

VMmark [®] 4.0.2 Disclosure											
Server Vendor & Model: HPE ProLiant DL385 Gen11 Storage Vendor & Model: iSCSI with 2 * HPE ProLiant DL385 Gen11 Hypervisor: VMware ESXi 8.0 Update 3, Build 24022510 Server Management Software: VMware vCenter Server 8.0 Update 3, Build 24022515						VMmark 4.0.2 Score = 2.53 @ 3 Tiles					
Number of Hosts: 2			Uniform Hosts: yes				Total sockets/cores/threads in test: 4/192/384				
Tested By: Hewlett Packard Enterprise			Test Date: 02-06-2025				SUT Availability Date: 01-06-2025				
Performance Section Performance		Configuration Section Configuration			Notes Section Notes for Workload			Virtual Machines Section Virtual Machines			

Performance

TILE_0_Scores	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	
p0	14084.45	9232.02	2788.45	1969.30	1512.53	48075.20	48080.21	48082.11	58.80	1.00	
p1	14061.03	9214.23	2762.38	1994.72	1418.88	49165.92	49166.14	49166.08	58.74	1.00	
p2	14052.73	9279.80	2796.60	1965.88	1457.47	48908.68	48908.93	48908.60	58.28	1.00	
TILE_0_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean
p0	1.01	1.00	0.96	0.92	0.99	0.85	0.85	0.85	0.82	1.00	0.91
p1	1.00	1.00	0.95	0.93	0.93	0.87	0.87	0.87	0.82	1.00	0.91
p2	1.00	1.01	0.96	0.91	0.95	0.87	0.87	0.87	0.81	1.00	0.91
TILE_0_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC			
p0	0.95 0.05	0.33 0.00	503.21	608.59	599.12	0.65	0.65	0.66			
p1	0.97 0.07	0.34 0.00	519.95	575.53	631.11	0.68	0.68	0.68			
p2	1.14 0.15	0.34 0.00	498.77	606.62	668.80	0.70	0.69	0.70			
TILE_1_Scores	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	
p0	14039.84	9213.76	3020.15	2153.43	1604.00	56590.36	56612.09	56411.41	72.02	1.00	
p1	13997.92	9228.98	2993.60	2245.88	1661.05	53456.47	53457.14	53456.50	71.98	1.00	
p2	13990.39	9230.45	2996.82	2123.55	1557.60	51710.71	51711.34	51710.71	71.95	1.00	
TILE_1_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean
p0	1.00	1.00	1.04	1.00	1.05	1.00	1.00	1.00	1.00	1.00	1.01
p1	1.00	1.00	1.03	1.04	1.09	0.95	0.95	0.95	1.00	1.00	1.00
p2	1.00	1.00	1.03	0.99	1.02	0.92	0.92	0.92	1.00	1.00	0.98
TILE_1_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC			
p0	0.42 0.01	0.30 0.00	356.73	378.63	407.39	0.64	0.65	0.64			
p1	0.45 0.01	0.30 0.00	370.15	420.66	431.19	0.68	0.69	0.68			
p2	0.48 0.00	0.31 0.00	369.70	409.70	463.13	0.70	0.71	0.70			

TILE_2_Scores	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby			
p0	14002.69	9235.57	3083.68	2161.18	1680.10	48293.14	48313.77	48310.16	59.51	1.00			
p1	13981.37	9228.32	3080.12	2325.07	1722.05	49982.48	49983.49	49982.75	59.90	1.00			
p2	13977.37	9212.71	3038.50	2173.62	1655.45	49757.35	49757.94	49757.27	59.63	1.00			
TILE_2_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean		
p0	1.00	1.00	1.06	1.01	1.10	0.85	0.86	0.86	0.83	1.00	0.95		
p1	1.00	1.00	1.06	1.08	1.13	0.88	0.88	0.88	0.83	1.00	0.97		
p2	1.00	1.00	1.05	1.01	1.08	0.88	0.88	0.88	0.83	1.00	0.95		
TILE_2_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC					
p0	0.74 0.06	0.33 0.00	319.26	374.49	329.73	0.63	0.63	0.63					
p1	0.71 0.04	0.32 0.00	325.66	366.33	369.69	0.66	0.66	0.66					
p2	0.80 0.06	0.33 0.00	342.28	362.63	353.85	0.68	0.68	0.68					
p0_score:	2.87												
p1_score:	2.88												
p2_score:	2.84												
Infrastructure_Operations_Scores:					vMotion		SVMotion		XVMotion		Deploy		
Completed_Ops_PerHour					29.50		16.00		16.00		19.00		
Avg_Seconds_To_Complete					1.00		19.81		18.06		150.66		
Failures					0.00		0.00		0.00		0.00		
Ratio					1.00		1.23		1.23		1.31		
Number_Of_Threads					1		1		1		1		
Summary						Run_Is_Compliant			Median_Phase(p0)				
Unreviewed_VMmark4_Applications_Score						2.87							
Unreviewed_VMmark4_Infrastructure_Score						1.19							
Unreviewed_VMmark4_Score						2.53 @ 3 Tiles							

