

VMmark [®] 4.0.1 Disclosure											
Server Vendor & Model: Supermicro AS -2125HS-TNR Storage Vendor & Model: PureStorage FlashArray FA-X90R2 Hypervisor: VMware ESXi 8.0 Update 3, Build 24022510 Server Management Software: VMware vCenter Server 8.0 Update 3, Build 24022515						VMmark 4.0.1 Score = 2.65 @ 3 Tiles					
Number of Hosts: 2			Uniform Hosts: yes				Total sockets/cores/threads in test: 4/256/512				
Tested By: Supermicro			Test Date: 11-22-2024				SUT Availability Date: 06-13-2023				
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	14073.70	9241.29	3116.88	2300.55	1770.75	55030.11	55042.97	55042.18	71.99	1.00	
p1	14092.61	9229.36	3105.57	2295.35	1711.95	53578.31	53578.38	53578.65	72.00	1.00	
p2	14090.99	9223.73	3102.65	2324.53	1773.62	52036.79	52036.61	52037.06	71.99	1.00	
TILE_0_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean
p0	1.01	1.00	1.07	1.07	1.16	0.97	0.97	0.97	1.00	1.00	1.02
p1	1.01	1.00	1.07	1.07	1.12	0.95	0.95	0.95	1.00	1.00	1.01
p2	1.01	1.00	1.07	1.08	1.16	0.92	0.92	0.92	1.00	1.00	1.01
TILE_0_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC			
p0	0.57 0.11	0.34 0.00	295.91	321.85	316.82	0.61	0.61	0.61			
p1	0.53 0.06	0.35 0.00	300.82	323.96	301.50	0.62	0.62	0.62			
p2	0.53 0.06	0.37 0.00	303.24	307.86	317.07	0.64	0.64	0.64			
TILE_1_Scores	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	
p0	14111.18	9250.49	3058.43	2210.10	1652.90	50566.49	50566.95	50563.93	72.02	1.00	
p1	14109.33	9236.83	3038.75	2345.05	1727.38	50178.64	50179.30	50179.30	71.98	1.00	
p2	14082.95	9308.56	3018.15	2156.32	1645.83	48725.78	48725.63	48726.18	71.89	1.00	
TILE_1_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean
p0	1.01	1.01	1.05	1.03	1.08	0.89	0.89	0.89	1.00	1.00	0.98
p1	1.01	1.00	1.05	1.09	1.13	0.89	0.89	0.89	1.00	1.00	0.99
p2	1.01	1.01	1.04	1.00	1.08	0.86	0.86	0.86	1.00	1.00	0.97
TILE_1_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC			
p0	0.61 0.07	0.38 0.00	329.76	337.18	362.49	0.63	0.63	0.63			
p1	0.68 0.11	0.38 0.00	338.32	350.91	359.41	0.66	0.66	0.67			
p2	0.69 0.11	0.37 0.00	347.15	372.90	366.49	0.70	0.70	0.70			

