

VMmark [®] 4.0.2 Disclosure											
Server Vendor & Model: Dell PowerEdge R770 Storage Vendor & Model: Dell PowerMax 8000 Hypervisor: VMware ESXi 8.0 Update 3e, Build 24591589 Server Management Software: VMware vCenter Server 8.0 Update 3d, Build 24322831						VMmark 4.0.2 Score = 3.34 @ 4.2 Tiles					
Number of Hosts: 2			Uniform Hosts: yes				Total sockets/cores/threads in test: 4/344/688				
Tested By: Dell Technologies			Test Date: 03-04-2025				SUT Availability Date: 04-10-2025				
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	14124.92	9265.09	3013.05	2242.88	1641.12	53825.47	53825.61	53825.19	72.04	1.00	
p1	14122.69	9245.07	2981.43	2235.38	1709.45	52524.23	52523.80	52524.26	72.00	1.00	
p2	14121.95	9221.11	2950.18	2237.65	1628.33	51134.80	51135.00	51134.66	71.98	1.00	
TILE_0_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean
p0	1.01	1.01	1.04	1.04	1.07	0.95	0.95	0.95	1.00	1.00	1.00
p1	1.01	1.00	1.03	1.04	1.12	0.93	0.93	0.93	1.00	1.00	1.00
p2	1.01	1.00	1.02	1.04	1.06	0.91	0.91	0.91	1.00	1.00	0.98
TILE_0_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC			
p0	0.24 0.00	0.60 0.01	358.61	371.19	378.77	0.64	0.64	0.64			
p1	0.26 0.00	0.65 0.02	375.35	375.96	387.09	0.67	0.68	0.68			
p2	0.29 0.01	0.66 0.01	391.29	377.04	388.91	0.70	0.70	0.70			
TILE_1_Scores	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	
p0	14141.99	9289.48	2836.07	2156.10	1560.08	48801.28	48799.99	48800.11	62.31	1.00	
p1	14130.84	9265.55	2819.03	2020.88	1486.95	47135.45	47135.01	47134.94	61.43	1.00	
p2	14120.60	9277.67	2774.43	2153.85	1542.53	45812.68	45812.17	45812.22	60.31	1.00	
TILE_1_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean
p0	1.01	1.01	0.98	1.00	1.02	0.86	0.86	0.86	0.87	1.00	0.94
p1	1.01	1.01	0.97	0.94	0.97	0.83	0.83	0.83	0.85	1.00	0.91
p2	1.01	1.01	0.96	1.00	1.01	0.81	0.81	0.81	0.84	1.00	0.91
TILE_1_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC			
p0	0.35 0.05	0.73 0.01	468.18	498.77	547.41	0.72	0.72	0.72			
p1	0.38 0.06	0.80 0.02	473.31	505.60	554.37	0.75	0.75	0.75			
p2	0.48 0.14	0.80 0.01	506.40	510.51	567.85	0.79	0.79	0.80			