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	HPE ProLiant DL385 Gen11						
Processor Vendor and Model	AMD EPYC 9475F						
Processor Speed (GHz) / Turbo Boost Speed (GHz)	3.65 GHz / 4.8 GHz						
Total Sockets/Total Cores/Total Threads	2 Sockets / 96 Cores / 192 Threads						
NUMA Nodes	2						
BIOS Version	2.30						
Memory Size (in GB, Number of DIMMs)	Physical Memory (BIOS): 1536 GB Physical Memory (ESXi): 1536 GB Number of DIMMs: 24						
Memory Type and Speed	Location	Size	Speed	Max Speed	Rank	Type	Detail
	PROC 1 DIMM 1	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 1 DIMM 2	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 1 DIMM 3	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 1 DIMM 4	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 1 DIMM 5	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 1 DIMM 6	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 1 DIMM 7	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 1 DIMM 8	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 1 DIMM 9	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 1 DIMM 10	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 1 DIMM 11	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 1 DIMM 12	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 2 DIMM 1	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 2 DIMM 2	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 2 DIMM 3	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 2 DIMM 4	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 2 DIMM 5	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 2 DIMM 6	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 2 DIMM 7	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 2 DIMM 8	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 2 DIMM 9	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered
	PROC 2 DIMM 10	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered

	<table><tr><td>PROC 2 DIMM 11</td><td>64 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>PROC 2 DIMM 12</td><td>64 GB</td><td>6000 MT/s</td><td>6400 MT/s</td><td>2</td><td>DDR5</td><td>Synchronous, Registered</td></tr></table>	PROC 2 DIMM 11	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered	PROC 2 DIMM 12	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered																					
PROC 2 DIMM 11	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered																														
PROC 2 DIMM 12	64 GB	6000 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered																														
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)	- Power supply information: 2 * HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit per server (P38997-B21) - Firmware: 2.0 - Voltage Type: 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)	01-17-2025																																			
Hardware Availability Date (MM-DD-YYYY)	01-06-2025																																			
Software Availability Date (MM-DD-YYYY)	06-25-2024																																			
Network																																				
Number of Virtual Network Controllers	4																																			
Virtual Network Controllers, Speeds, MTUs, Firmware, Drivers, Vendors, and Models	<table><tr><td>Device</td><td>Speed</td><td>Duplex</td><td>MTU</td><td>Firmware</td><td>Driver</td><td>Description</td></tr><tr><td>vmnic0</td><td>25 Gbps</td><td>Full</td><td>9000</td><td>26.33.1048</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)</td></tr><tr><td>vmnic1</td><td>25 Gbps</td><td>Full</td><td>9000</td><td>26.33.1048</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)</td></tr><tr><td>vmnic2</td><td>100 Gbps</td><td>Full</td><td>9000</td><td>28.36.1700</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-7 VPI NIC; NDR200/HDR IB /200GbE; dual-port QSFP; PCIe5.0 x16; (MCX755106AS-HEA)</td></tr><tr><td>vmnic3</td><td>100 Gbps</td><td>Full</td><td>9000</td><td>28.36.1700</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-7 VPI NIC; NDR200/HDR IB /200GbE; dual-port QSFP; PCIe5.0 x16; (MCX755106AS-HEA)</td></tr></table>	Device	Speed	Duplex	MTU	Firmware	Driver	Description	vmnic0	25 Gbps	Full	9000	26.33.1048	nmlx5_core	Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)	vmnic1	25 Gbps	Full	9000	26.33.1048	nmlx5_core	Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)	vmnic2	100 Gbps	Full	9000	28.36.1700	nmlx5_core	Mellanox Technologies ConnectX-7 VPI NIC; NDR200/HDR IB /200GbE; dual-port QSFP; PCIe5.0 x16; (MCX755106AS-HEA)	vmnic3	100 Gbps	Full	9000	28.36.1700	nmlx5_core	Mellanox Technologies ConnectX-7 VPI NIC; NDR200/HDR IB /200GbE; dual-port QSFP; PCIe5.0 x16; (MCX755106AS-HEA)
Device	Speed	Duplex	MTU	Firmware	Driver	Description																														
vmnic0	25 Gbps	Full	9000	26.33.1048	nmlx5_core	Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)																														
vmnic1	25 Gbps	Full	9000	26.33.1048	nmlx5_core	Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)																														
vmnic2	100 Gbps	Full	9000	28.36.1700	nmlx5_core	Mellanox Technologies ConnectX-7 VPI NIC; NDR200/HDR IB /200GbE; dual-port QSFP; PCIe5.0 x16; (MCX755106AS-HEA)																														
vmnic3	100 Gbps	Full	9000	28.36.1700	nmlx5_core	Mellanox Technologies ConnectX-7 VPI NIC; NDR200/HDR IB /200GbE; dual-port QSFP; PCIe5.0 x16; (MCX755106AS-HEA)																														
Number of Virtual Switches	3																																			
Virtual Switches, Ports, Port Groups, MTUs, and Uplinks	<table><tr><td>Switch</td><td>Ports</td><td>Configured Ports</td><td>MTU</td><td>Uplinks</td></tr><tr><td>vSwitch0</td><td>9216</td><td>128</td><td>9000</td><td>vmnic0</td></tr><tr><td>vSwitch1</td><td>9216</td><td>128</td><td>9000</td><td>vmnic1</td></tr><tr><td>vSwitch2</td><td>9216</td><td>128</td><td>9000</td><td>vmnic2, vmnic3</td></tr></table> <table><tr><td>Switch</td><td>Port Group</td><td>VLAN ID</td><td>Uplinks</td></tr><tr><td>vSwitch0</td><td>Management Network</td><td>0</td><td>vmnic0</td></tr></table>	Switch	Ports	Configured Ports	MTU	Uplinks	vSwitch0	9216	128	9000	vmnic0	vSwitch1	9216	128	9000	vmnic1	vSwitch2	9216	128	9000	vmnic2, vmnic3	Switch	Port Group	VLAN ID	Uplinks	vSwitch0	Management Network	0	vmnic0							
Switch	Ports	Configured Ports	MTU	Uplinks																																
vSwitch0	9216	128	9000	vmnic0																																
vSwitch1	9216	128	9000	vmnic1																																
vSwitch2	9216	128	9000	vmnic2, vmnic3																																
Switch	Port Group	VLAN ID	Uplinks																																	
vSwitch0	Management Network	0	vmnic0																																	