TILE_2_Scores	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby				
p0	14109.77	9246.14	3102.50	2213.78	1712.47	53357.91	53357.66	53358.11	71.97	1.00				
p1	14085.21	9244.40	3103.90	2368.22	1785.40	52324.95	52324.97	52324.91	71.92	1.00				
p2	14055.60	9299.56	3096.95	2191.25	1715.38	51105.72	51105.57	51105.86	71.87	1.00				
TILE_2_Ratios	WVAuctionVM	WVAuctionK8S	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC	SocialNetwork	Standby	Geo.Mean			
p0	1.01	1.01	1.07	1.03	1.12	0.94	0.94	0.94	1.00	1.00	1.01			
p1	1.01	1.00	1.07	1.10	1.17	0.93	0.93	0.93	1.00	1.00	1.01			
p2	1.00	1.01	1.07	1.02	1.12	0.90	0.90	0.90	1.00	1.00	0.99			
TILE_2_QoS	WVAuctionVM%	WVAuctionK8S%	DVDStoreA	DVDStoreB	DVDStoreC	NoSQLBenchA	NoSQLBenchB	NoSQLBenchC						
p0	0.62 0.09	0.33 0.00	301.32	327.45	298.92	0.61	0.61	0.61						
p1	0.63 0.08	0.35 0.00	299.12	329.05	302.67	0.63	0.63	0.63						
p2	0.62 0.09	0.37 0.00	307.16	340.00	298.42	0.65	0.65	0.65						
p0_score:	3.01													
p1_score:	3.01													
p2_score:	2.96													
Infrastructure_Operations_Scores:					vMotion		SVMotion		XVMotion		Deploy			
Completed_Ops_PerHour					29.50		17.00		17.00		17.00			
Avg_Seconds_To_Complete					1.12		2.50		3.15		172.35			
Failures					0.00		0.00		0.00		0.00			
Ratio					1.00		1.31		1.31		1.17			
Number_Of_Threads					1		1		1		1			
Summary						Run_Is_Compliant			Median_Phase(p1)					
Unreviewed_VMmark4_Applications_Score						3.01								
Unreviewed_VMmark4_Infrastructure_Score						1.19								
Unreviewed_VMmark4_Score						2.65 @ 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	Supermicro AS -2125HS-TNR																																																																																																																																																																							
Processor Vendor and Model	AMD EPYC 9554																																																																																																																																																																							
Processor Speed (GHz) / Turbo Boost Speed (GHz)	3.1 GHz / 3.75 GHz																																																																																																																																																																							
Total Sockets/Total Cores/Total Threads	2 Sockets / 128 Cores / 256 Threads																																																																																																																																																																							
NUMA Nodes	2																																																																																																																																																																							
BIOS Version	1.6																																																																																																																																																																							
Memory Size (in GB, Number of DIMMs)	Physical Memory (BIOS): 768 GB Physical Memory (ESXi): 768 GB Number of DIMMs: 24																																																																																																																																																																							
Memory Type and Speed	<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>P1-DIMMA1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P1-DIMMB1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P1-DIMMC1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P1-DIMMD1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P1-DIMME1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P1-DIMMF1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P1-DIMMG1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P1-DIMMH1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P1-DIMMI1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P1-DIMMJ1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P1-DIMMK1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P1-DIMML1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P2-DIMMA1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P2-DIMMB1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P2-DIMMC1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P2-DIMMD1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P2-DIMME1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P2-DIMMF1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P2-DIMMG1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P2-DIMMH1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P2-DIMMI1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr><tr><td>P2-DIMMJ1</td><td>32 GB</td><td>4800 MT/s</td><td>5600 MT/s</td><td>1</td><td>DDR5</td><td>Synchronous, Registered</td></tr></table>							Location	Size	Speed	Max Speed	Rank	Type	Detail	