TILE_2_Scores	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	
p0	14153.35	9239.13	2940.07	2257.55	1712.62	53815.96	53816.00	53815.41	72.00	1.00	
p1	14133.32	9256.48	2925.30	2107.60	1499.08	53430.35	53430.48	53430.05	72.00	1.00	
p2	14137.38	9229.51	2887.40	2246.28	1698.03	52318.75	52318.75	52318.49	72.01	1.00	
TILE_2_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean
p0	1.01	1.00	1.01	1.05	1.12	0.95	0.95	0.95	1.00	1.00	1.00
p1	1.01	1.01	1.01	0.98	0.98	0.95	0.95	0.95	1.00	1.00	0.98
p2	1.01	1.00	1.00	1.04	1.11	0.93	0.93	0.93	1.00	1.00	0.99
TILE_2_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC			
p0	0.23 0.00	0.54 0.00	396.94	420.89	451.60	0.62	0.61	0.62			
p1	0.25 0.01	0.56 0.00	408.71	420.22	458.11	0.66	0.65	0.66			
p2	0.27 0.01	0.58 0.00	429.42	430.09	462.50	0.67	0.67	0.67			
TILE_3_Scores	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	
p0	14150.55	9235.01	2830.47	2089.75	1561.58	45080.55	45079.75	45080.96	60.56	1.00	
p1	14126.08	9231.30	2814.90	2103.28	1489.92	45689.45	45689.30	45689.80	60.59	1.00	
p2	14139.75	9235.11	2780.88	2084.97	1550.92	45065.41	45065.32	45065.63	59.73	1.00	
TILE_3_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean
p0	1.01	1.00	0.98	0.97	1.02	0.80	0.80	0.80	0.84	1.00	0.91
p1	1.01	1.00	0.97	0.98	0.97	0.81	0.81	0.81	0.84	1.00	0.91
p2	1.01	1.00	0.96	0.97	1.01	0.80	0.80	0.80	0.83	1.00	0.90
TILE_3_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC			
p0	0.31 0.04	0.55 0.00	470.56	501.61	546.94	0.69	0.69	0.69			
p1	0.40 0.10	0.53 0.00	485.09	496.13	549.20	0.73	0.72	0.73			
p2	0.41 0.11	0.58 0.00	500.58	508.20	557.01	0.77	0.76	0.77			
TILE_4_Scores	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	
p0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	61.34	N/A	
p1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	60.51	N/A	
p2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	58.37	N/A	
TILE_4_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean
p0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.85	N/A	0.09
p1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.84	N/A	0.09
p2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.81	N/A	0.09
TILE_4_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC			
p0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
p1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
p2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
p0_score:	3.95										

p1_score:	3.89
p2_score:	3.88

Infrastructure_Operations_Scores:	vMotion	SVMotion	XVMotion	Deploy
Completed_Ops_PerHour	29.00	15.00	15.00	17.00
Avg_Seconds_To_Complete	1.10	18.90	15.77	171.26
Failures	0.00	0.00	0.00	0.00
Ratio	0.98	1.15	1.15	1.17
Number_Of_Threads	1	1	1	1

Summary	Run_Is_Compliant	Median_Phase(p1)
Unreviewed_VMmark4_Applications_Score	3.89	
Unreviewed_VMmark4_Infrastructure_Score	1.11	
Unreviewed_VMmark4_Score	3.34 @ 4.2 Tiles	

Configuration

Virtualization Software	
Hypervisor Vendor, Product, Version, and Build / Availability Date (MM-DD-YYYY)	VMware ESXi 8.0 Update 3e, Build 24591589 / 04-10-2025
Server Management Software Vendor, Product, Version, and Build / Availability Date (MM-DD-YYYY)	VMware vCenter Server 8.0 Update 3d, Build 24322831 / 10-21-2024
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 R770
Processor Vendor and Model	Intel Xeon 6787P
Processor Speed (GHz) / Turbo Boost Speed (GHz)	2.0 GHz / 3.8 GHz
Total Sockets/Total Cores/Total Threads	2 Sockets / 172 Cores / 344 Threads
NUMA Nodes	4
BIOS Version	1.2.6
Memory Size (in GB, Number of DIMMs)	Physical Memory (BIOS): 1024 GB Physical Memory (ESXi): 1024 GB

	Number of DIMMs: 16										
Memory Type and Speed	Location		Size	Speed	Max Speed	Rank	Type	Detail			
	A1		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	A2		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	A3		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	A4		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	A5		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	A6		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	A7		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	A8		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	B1		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	B2		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	B3		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	B4		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	B5		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	B6		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	B7		64 GB	6400 MT/s	6400 MT/s	2	DDR5	Synchronous, Registered			
	B8		64 GB	6400 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	4										
Virtual Host Bus Adapter Vendors and Models	HBA		Model			Speed	Driver	Firmware			
	vmhba1		Emulex LPe38102-D 2-Port 64Gb Fibre Channel Adapter			32 Gbps	lpfc	14.4.436.10			
	vmhba2		Emulex LPe38102-D 2-Port 64Gb Fibre Channel Adapter			32 Gbps	lpfc	14.4.436.10			
	vmhba64		Emulex LPe38102-D 2-Port 64Gb Fibre Channel Adapter			32 Gbps	lpfc	14.4.436.10			
	vmhba65		Emulex LPe38102-D 2-Port 64Gb Fibre Channel Adapter			32 Gbps	lpfc	14.4.436.10			
Power Supply Quantity, Name/Part Number, Wattage, Firmware, and Type (Voltage, AC/DC)	2, Dell-0P41HJA00, 3200W, 1110, 207V, AC										
Cooling Type (Air Cooling, Closed Loop Cooling, Direct Liquid Cooling, or Other)	Liquid Cooling										
Other Hardware	None										
Other Software	None										
BIOS Availability Date (MM-DD-YYYY)	03-26-2025										