	<table><tr><td>vSwitch0</td><td>VM Network</td><td>0</td><td>vmnic0</td></tr><tr><td>vSwitch1</td><td>vmotion</td><td>0</td><td>vmnic1</td></tr><tr><td>vSwitch2</td><td>iSER1</td><td>0</td><td>vmnic2</td></tr><tr><td>vSwitch2</td><td>iSER2</td><td>0</td><td>vmnic3</td></tr></table>				vSwitch0	VM Network	0	vmnic0	vSwitch1	vmotion	0	vmnic1	vSwitch2	iSER1	0	vmnic2	vSwitch2	iSER2	0	vmnic3										
vSwitch0	VM Network	0	vmnic0																											
vSwitch1	vmotion	0	vmnic1																											
vSwitch2	iSER1	0	vmnic2																											
vSwitch2	iSER2	0	vmnic3																											
VMkernel Network Adapters, Port Groups, MTUs, TCP/IP Stacks, and Services	<table><tr><td>Device</td><td>Port Group/DVPort</td><td>MTU</td><td>TCP/IP Stack</td><td>Services</td></tr><tr><td>vmk0</td><td>Management Network</td><td>9000</td><td>Default</td><td>Management</td></tr><tr><td>vmk1</td><td>iSER1</td><td>9000</td><td>Default</td><td>None</td></tr><tr><td>vmk2</td><td>iSER2</td><td>9000</td><td>Default</td><td>None</td></tr><tr><td>vmk3</td><td>vmotion</td><td>9000</td><td>Default</td><td>vMotion</td></tr></table>					Device	Port Group/DVPort	MTU	TCP/IP Stack	Services	vmk0	Management Network	9000	Default	Management	vmk1	iSER1	9000	Default	None	vmk2	iSER2	9000	Default	None	vmk3	vmotion	9000	Default	vMotion
Device	Port Group/DVPort	MTU	TCP/IP Stack	Services																										
vmk0	Management Network	9000	Default	Management																										
vmk1	iSER1	9000	Default	None																										
vmk2	iSER2	9000	Default	None																										
vmk3	vmotion	9000	Default	vMotion																										
Physical Switch Vendors, Models, and Speeds	HPE SN2700M 100GE 32QSFP28																													
Primary Storage																														
Storage Category	iSCSI Target																													
Datastores	Datastores		Type	Size	Storage Device																									
	OSDATA-3a53b5b8-52790f3c-84b2-000f53bd2ef0		VMFSOS	128.6 GB	Local NVMe Disk																									
	deploy		VMFS-6	8.8 TB	LIO-ORG iSCSI Disk																									
	nosql0		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	nosql1		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	nosql2		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	nosql3		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	nosql4		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	nosql5		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	nosql6		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	nosql7		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	source		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	target		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	tile0		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	tile1		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	tile2		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	tile3		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	tile4		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	tile5		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	tile6		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
	tile7		VMFS-6	2.2 TB	LIO-ORG iSCSI Disk																									
Number of Storage Devices	20																													
Storage Device Names, Sizes, Types, Vendors, Models, and	<table><tr><td>Storage Device</td><td>Size</td><td>Type</td><td>Vendor</td><td>Model</td><td>Revision</td><td>Path Selection Policy</td><td>Path Selection Policy Config</td><td># Working Paths</td></tr></table>									Storage Device	Size	Type	Vendor	Model	Revision	Path Selection Policy	Path Selection Policy Config	# Working Paths												
Storage Device	Size	Type	Vendor	Model	Revision	Path Selection Policy	Path Selection Policy Config	# Working Paths																						