P1-DIMMA1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P1-DIMMB1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P1-DIMMC1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P1-DIMMD1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P1-DIMME1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P1-DIMMF1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P1-DIMMG1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P1-DIMMH1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P1-DIMMI1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P1-DIMMJ1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P1-DIMMK1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P1-DIMML1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P2-DIMMA1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P2-DIMMB1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P2-DIMMC1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P2-DIMMD1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P2-DIMME1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P2-DIMMF1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P2-DIMMG1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P2-DIMMH1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P2-DIMMI1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered	P2-DIMMJ1	32 GB	4800 MT/s	5600 MT/s	1	DDR5	Synchronous, Registered
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P2-DIMML1	32 GB	4800 MT/s	5600 MT/s	1	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	<table><tr><td>HBA</td><td>Model</td><td>Speed</td><td>Driver</td><td>Firmware</td></tr><tr><td>vmhba0</td><td>Emulex LPe35002-M2 2-Port 32Gb Fibre Channel Adapter</td><td>16 Gbps</td><td>lpfc</td><td>14.0.505.12</td></tr><tr><td>vmhba1</td><td>Emulex LPe35002-M2 2-Port 32Gb Fibre Channel Adapter</td><td>16 Gbps</td><td>lpfc</td><td>14.0.505.12</td></tr><tr><td>vmhba64</td><td>Emulex LPe35002-M2 2-Port 32Gb Fibre Channel Adapter</td><td>16 Gbps</td><td>lpfc</td><td>14.0.505.12</td></tr><tr><td>vmhba65</td><td>Emulex LPe35002-M2 2-Port 32Gb Fibre Channel Adapter</td><td>16 Gbps</td><td>lpfc</td><td>14.0.505.12</td></tr></table>	HBA	Model	Speed	Driver	Firmware	vmhba0	Emulex LPe35002-M2 2-Port 32Gb Fibre Channel Adapter	16 Gbps	lpfc	14.0.505.12	vmhba1	Emulex LPe35002-M2 2-Port 32Gb Fibre Channel Adapter	16 Gbps	lpfc	14.0.505.12	vmhba64	Emulex LPe35002-M2 2-Port 32Gb Fibre Channel Adapter	16 Gbps	lpfc	14.0.505.12	vmhba65	Emulex LPe35002-M2 2-Port 32Gb Fibre Channel Adapter	16 Gbps	lpfc	14.0.505.12	
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vmhba0	Emulex LPe35002-M2 2-Port 32Gb Fibre Channel Adapter	16 Gbps	lpfc	14.0.505.12																							
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vmhba64	Emulex LPe35002-M2 2-Port 32Gb Fibre Channel Adapter	16 Gbps	lpfc	14.0.505.12																							
vmhba65	Emulex LPe35002-M2 2-Port 32Gb Fibre Channel Adapter	16 Gbps	lpfc	14.0.505.12																							
Other Hardware	Power Supply Quantity, Name/Part Number, Wattage, Firmware, Type (Voltage, AC/DC) 2, PWS-1K63A-1R, 1600W, Rev 1.0, AC power supplies for each SUT Servers were air-cooled																										
Other Software	None																										
BIOS Availability Date (MM-DD-YYYY)	11-16-2023																										
Hardware Availability Date (MM-DD-YYYY)	06-13-2023																										
Software Availability Date (MM-DD-YYYY)	06-25-2024																										
Network																											
Number of Virtual Network Controllers	2																										
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>8.0.0.1015 rx0 tx0</td><td>sfvmk</td><td>Solarflare XtremeScale X2522 25G Network Adapter</td></tr><tr><td>vmnic1</td><td>25 Gbps</td><td>Full</td><td>9000</td><td>8.0.0.1015 rx0 tx0</td><td>sfvmk</td><td>Solarflare XtremeScale X2522 25G Network Adapter</td></tr></table>	Device	Speed	Duplex	MTU	Firmware	Driver	Description	vmnic0	25 Gbps	Full	9000	8.0.0.1015 rx0 tx0	sfvmk	Solarflare XtremeScale X2522 25G Network Adapter	vmnic1	25 Gbps	Full	9000	8.0.0.1015 rx0 tx0	sfvmk	Solarflare XtremeScale X2522 25G Network Adapter					
Device	Speed	Duplex	MTU	Firmware	Driver	Description																					
vmnic0	25 Gbps	Full	9000	8.0.0.1015 rx0 tx0	sfvmk	Solarflare XtremeScale X2522 25G Network Adapter																					
vmnic1	25 Gbps	Full	9000	8.0.0.1015 rx0 tx0	sfvmk	Solarflare XtremeScale X2522 25G Network Adapter																					
Number of Virtual Switches	1																										
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, vmnic1</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, vmnic1</td></tr><tr><td>vSwitch0</td><td>VM Network</td><td>0</td><td>vmnic0, vmnic1</td></tr><tr><td>vSwitch0</td><td>vmotion</td><td>0</td><td>vmnic0, vmnic1</td></tr></table>	Switch	Ports	Configured Ports	MTU	Uplinks	vSwitch0	9216	128	9000	vmnic0, vmnic1	Switch	Port Group	VLAN ID	Uplinks	vSwitch0	Management Network	0	vmnic0, vmnic1	vSwitch0	VM Network	0	vmnic0, vmnic1	vSwitch0	vmotion	0	vmnic0, vmnic1
Switch	Ports	Configured Ports	MTU	Uplinks																							
vSwitch0	9216	128	9000	vmnic0, vmnic1																							
Switch	Port Group	VLAN ID	Uplinks																								
vSwitch0	Management Network	0	vmnic0, vmnic1																								
vSwitch0	VM Network	0	vmnic0, vmnic1																								
vSwitch0	vmotion	0	vmnic0, vmnic1																								
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>1500</td><td>Default</td><td>Management</td></tr></table>	Device	Port Group/DVPort	MTU	TCP/IP Stack	Services	vmk0	Management Network	1500	Default	Management																
Device	Port Group/DVPort	MTU	TCP/IP Stack	Services																							
vmk0	Management Network	1500	Default	Management																							