Hardware Availability Date (MM-DD-YYYY)	03-26-2025																																																										
Software Availability Date (MM-DD-YYYY)	04-10-2025																																																										
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>25 Gbps</td><td>Full</td><td>1500</td><td>231.0.154.0 /pkg 23.11.16.22</td><td>bnxtnet</td><td>Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter</td></tr><tr><td>vmnic1</td><td>25 Gbps</td><td>Full</td><td>1500</td><td>231.0.154.0 /pkg 23.11.16.22</td><td>bnxtnet</td><td>Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter</td></tr><tr><td>vmnic2</td><td>25 Gbps</td><td>Full</td><td>1500</td><td>231.0.154.0 /pkg 23.11.16.22</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>1500</td><td>231.0.154.0 /pkg 23.11.16.22</td><td>bnxtnet</td><td>Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter</td></tr><tr><td>vmnic4</td><td>100 Gbps</td><td>Full</td><td>9000</td><td>232.0.156.4 /pkg 232.1.133.4</td><td>bnxtnet</td><td>Broadcom BCM57608 2x100G PCIe Ethernet NIC</td></tr><tr><td>vmnic5</td><td>100 Gbps</td><td>Full</td><td>9000</td><td>232.0.156.4 /pkg 232.1.133.4</td><td>bnxtnet</td><td>Broadcom BCM57608 2x100G PCIe Ethernet NIC</td></tr></table>							Device	Speed	Duplex	MTU	Firmware	Driver	Description	vmnic0	25 Gbps	Full	1500	231.0.154.0 /pkg 23.11.16.22	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter	vmnic1	25 Gbps	Full	1500	231.0.154.0 /pkg 23.11.16.22	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter	vmnic2	25 Gbps	Full	1500	231.0.154.0 /pkg 23.11.16.22	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter	vmnic3	25 Gbps	Full	1500	231.0.154.0 /pkg 23.11.16.22	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter	vmnic4	100 Gbps	Full	9000	232.0.156.4 /pkg 232.1.133.4	bnxtnet	Broadcom BCM57608 2x100G PCIe Ethernet NIC	vmnic5	100 Gbps	Full	9000	232.0.156.4 /pkg 232.1.133.4	bnxtnet	Broadcom BCM57608 2x100G PCIe Ethernet NIC			
	Device	Speed	Duplex	MTU	Firmware	Driver	Description																																																				
	vmnic0	25 Gbps	Full	1500	231.0.154.0 /pkg 23.11.16.22	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter																																																				
	vmnic1	25 Gbps	Full	1500	231.0.154.0 /pkg 23.11.16.22	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter																																																				
	vmnic2	25 Gbps	Full	1500	231.0.154.0 /pkg 23.11.16.22	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter																																																				
	vmnic3	25 Gbps	Full	1500	231.0.154.0 /pkg 23.11.16.22	bnxtnet	Broadcom NetXtreme E-Series Quad-port 25Gb OCP 3.0 Ethernet Adapter																																																				
	vmnic4	100 Gbps	Full	9000	232.0.156.4 /pkg 232.1.133.4	bnxtnet	Broadcom BCM57608 2x100G PCIe Ethernet NIC																																																				
vmnic5	100 Gbps	Full	9000	232.0.156.4 /pkg 232.1.133.4	bnxtnet	Broadcom BCM57608 2x100G PCIe Ethernet NIC																																																					
Number of Virtual Switches	2																																																										
Virtual Switches, Ports, Port Groups, MTUs, and Uplinks	<table><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>vmnic4</td></tr><tr><td>vSwitch1</td><td>9216</td><td>128</td><td>9000</td><td>vmnic5</td></tr></table>					Switch	Ports	Configured Ports	MTU	Uplinks	vSwitch0	9216	128	9000	vmnic4	vSwitch1	9216	128	9000	vmnic5																																							
	Switch	Ports	Configured Ports	MTU	Uplinks																																																						