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)	4																																															
Number of Client Hosts (all subsequent fields in this section are per Client Host)	2																																															
System Model(s)	- Client Host 1: HPE ProLiant DL385 Gen11 - Client Host 2: HPE ProLiant DL385 Gen11																																															
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	<table><tr><th>Client Host</th><th>Sockets</th><th>Cores</th><th>Threads</th></tr><tr><td>Client Host 1</td><td>2</td><td>256</td><td>512</td></tr><tr><td>Client Host 2</td><td>2</td><td>256</td><td>512</td></tr><tr><td>Total</td><td>4</td><td>512</td><td>1024</td></tr></table>										Client Host	Sockets	Cores	Threads	Client Host 1	2	256	512	Client Host 2	2	256	512	Total	4	512	1024																						
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: 4 - Client Host 2: 4																																															
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>1536 GB</td><td>1536 GB</td></tr><tr><td>Client Host 2</td><td>1536 GB</td><td>1536 GB</td></tr></table>										Client Host	BIOS	ESXi	Client Host 1	1536 GB	1536 GB	Client Host 2	1536 GB	1536 GB																													
Client Host	BIOS	ESXi																																														
Client Host 1	1536 GB	1536 GB																																														
Client Host 2	1536 GB	1536 GB																																														
Virtual Network Controllers, Speeds, MTUs, Firmware, Drivers, Vendors, and Models	<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="2">Client Host 1</td><td>vmnic0</td><td>25 Gbps</td><td>Full</td><td>9000</td><td>26.33.1048</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)</td></tr><tr><td>vmnic1</td><td>25 Gbps</td><td>Full</td><td>9000</td><td>26.33.1048</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)</td></tr><tr><td rowspan="2">Client Host 2</td><td>vmnic0</td><td>25 Gbps</td><td>Full</td><td>9000</td><td>26.33.1048</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)</td></tr><tr><td>vmnic1</td><td>25 Gbps</td><td>Full</td><td>9000</td><td>26.33.1048</td><td>nmlx5_core</td><td>Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)</td></tr></table>										Client Host	Device	Speed	Duplex	MTU	Firmware	Driver	Description	Client Host 1	vmnic0	25 Gbps	Full	9000	26.33.1048	nmlx5_core	Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)	vmnic1	25 Gbps	Full	9000	26.33.1048	nmlx5_core	Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)	Client Host 2	vmnic0	25 Gbps	Full	9000	26.33.1048	nmlx5_core	Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)	vmnic1	25 Gbps	Full	9000	26.33.1048	nmlx5_core	Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)
Client Host	Device	Speed	Duplex	MTU	Firmware	Driver	Description																																									
Client Host 1	vmnic0	25 Gbps	Full	9000	26.33.1048	nmlx5_core	Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)																																									
	vmnic1	25 Gbps	Full	9000	26.33.1048	nmlx5_core	Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)																																									
Client Host 2	vmnic0	25 Gbps	Full	9000	26.33.1048	nmlx5_core	Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)																																									
	vmnic1	25 Gbps	Full	9000	26.33.1048	nmlx5_core	Mellanox Technologies ConnectX-6 Lx EN NIC; 25GbE; dual-port SFP28; PCIe4.0 x8; (MCX631102AN-ADA)																																									
Virtual Switches, Ports, Port Groups, MTUs, and Uplinks	<table><tr><th>Client Host</th><th>Switch</th><th>Ports</th><th>Configured Ports</th><th>MTU</th><th>Uplinks</th></tr><tr><td>Client Host 1</td><td>vSwitch0</td><td>9216</td><td>128</td><td>9000</td><td>vmnic0, vmnic1</td></tr></table>										Client Host	Switch	Ports	Configured Ports	MTU	Uplinks	Client Host 1	vSwitch0	9216	128	9000	vmnic0, vmnic1																										
Client Host	Switch	Ports	Configured Ports	MTU	Uplinks																																											
Client Host 1	vSwitch0	9216	128	9000	vmnic0, vmnic1																																											

	Client Host 2		vSwitch0	9216	128	9000	vmnic0, vmnic1
	Client Host	Switch	Port Group		VLAN ID	Uplinks	
	Client Host 1	vSwitch0	Management Network		0	vmnic0, vmnic1	
		vSwitch0	VM Network		0	vmnic0, vmnic1	
	Client Host 2	vSwitch0	Management Network		0	vmnic0, vmnic1	
		vSwitch0	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	9000	Default	vSAN, Management, vMotion	
	Client Host 2	vmk0	Management Network	9000	Default	vSAN, Management, vMotion	
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 1
- vSphere DRS Advanced Option AggressiveCPUActive set to 1
- Logical CPU layout changed for all multi-CPU VMs to 1 socket with multiple cores except Template, PrimeClient,and Client VMs.(default single core per socket)
- 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 TB (default: 50 GB)

SUT Host ESXi Advanced Settings:

Advanced Setting	Host 1	Host 2	Default
Cpu.CreditAgePeriod	1000	1000	3000
Cpu.HTWholeCoreThreshold	0	0	800
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

- HPE Workload Profile set to "Virtualization - Max Performance" (default: General Power Efficient Compute)
- Thermal Configuration set to Maximum Cooling (default: Optimal Cooling)
- Determinism control set to manual (default: Auto)
- Minimum Processor Idle Power Core C-state set to No C-states (default: C6)
- Memory Patrol Scrubbing set to Disabled (default: Enabled)
- ACPI CST C2 Latency set to 18 ms (default: 800 ms)

