service enabled (for vSAN over RDMA feature)
    - SUTs-Optimal Datastore Default Policy-RAID5 was automatically created by vSAN ESA Auto-Policy management, Following changes were made to the policy:
      - "Object space reservation" set to "Thick provisioning" (default: Thin provisioning)

Secondary Storage: FC Channel Target via SCSI Target Server (LIO)

- Hardware Details
  - HPE ProLiant DL380 Gen11
    - 2 x INTEL XEON PLATINUM 8562Y+(2.8 GHz)
    - 512 GB (8 x 64GB 2Rx4 5600 MHz DDR5 RDIMMs)
    - 2 x HPE SN1700Q 64Gb 2-port FC HBA used as FC target controller
    - 1 x HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device
    - 6 x HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a

- Software Details

    - Operating System: SUSE Linux Enterprise Server 15 SP5 -5.14.21-150500.53-default
    - Fibre Channel Target SW: LIO (part of SUSE Linux Enterprise Server 15 SP5)

- LUN details
    - 1 x HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device
        - 1 LUN (447 GB)
        - Storage system OS (not exported as FC target LUN)
    - 1 x HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device
        - 1 LUN (447 GB)
        - Storage system OS (not exported as FC target LUN)
    - 2 x HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a
        - 2 LUNs (5.82 TB)
        - Deploy Target LUNs
    - 2 x HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a
        - 2 LUNs (5.82 TB)
        - SVmotion Target LUNs
    - 2 x HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a
        - 2 LUNs (5.82 TB)
        - XVmotion Target LUNs

Server Management Notes

VMware vCenter Server Appliance 8.0 Update 3d, Build 24322831 was hosted on Client host1 which is part of the client cluster

Operating System Notes

SUT Host ESXi Image Profile: HPE-Custom-AddOn_803.0.0.12.1.0-11

Software Notes

None

Client Notes

- vSphere DRS Disabled

Client Host ESXi Advanced Settings:

Advanced Setting	Host 1	Host 2	Host 3	Host 4	Host 5	Host 6	Default
UserVars.HostClientCEIPOptIn	2	0	0	0	0	0	0

Client Host ESXi Module Options:

Module	Host 1	Host 2	Host 3	Host 4	Host 5	Host 6	Default
tcpip4	ipv6=1	ipv6=1	ipv6=1	ipv6=1	ipv6=1	ipv6=1	ipv6=1

Client Host ESXi Image Profile: HPE-Custom-AddOn_803.0.0.12.1.0-11

Client Host VMs:

- Client Host 1: VC8
- Client Host 2: Client0

- Client Host 3: Client1
- Client Host 4: Client2
- Client Host 5: Client3
- Client Host 6: PrimeClient

Other Notes

VMmark4.properties Settings

- ReporterSkipNonCompliant = 1 (default 0)
- ErrorImmediate = 1 (default 0)

Virtual Machines

SUT 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
AuctionAppA0	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionAppA1	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionAppA2	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionAppA3	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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**
AuctionAppB0	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionAppB1	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionAppB2	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionAppB3	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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**
AuctionAppC0	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionAppC1	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionAppC2	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionAppC3	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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**
AuctionKA0	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionKA1	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionKA2	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionKA3	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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**
AuctionKB0	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionKB1	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionKB2	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionKB3	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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**
AuctionKC0	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionKC1	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325

AuctionKC2	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionKC3	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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**
AuctionKD0	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionKD1	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionKD2	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionKD3	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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**
AuctionWebA0	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebA1	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebA2	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebA3	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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**
AuctionWebB0	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebB1	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebB2	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
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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**
AuctionWebC0	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebC1	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebC2	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebC3	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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**
AuctionWebDNosql0	4	4	20480	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebDNosql1	4	4	20480	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebDNosql2	4	4	20480	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebDNosql3	4	4	20480	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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**
AuctionWebEDB0	4	4	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebEDB1	4	4	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebEDB2	4	4	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebEDB3	4	4	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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**
AuctionWebF0	2	2	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebF1	2	2	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebF2	2	2	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
AuctionWebF3	2	2	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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**
DS35DB0	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	normal	TRUE	TRUE	normal	vsanDatastore	dvportgroup-77	17	12325
DS35DB1	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	normal	TRUE	TRUE	normal	vsanDatastore	dvportgroup-77	17	12325
DS35DB2	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	normal	TRUE	TRUE	normal	vsanDatastore	dvportgroup-77	17	12325
DS35DB3	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	normal	TRUE	TRUE	normal	vsanDatastore	dvportgroup-77	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	vsanDatastore	dvportgroup-77	17	12325
DS35WebA1	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
DS35WebA2	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
DS35WebA3	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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	vsanDatastore	dvportgroup-77	17	12325
DS35WebB1	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
DS35WebB2	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
DS35WebB3	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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	vsanDatastore	dvportgroup-77	17	12325
DS35WebC1	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
DS35WebC2	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
DS35WebC3	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
NoSQLBenchA1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
NoSQLBenchA2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
NoSQLBenchA3	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
NoSQLBenchB1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
NoSQLBenchB2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
NoSQLBenchB3	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
NoSQLBenchC1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
NoSQLBenchC2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
NoSQLBenchC3	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
SocialNetwork1	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
SocialNetwork2	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
SocialNetwork3	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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	vsanDatastore	dvportgroup-77	17	12325
Standby1	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
Standby2	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325
Standby3	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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-4.0.2-209	4	1	32768	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	17	12325

VMmark-4.0.2-209-02	4	1	32768	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	vsanDatastore	dvportgroup-77	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	84	1	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client-DS1	dvportgroup-77	17	12325
Client1	84	1	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client-DS2	dvportgroup-77	17	12325
Client2	84	1	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client-DS3	dvportgroup-77	17	12325
Client3	84	1	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client-DS4	dvportgroup-77	17	12325
PrimeClient	4	4	32768	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	PC-DS	VM Network, dvportgroup-77	17	12325
VC8	16	1	39936	FALSE	TRUE	Present	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	VC-DS	VM Network	10	12389