	vSwitch0	9216	128	9000	vmnic4																																																						
	vSwitch1	9216	128	9000	vmnic5																																																						
	<table><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>vmnic4</td></tr><tr><td>vSwitch0</td><td>VMNetwork</td><td>0</td><td>vmnic4</td></tr><tr><td>vSwitch0</td><td>vMotion</td><td>0</td><td>vmnic4</td></tr><tr><td>vSwitch1</td><td>VMNetwork2</td><td>0</td><td>vmnic5</td></tr></table>					Switch	Port Group	VLAN ID	Uplinks	vSwitch0	Management Network	0	vmnic4	vSwitch0	VMNetwork	0	vmnic4	vSwitch0	vMotion	0	vmnic4	vSwitch1	VMNetwork2	0	vmnic5																																		
	Switch	Port Group	VLAN ID	Uplinks																																																							
	vSwitch0	Management Network	0	vmnic4																																																							
	vSwitch0	VMNetwork	0	vmnic4																																																							
	vSwitch0	vMotion	0	vmnic4																																																							
	vSwitch1	VMNetwork2	0	vmnic5																																																							
VMkernel Network Adapters, Port Groups, MTUs, TCP/IP Stacks, and Services	<table><tr><th>Device</th><th>Port Group/DVPort</th><th>MTU</th><th>TCP/IP Stack</th><th>Services</th></tr><tr><td>vmk0</td><td>Management Network</td><td>9000</td><td>Default</td><td>Management</td></tr><tr><td>vmk1</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	vMotion	9000	Default	vMotion																																							
	Device	Port Group/DVPort	MTU	TCP/IP Stack	Services																																																						
	vmk0	Management Network	9000	Default	Management																																																						
vmk1	vMotion	9000	Default	vMotion																																																							
Physical Switch Vendors, Models, and Speeds	None																																																										
Primary Storage																																																											
Storage Category	FC SAN																																																										
Datastores	<table><tr><th>Datastores</th><th>Type</th><th>Size</th><th>Storage Device</th></tr><tr><td>OSDATA-67c29532-f5e6bfa5-bfbd-6c92cf4e44d0</td><td>VMFSOS</td><td>128.6 GB</td><td>Local NVMe Disk</td></tr><tr><td>Tiles_DS</td><td>VMFS-6</td><td>16.5 TB</td><td>EMC Fibre Channel Disk</td></tr><tr><td>datastore1</td><td>VMFS-6</td><td>6.3 TB</td><td>Local NVMe Disk</td></tr><tr><td>deploy</td><td>VMFS-6</td><td>1.1 TB</td><td>EMC Fibre Channel Disk</td></tr><tr><td>svmotion</td><td>VMFS-6</td><td>1.1 TB</td><td>EMC Fibre Channel Disk</td></tr></table>				Datastores	Type	Size	Storage Device	OSDATA-67c29532-f5e6bfa5-bfbd-6c92cf4e44d0	VMFSOS	128.6 GB	Local NVMe Disk	Tiles_DS	VMFS-6	16.5 TB	EMC Fibre Channel Disk	datastore1	VMFS-6	6.3 TB	Local NVMe Disk	deploy	VMFS-6	1.1 TB	EMC Fibre Channel Disk	svmotion	VMFS-6	1.1 TB	EMC Fibre Channel Disk																															
	Datastores	Type	Size	Storage Device																																																							
	OSDATA-67c29532-f5e6bfa5-bfbd-6c92cf4e44d0	VMFSOS	128.6 GB	Local NVMe Disk																																																							
	Tiles_DS	VMFS-6	16.5 TB	EMC Fibre Channel Disk																																																							
	datastore1	VMFS-6	6.3 TB	Local NVMe Disk																																																							
	deploy	VMFS-6	1.1 TB	EMC Fibre Channel Disk																																																							
svmotion	VMFS-6	1.1 TB	EMC Fibre Channel Disk																																																								