[illegible]

	PURE Fibre Channel Disk	2.2 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	2.2 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	2.2 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	2.2 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	2.2 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	2.2 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	2.2 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	2.2 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	2.2 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	2.2 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	8.8 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	8.8 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	35.2 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
	PURE Fibre Channel Disk	35.2 TB	Direct-Access	PURE	FlashArray	8888	VMW_PSP_RR	policy=iops,iops=1,bytes=10485760,useANO=0	2
How Datastores Map to Storage Devices	All LUNs are backed by the same NVMe disks present on the PureStorage FlashArray FA-X90R2								
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)	4								
Number of Client Hosts (all subsequent fields in this section are per Client Host)	4								
System Model(s)	- Client Host 1: Supermicro AS -1124US-TNRP - Client Host 2: Supermicro AS -1124US-TNRP - Client Host 3: Supermicro AS -1124US-TNRP - Client Host 4: Supermicro AS -1124US-TNRP								
Processor Vendor(s) and Model(s)	- Client Host 1: AMD EPYC 7763 - Client Host 2: AMD EPYC 7763 - Client Host 3: AMD EPYC 7763 - Client Host 4: AMD EPYC 7763								
Processor Speed(s) (GHz)	Client Host 1: 2.45 GHz								

	- Client Host 2: 2.45 GHz - Client Host 3: 2.45 GHz - Client Host 4: 2.45 GHz							
Total Sockets/Total Cores/Total Threads	Client Host	Sockets	Cores	Threads				
	Client Host 1	2	128	256				
	Client Host 2	2	128	256				
	Client Host 3	2	128	256				
	Client Host 4	2	128	256				
	Total	8	512	1024				
NUMA Nodes	- Client Host 1: 2 - Client Host 2: 2 - Client Host 3: 2 - Client Host 4: 2							
Memory Size (in GB) per Client Host	Client Host	BIOS	ESXi					
	Client Host 1	1920 GB	1920 GB					
	Client Host 2	2048 GB	2036 GB					
	Client Host 3	2048 GB	2036 GB					
	Client Host 4	1920 GB	1920 GB					
Virtual Network Controllers, Speeds, MTUs, Firmware, Drivers, Vendors, and Models	Client Host	Device	Speed	Duplex	MTU	Firmware	Driver	Description
	Client Host 1	vmnic0	100 Gbps	Full	9000	20.28.4000	nmlx5_core	Mellanox Technologies MT28908 Family [ConnectX-6]
		vmnic1	100 Gbps	Full	9000	20.28.4000	nmlx5_core	Mellanox Technologies MT28908 Family [ConnectX-6]
	Client Host 2	vmnic0	100 Gbps	Full	9000	20.27.1016	nmlx5_core	Mellanox Technologies MT28908 Family [ConnectX-6]
		vmnic1	100 Gbps	Full	9000	20.27.1016	nmlx5_core	Mellanox Technologies MT28908 Family [ConnectX-6]
	Client Host 3	vmnic0	100 Gbps	Full	9000	20.28.4000	nmlx5_core	Mellanox Technologies MT28908 Family [ConnectX-6]
		vmnic1	100 Gbps	Full	9000	20.28.4000	nmlx5_core	Mellanox Technologies MT28908 Family [ConnectX-6]
	Client Host 4	vmnic0	100 Gbps	Full	9000	20.27.1016	nmlx5_core	Mellanox Technologies MT28908 Family [ConnectX-6]
vmnic1		100 Gbps	Full	9000	20.27.1016	nmlx5_core	Mellanox Technologies MT28908 Family [ConnectX-6]	
Virtual Switches, Ports, Port Groups, MTUs, and Uplinks	Client Host	Switch	Ports	Configured Ports	MTU	Uplinks		
	Client Host 1	vSwitch0	9216	128	9000	vmnic0		
		vSwitch1	9216	128	9000	vmnic1		
	Client Host 2	vSwitch0	9216	128	9000	vmnic0		
		vSwitch1	9216	128	9000	vmnic1		
	Client Host 3	vSwitch0	9216	128	9000	vmnic0		
		vSwitch1	9216	128	9000	vmnic1		
	Client Host 4	vSwitch0	9216	128	9000	vmnic0		
		vSwitch1	9216	128	9000	vmnic1		