Networking Notes

SUT hosts

- vSwitch0 configuration
 - Uplink: vmnic0
 - Usage: vmk0 (MTU 9000) - used for management and VM network
- vSwitch1 configuration
 - Uplink: vmnic1
 - Usage: vmk3 (MTU 9000) - used for vMotion
- vSwitch2 configuration
 - Uplink: vmnic2, vmnic3
 - Usage:
 - vmk1 (MTU 9000) - configured for iSCSI traffic, vmnic2 configured as the Failover Override Active Adapter for Portgroup iSER1
 - vmk2 (MTU 9000) - configured for iSCSI traffic, vmnic3 configured as the Failover Override Active Adapter for Portgroup iSER2

Client hosts

- vSwitch0 configuration
 - Uplink: vmnic0, vmnic1
 - Usage: vmk0 (MTU 9000) - used for management, vMotion, and Client VM network
 - vSAN networking was enabled, but unused on vmk0

Storage Notes

OS Storage

- 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 NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device which provides a RAID1 volume on 2 x 480 GB NVMe M.2 SSDs.

Primary and Secondary Storage: iSCSI Target via SCSI Target Server (LIO)

- Hardware details
 - 2 x HPE ProLiant DL385 Gen11
 - 2 x AMD EPYC 9374F (3.85 GHz)
 - 1.5TB (24 x 64GB 2Rx4 5600 MHz DDR5 RDIMMs)
 - 1 x 2-port Mellanox Technologies ConnectX-7 VPI NDR200/HDR IB /200GbE NIC used as iSCSI target controller(Operating at 100 Gbps speed)
 - 1 x HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device
 - 24 x HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743
- Software Details
 - Operating System: Canonical Ubuntu Linux 24.04 LTS - 6.8.0-41-generic
 - iSCSI Target SW: LIO
 - Software RAID configuration
 - On each iSCSI Target, two RAID 10 volume groups created on 12 x HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743
- All disks within each RAID 10 volume group were exclusively connected to socket 1 or socket 2
- LUN details
 - iSCSI Target 1, socket 1, RAID 10 volume group
 - 3 x 2TB volume groups exported as LUNs named nosql0, nosql2, and source
 - nosql0 LUN stored AuctionWebDNosql,NoSQLBenchA,NoSQLBenchB, and NoSQLBenchC VMs of Tile0
 - nosql2 LUN stored AuctionWebDNosql,NoSQLBenchA,NoSQLBenchB, and NoSQLBenchC VMs of Tile2
 - source LUN stored AuctionWebF and DS35WebA VMs for all the tiles
 - iSCSI Target 1, socket 2, RAID 10 volume group
 - 2 x 2TB volume groups exported as LUNs named nosql1 and target
 - nosql1 LUN stored AuctionWebDNosql,NoSQLBenchA,NoSQLBenchB, and NoSQLBenchC VMs of Tile1
 - target LUN was used for Storage Vmotion and XvMotion operations
 - iSCSI Target 2, socket 1, RAID 10 volume group
 - 2 x 2TB volume groups exported as LUNs named tile0 and tile2
 - tile0 LUN stored AuctionAppA,AuctionAppB,AuctionAppC,AuctionWebA,AuctionWebB,AuctionWebC,AuctionWebEDB,DS35WebB,DS35WebC,Standby,SocialNetwork VMs of Tile0
 - tile2 LUN stored AuctionAppA,AuctionAppB,AuctionAppC,AuctionWebA,AuctionWebB,AuctionWebC,AuctionWebEDB,DS35WebB,DS35WebC,Standby,SocialNetwork VMs of Tile2
 - iSCSI Target 2, socket 2, RAID 10 volume group
 - 1 x 2TB volume group exported as LUNs named tile1
 - tile1 LUN stored AuctionAppA,AuctionAppB,AuctionAppC,AuctionWebA,AuctionWebB,AuctionWebC,AuctionWebEDB,DS35WebB,DS35WebC,Standby,SocialNetwork VMs of Tile1

Server Management Notes

VMware vCenter Server Appliance 8.0 Update 3, Build 24022515 was hosted on Client host2 which is part of the client cluster