	<table><tr><td>top</td><td>VMFS-6</td><td>5.5 TB</td><td>EMC Fibre Channel Disk</td></tr><tr><td>xvmotion</td><td>VMFS-6</td><td>1.1 TB</td><td>EMC Fibre Channel Disk</td></tr></table>	top	VMFS-6	5.5 TB	EMC Fibre Channel Disk	xvmotion	VMFS-6	1.1 TB	EMC Fibre Channel Disk																																																							
top	VMFS-6	5.5 TB	EMC Fibre Channel Disk																																																													
xvmotion	VMFS-6	1.1 TB	EMC Fibre Channel Disk																																																													
Number of Storage Devices	6																																																															
Storage Device Names, Sizes, Types, Vendors, Models, and Revisions	<table><tr><th>Storage Device</th><th>Size</th><th>Type</th><th>Vendor</th><th>Model</th><th>Revision</th><th>Path Selection Policy</th><th>Path Selection Policy Config</th><th># Working Paths</th></tr><tr><td>EMC Fibre Channel Disk</td><td>1.1 TB</td><td>Direct-Access</td><td>EMC</td><td>SYMMETRIX</td><td>5977</td><td>VMW_PSP_RR</td><td>policy=iops,iops=1,bytes=10485760,useANO=0</td><td>16</td></tr><tr><td>EMC Fibre Channel Disk</td><td>1.1 TB</td><td>Direct-Access</td><td>EMC</td><td>SYMMETRIX</td><td>5977</td><td>VMW_PSP_RR</td><td>policy=iops,iops=1,bytes=10485760,useANO=0</td><td>16</td></tr><tr><td>EMC Fibre Channel Disk</td><td>1.1 TB</td><td>Direct-Access</td><td>EMC</td><td>SYMMETRIX</td><td>5977</td><td>VMW_PSP_RR</td><td>policy=iops,iops=1,bytes=10485760,useANO=0</td><td>16</td></tr><tr><td>EMC Fibre Channel Disk</td><td>5.5 TB</td><td>Direct-Access</td><td>EMC</td><td>SYMMETRIX</td><td>5977</td><td>VMW_PSP_RR</td><td>policy=iops,iops=1,bytes=10485760,useANO=0</td><td>16</td></tr><tr><td>Local NVMe Disk (Boot Device)</td><td>6.4 TB</td><td>Direct-Access</td><td>NVMe</td><td>Dell NVMe ISE PS1030 MU E3.S 6.4TB</td><td>1.0.0</td><td>FIXED</td><td>preferred=none</td><td>1</td></tr><tr><td>EMC Fibre Channel Disk</td><td>16.5 TB</td><td>Direct-Access</td><td>EMC</td><td>SYMMETRIX</td><td>5977</td><td>VMW_PSP_RR</td><td>policy=iops,iops=1,bytes=10485760,useANO=0</td><td>16</td></tr></table>	Storage Device	Size	Type	Vendor	Model	Revision	Path Selection Policy	Path Selection Policy Config	# Working Paths	EMC Fibre Channel Disk	1.1 TB	Direct-Access	EMC	SYMMETRIX	5977	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	16	EMC Fibre Channel Disk	1.1 TB	Direct-Access	EMC	SYMMETRIX	5977	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	16	EMC Fibre Channel Disk	1.1 TB	Direct-Access	EMC	SYMMETRIX	5977	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	16	EMC Fibre Channel Disk	5.5 TB	Direct-Access	EMC	SYMMETRIX	5977	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	16	Local NVMe Disk (Boot Device)	6.4 TB	Direct-Access	NVMe	Dell NVMe ISE PS1030 MU E3.S 6.4TB	1.0.0	FIXED	preferred=none	1	EMC Fibre Channel Disk	16.5 TB	Direct-Access	EMC	SYMMETRIX	5977	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	16
	Storage Device	Size	Type	Vendor	Model	Revision	Path Selection Policy	Path Selection Policy Config	# Working Paths																																																							