	<table><tr><th>Client Host</th><th>Switch</th><th>Port Group</th><th>VLAN ID</th><th>Uplinks</th></tr><tr><td rowspan="3">Client Host 1</td><td rowspan="2">vSwitch0</td><td>Management Network</td><td>0</td><td>vmnic0</td></tr><tr><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 rowspan="3">Client Host 2</td><td rowspan="2">vSwitch0</td><td>Management Network</td><td>0</td><td>vmnic0</td></tr><tr><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 rowspan="3">Client Host 3</td><td rowspan="2">vSwitch0</td><td>Management Network</td><td>0</td><td>vmnic0</td></tr><tr><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 rowspan="3">Client Host 4</td><td rowspan="2">vSwitch0</td><td>Management Network</td><td>0</td><td>vmnic0</td></tr><tr><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></table>					Client Host	Switch	Port Group	VLAN ID	Uplinks	Client Host 1	vSwitch0	Management Network	0	vmnic0	VM Network	0	vmnic0	vSwitch1	vmotion	0	vmnic1	Client Host 2	vSwitch0	Management Network	0	vmnic0	VM Network	0	vmnic0	vSwitch1	vmotion	0	vmnic1	Client Host 3	vSwitch0	Management Network	0	vmnic0	VM Network	0	vmnic0	vSwitch1	vmotion	0	vmnic1	Client Host 4	vSwitch0	Management Network	0	vmnic0	VM Network	0	vmnic0	vSwitch1	vmotion	0	vmnic1
	Client Host	Switch	Port Group	VLAN ID	Uplinks																																																					
	Client Host 1	vSwitch0	Management Network	0	vmnic0																																																					
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	Client Host 2	vSwitch0	Management Network	0	vmnic0																																																					
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	Client Host 3	vSwitch0	Management Network	0	vmnic0																																																					
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	Client Host 4	vSwitch0	Management Network	0	vmnic0																																																					
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Client Host		Device	Port Group/DVPort	MTU	TCP/IP Stack	Services																																																				
Client Host 1		vmk0	Management Network	1500	Default	Management																																																				
		vmk1	vmotion	9000	Default	vMotion																																																				
Client Host 2		vmk0	Management Network	1500	Default	Management																																																				
		vmk1	vmotion	9000	Default	vMotion																																																				
Client Host 3		vmk0	Management Network	1500	Default	Management																																																				
		vmk1	vmotion	9000	Default	vMotion																																																				
Client Host 4		vmk0	Management Network	1500	Default	Management																																																				
		vmk1	vmotion	9000	Default	vMotion																																																				
Client Storage Notes	See Client Notes Section																																																									
Other Hardware	Power Supply Quantity, Name/Part Number, Wattage, Firmware, Type (Voltage, AC/DC): 2, PWS-1K22A-1R, 1200W, Rev 1.0, AC powersupply for each client. Servers were air-cooled																																																									
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
- All Standby VMs had CPU shares set to low (default normal)
- All DS35DB, NoSQLBench, and AuctionK VMs had CPU shares set to High (default normal)
- All DS35DB VM memory shares set to High (default normal)

- Added sched.mem.lpage.enable1GPage to True for all DS35DB VMs (default normal)
- All memory reserved for DS35DB VMs (default non-reserved)
- Memory was pinned for all DS35DB VMs.
- CD/DVD device was removed from all VMs except PrimeClient. (default present)
- 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 except Template, PrimeClient, and Client VMs (default enabled)

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.PreferHT	1	1	0
Numa.RebalancePeriod	60000	60000	2000
Numa.SwapLoadEnable	0	0	1
Numa.SwapLocalityEnable	0	0	1
Power.CpuPolicy	Performance	Performance	Balanced
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

- TDP Control = 400 (default Auto)
- PPT Control = 400 (default Auto)
- NUMA per Socket = 1 (Default Auto)

Networking Notes

- vSwitch0 configured for Management Network, VM Network, and vmotion networks
 - Connected to vmnic0 and vmnic1
 - vSwitch0, vmk1, and vmnic0 set to MTU 9000 (default 1500)