Operating System Notes

SUT Host ESXi Image Profile: (Updated) HPE-Custom-AddOn_803.0.0.11.7.0-23

Software Notes

None

Client Notes

- vSphere DRS Disabled

Client Host ESXi Advanced Settings:

Advanced Setting	Host 1	Host 2	Default
Power.CpuPolicy	Performance	Performance	Balanced
UserVars.HostClientCEIPOptIn	2	2	0

Client Host ESXi Module Options:

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

Client Host ESXi Image Profile: (Updated) HPE-Custom-AddOn_803.0.0.11.7.0-23

Client Storage

- 2 * HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743 SSD was used for all client VMs, including the PrimeClient, and the vCenter Server VM
 - All Client VMs stored on the first NVMe of each Client host, except the PrimeClient
 - The PrimeClient and VCSA VM were stored on the second NVMe of the second Client host

Client Host VMs:

- Client Host 1: Client0, Client2
- Client Host 2: Client1, PrimeClient, VCSA8U3

Other Notes

None

VMmark4.properties Settings

- TileDelay = 15 (default 60)
- LogLevel = DEBUG (default INFO)
- 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	tile0	VM Network	17	12325
AuctionAppA1	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
AuctionAppA2	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	tile0	VM Network	17	12325
AuctionAppB1	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
AuctionAppB2	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	tile0	VM Network	17	12325
AuctionAppC1	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
AuctionAppC2	4	4	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	tile0	VM Network	17	12325
AuctionKA1	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
AuctionKA2	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	tile0	VM Network	17	12325
AuctionKB1	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
AuctionKB2	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	tile0	VM Network	17	12325
AuctionKC1	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
AuctionKC2	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	tile0	VM Network	17	12325
AuctionKD1	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
AuctionKD2	8	8	32768	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	tile0	VM Network	17	12325
AuctionWebA1	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
AuctionWebA2	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	tile0	VM Network	17	12325
AuctionWebB1	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
AuctionWebB2	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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
AuctionWebC0	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile0	VM Network	17	12325
AuctionWebC1	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
AuctionWebC2	4	4	12288	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	nosql0	VM Network	17	12325
AuctionWebDNosql1	4	4	20480	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	nosql1	VM Network	17	12325
AuctionWebDNosql2	4	4	20480	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	nosql2	VM Network	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	tile0	VM Network	17	12325
AuctionWebEDB1	4	4	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325

AuctionWebEDB2	4	4	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	source	VM Network	17	12325
AuctionWebF1	2	2	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	source	VM Network	17	12325
AuctionWebF2	2	2	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	source	VM Network	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	high	TRUE	TRUE	normal	tile0	VM Network	17	12325
DS35DB1	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	high	TRUE	TRUE	normal	tile1	VM Network	17	12325
DS35DB2	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	high	TRUE	TRUE	normal	tile2	VM Network	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	source	VM Network	17	12325
DS35WebA1	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	source	VM Network	17	12325
DS35WebA2	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	source	VM Network	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	VM Network	17	12325
DS35WebB1	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
DS35WebB2	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	VM Network	17	12325
DS35WebC1	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
DS35WebC2	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	nosql0	VM Network	17	12325
NoSQLBenchA1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	nosql1	VM Network	17	12325
NoSQLBenchA2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	nosql2	VM Network	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	nosql0	VM Network	17	12325
NoSQLBenchB1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	nosql1	VM Network	17	12325
NoSQLBenchB2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	nosql2	VM Network	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	nosql0	VM Network	17	12325
NoSQLBenchC1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	nosql1	VM Network	17	12325
NoSQLBenchC2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	nosql2	VM Network	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	tile0	VM Network	17	12325
SocialNetwork1	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
SocialNetwork2	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	VM Network	17	12325
Standby1	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
Standby2	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	tile2	VM Network	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	source	VM Network	17	12325
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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	client1-datastore1	VM Network	17	12325
Client1	64	1	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	client2-datastore1	VM Network	17	12325
Client2	64	1	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	client1-datastore1	VM Network	17	12325
PrimeClient	4	1	32768	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	client2-datastore2	VM Network, VM Network	17	12325
VCSA8U3	8	1	30720	FALSE	TRUE	Present	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	client2-datastore2	VM Network	10	12389

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