	EMC Fibre Channel Disk	1.1 TB	Direct-Access	EMC	SYMMETRIX	5977	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	16																																																							
	EMC Fibre Channel Disk	1.1 TB	Direct-Access	EMC	SYMMETRIX	5977	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	16																																																							
	EMC Fibre Channel Disk	1.1 TB	Direct-Access	EMC	SYMMETRIX	5977	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	16																																																							
	EMC Fibre Channel Disk	5.5 TB	Direct-Access	EMC	SYMMETRIX	5977	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	16																																																							
	Local NVMe Disk (Boot Device)	6.4 TB	Direct-Access	NVMe	Dell NVMe ISE PS1030 MU E3.S 6.4TB	1.0.0	FIXED	preferred=none	1																																																							
EMC Fibre Channel Disk	16.5 TB	Direct-Access	EMC	SYMMETRIX	5977	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	16																																																								
How Datastores Map to Storage Devices	See Storage Notes Section																																																															
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	Client Host	BIOS	ESXi													
	Client Host 1	6144 GB	6144 GB													
	Client Host 2	6144 GB	6144 GB													
Virtual Network Controllers, Speeds, MTUs, Firmware, Drivers, Vendors, and Models	Client Host	Device	Speed	Duplex	MTU	Firmware	Driver	Description								
	Client Host 1	vmnic4	100 Gbps	Full	9000	229.2.62.0 /pkg 22.92.07.50	bnxtnet	Broadcom NetXtreme-E P2100D BCM57508 2x100G QSFP PCIE Ethernet								
		vmnic5	100 Gbps	Full	9000	229.2.62.0 /pkg 22.92.07.50	bnxtnet	Broadcom NetXtreme-E P2100D BCM57508 2x100G QSFP PCIE Ethernet								
	Client Host 2	vmnic4	100 Gbps	Full	9000	229.2.62.0 /pkg 22.92.07.50	bnxtnet	Broadcom NetXtreme-E P2100D BCM57508 2x100G QSFP PCIE Ethernet								
		vmnic5	100 Gbps	Full	9000	229.2.62.0 /pkg 22.92.07.50	bnxtnet	Broadcom NetXtreme-E P2100D BCM57508 2x100G QSFP PCIE Ethernet								
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										
	Client Host 2	vSwitch0	9216	128	9000	vmnic4										
		vSwitch1	9216	128	9000	vmnic5										
	Client Host	Switch	Port Group	VLAN ID	Uplinks											
	Client Host 1	vSwitch0	Management Network	0	vmnic4											
		vSwitch0	VMNetwork	0	vmnic4											
		vSwitch0	vMotion	0	vmnic4											
		vSwitch1	VMNetwork2	0	vmnic5											
	Client Host 2	vSwitch0	Management Network	0	vmnic4											
		vSwitch0	VMNetwork	0	vmnic4											
		vSwitch0	vMotion	0	vmnic4											
		vSwitch1	VMNetwork2	0	vmnic5											
	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	Management									
			vmk1	vMotion	9000	Default	vMotion									
Client Host 2		vmk0	Management Network	9000	Default	Management										
		vmk1	vMotion	9000	Default	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: Thin