- All VMs connected to default portgroup VM Network

Storage Notes

- All client server OS installed on 64GB LUN PureStorage FA-X90R2 Array
- All SUT hosts OS installed on 32GB LUN PureStorage FA-X90R2 Array
- All FC ports regardless of model are running at 16Gbps
- FC LUN Folder configuration:
 - All LUNs are backed by the same NVMe disks present on the PureStorage FA-X90R2 Array
 - All DS35DB and AuctionWebEDB VMs were stored on a 2TB LUN associated with a corresponding tile number.
 - All NoSQLBench and AuctionWebDNosql VMs were stored on a 32TB LUN named Deploy
 - The template VM was stored on an 8TB LUN named infra_source.
 - All DS35WebA VMs were stored on an 8TB LUN named infra_source.
 - All AuctionWebF VMs were stored on an 8TB LUN named infra_source.
 - All other VMs were stored on a 2TB LUN associated with a corresponding tile number.
 - All VM infrastructure operations were on an 8TB LUN called infra_target for its destination.
- All FC LUNs were configured with:
 - Round Robin Path Policy (Default: Most Recently Used)
 - IO Operations Limit 1 (Default: 1000)

Server Management Notes

VMware vCenter Server Appliance 8.0 Update 3, Build 24022515 was hosted on the Client Cluster and automatically load balanced along with the other Client VMs through DRS.

Operating System Notes

SUT Host ESXi Image Profile: (Updated) ESXi-8.0U3-24022510-standard

Software Notes

None

Client Notes

- vSphere DRS Enabled
- vSphere DRS Automation Level set to Fully Automated
- vSphere DRS Migration Threshold set to 1

Client Host ESXi Advanced Settings:

Advanced Setting	Host 1	Host 2	Host 3	Host 4	Default
UserVars.SuppressShellWarning	1	1	1	1	0

Client 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

Client Host ESXi Image Profile: (Updated) ESXi-8.0U3-24022510-standard

Other Notes

None

VMmark4.properties Settings

- TileDelay = 15 (default 60)
- ReporterSkipNonCompliant = 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	Deploy	VM Network	17	12325
AuctionWebDNosql1	4	4	20480	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Deploy	VM Network	17	12325
AuctionWebDNosql2	4	4	20480	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Deploy	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	db0	VM Network	17	12325
AuctionWebEDB1	4	4	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	db1	VM Network	17	12325
AuctionWebEDB2	4	4	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	db2	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	infra_source	VM Network	17	12325
AuctionWebF1	2	2	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	infra_source	VM Network	17	12325
AuctionWebF2	2	2	8192	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	infra_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	db0	VM Network	17	12325
DS35DB1	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	high	TRUE	TRUE	normal	db1	VM Network	17	12325
DS35DB2	24	24	49152	TRUE	FALSE	Removed	0	Unlimited	high	49152	Unlimited	high	TRUE	TRUE	normal	db2	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	infra_source	VM Network	17	12325
DS35WebA1	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	infra_source	VM Network	17	12325
DS35WebA2	6	6	512	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	infra_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	Deploy	VM Network	17	12325
NoSQLBenchA1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	Deploy	VM Network	17	12325
NoSQLBenchA2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	Deploy	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	Deploy	VM Network	17	12325

NoSQLBenchB1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	Deploy	VM Network	17	12325
NoSQLBenchB2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	Deploy	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	Deploy	VM Network	17	12325
NoSQLBenchC1	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	Deploy	VM Network	17	12325
NoSQLBenchC2	8	8	8192	TRUE	FALSE	Removed	0	Unlimited	high	0	Unlimited	normal	FALSE	FALSE	normal	Deploy	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	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile0	VM Network	17	12325
SocialNetwork1	36	36	16384	TRUE	FALSE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	tile1	VM Network	17	12325
SocialNetwork2	36	36	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
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-4.0.1-208	4	1	32768	TRUE	TRUE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	infra_source	VM Network	17	12325

Client Host Virtual Machines

VM	vCPUs	Cores Per Socket	Memory (MB)	Sync Time	Logging	CD/DVD	CPU Res	CPU Limit	CPU Shares	Mem Res	Mem Limit	Mem Shares	Mem Pin	Mem 1G Page	Disk Shares	Datastore	Port Group	vHW Version	Tools Version
Client0	64	1	98304	TRUE	TRUE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client	VM Network	17	12325
Client1	64	1	98304	TRUE	TRUE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client	VM Network	17	12325
Client2	64	1	98304	TRUE	TRUE	Removed	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client	VM Network	17	12325
PrimeClient	4	1	32768	TRUE	TRUE	Present	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client	VM Network, VM Network	17	12325
VCSA8.0U3-IA	8	1	30720	FALSE	TRUE	Present	0	Unlimited	normal	0	Unlimited	normal	FALSE	FALSE	normal	Client	VM Network	10	12389

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