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 amd AuctionK* VMs
- Logging was disabled for all VMs except Prime Client and DS35WebB (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 and DS35WebB (default present)

SUT 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

SUT Host ESXi Module Options:

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

Server Notes

- Server BIOS Settings:
- Sub NUMA Cluster :Enabled (default Disabled)
- Optimizer mode : Enabled (default Auto)
- System Profile Settings : Custom (default Performance per Watt(DAPC))
- Latency Optimized Mode : Enabled (default Disabled)
- Thermal Profile : Max Performance (default Default Thermal Profile Settings)

Networking Notes

- SUTs:
- vSwitch0 : Management Network (vmk0),VMNetwork and vMotion(vmk1) using vmnic4
- vSwitch1 : VMNetwork2 using vmnic5
- All vSwitches, vmk0, vmk1 and vmnic4, vmnic5 set to MTU 9000

- Client Hosts:
- vSwitch0 : Management Network (vmk0), vMotion (vmk1) and VMNetwork using vmnic4
- vSwitch1 : VMNetwork2 using vmnic5
- All vSwitches, vmk0, vmk1 and vmnic4, vmnic5 set to MTU 9000

Storage Notes

- Primary Storage : Dell PowerMax 8000, Dell PowerMax OS 5978.479.479
- Single default Storage Resource Pool (SRP) with 2xDisk Groups (factory pre-configured)
 - Disk Group 1 : 9x750 GB Intel SSDs configured in RAID 5 (7+1) with one spare drive (Usable capacity 4880.9 GiB)
 - Disk Group 2 : 25x7.68 TB Samsung NVMe drives configured in RAID 5 (7+1) with one spare drive (Usable capacity 150217.6 GiB)

Server Management Notes

VMware vCenter Server 8.0 Update 3d, Build 24322831 was hosted as a VM on ClientHost1

Operating System Notes

SUT Host ESXi Image Profile: DEL-ESXi_803.24591589-X81

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(OD))
- 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-A01

Client Host VMs:

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

Other Notes

None

VMmark4.properties Settings

- Default Settings

Virtual Machines

SUT Host Virtual Machines

[illegible]

[illegible]

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	Tiles_DS	VMNetwork2	17	12325
DS35DB1	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	high	TRUE	TRUE	normal	Tiles_DS	VMNetwork2	17	12325
DS35DB2	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	high	TRUE	TRUE	normal	Tiles_DS	VMNetwork2	17	12325
DS35DB3	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	high	TRUE	TRUE	normal	Tiles_DS	VMNetwork2	17	12325
DS35DB4	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	high	TRUE	TRUE	normal	Tiles_DS	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	Tiles_DS	VMNetwork2	17	12325
DS35WebA1	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
DS35WebA2	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
DS35WebA3	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
DS35WebA4	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	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	TRUE	Present	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
DS35WebB1	6	6	512	TRUE	TRUE	Present	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
DS35WebB2	6	6	512	TRUE	TRUE	Present	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
DS35WebB3	6	6	512	TRUE	TRUE	Present	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
DS35WebB4	6	6	512	TRUE	TRUE	Present	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	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	Tiles_DS	VMNetwork2	17	12325
DS35WebC1	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
DS35WebC2	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
DS35WebC3	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
DS35WebC4	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	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	Tiles_DS	VMNetwork2	17	12325
NoSQLBenchA1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
NoSQLBenchA2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
NoSQLBenchA3	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
NoSQLBenchA4	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	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	Tiles_DS	VMNetwork2	17	12325
NoSQLBenchB1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
NoSQLBenchB2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
NoSQLBenchB3	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
NoSQLBenchB4	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	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	Tiles_DS	VMNetwork2	17	12325
NoSQLBenchC1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
NoSQLBenchC2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
NoSQLBenchC3	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
NoSQLBenchC4	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	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	Tiles_DS	VMNetwork2	17	12325
SocialNetwork1	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
SocialNetwork2	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
SocialNetwork3	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
SocialNetwork4	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	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	Tiles_DS	VMNetwork2	17	12325
Standby1	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
Standby2	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
Standby3	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	VMNetwork2	17	12325
Standby4	1	1	2048	TRUE	FALSE	Removed	0	Unlimited	low	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	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-4.0.2-209	4	1	32768	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Tiles_DS	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	64	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_DS	VMNetwork2	17	12325
Client1	64	64	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_DS	VMNetwork2	17	12325
Client2	64	64	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_DS	VMNetwork2	17	12325
Client3	64	64	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_DS	VMNetwork2	17	12325
Client4	64	64	98304	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_DS	VMNetwork2	17	12325
PrimeClient	4	1	32768	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_DS	VMNetwork, VMNetwork2	17	12325
VMware-vCenter-Server	8	1	30720	FALSE	TRUE	Present	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client_DS	VMNetwork	10	12389

This is a full disclosure report for a VMmark® benchmark result. All published VMmark results must be from fully-compliant tests for which a full disclosure report is publicly available.

For information about VMmark and the rules regarding its usage visit www.vmware.com/products/vmmark.

VMware and VMmark are trademarks or registered trademarks of VMware, Inc. VMmark is a product of [VMware, Inc.](http://www.vmware.com)