VMware® VMmark® V2.1.1 Results

Vendor and Hardware Platform: Huawei Tecal RH2485 V2 **Virtualization Platform: VMware ESX 4.1.0 U2 Build 502767** **VMware vCenter Server:VMware vCenter Server 5.0.0 Build 455964**	**VMmark V2.1.1 Score = 16.99 @ 16 Tiles**

Number of Hosts: 2	**Uniform Hosts [yes/no]: yes**	**Total sockets/core/threads in test: 8/64/128**
Tested By: Huawei Inc.	**Test Date: 08-28-2012**	

Performance Section	**Configuration Section**	**Notes Section**
Performance	Configuration	Notes for Workload

Performance

	mailserver			olio			dvdstoreA			dvdstoreB			dvdstoreC			
TILE_0	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	328.10	0.99	109.28	4704.55	1.01	134.02	3178.07	1.45	108.47	2276.25	1.50	121.41	1594.62	1.51	132.80	1.27
p1	326.65	0.99	114.00	4668.55	1.01	165.45	3233.18	1.47	103.65	2255.22	1.49	115.89	1652.10	1.56	123.98	1.28
p2	325.32	0.99	119.25	4667.12	1.01	183.51	3184.78	1.45	106.84	2314.82	1.52	117.59	1631.40	1.54	126.78	1.28
TILE_1	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	327.12	0.99	139.65	4682.65	1.01	157.00	3264.85	1.48	100.96	2328.05	1.53	109.78	1626.38	1.54	118.23	1.28
p1	322.88	0.98	149.28	4661.75	1.00	175.43	3133.65	1.42	108.75	2306.50	1.52	117.74	1633.95	1.54	126.32	1.27
p2	324.90	0.98	154.00	4654.82	1.00	186.05	3085.93	1.40	112.04	2239.43	1.47	123.83	1661.95	1.57	131.83	1.26
TILE_2	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	324.30	0.98	133.00	4678.80	1.01	167.48	3213.78	1.46	103.43	2315.32	1.52	110.18	1620.75	1.53	118.86	1.28
p1	328.00	0.99	134.00	4644.27	1.00	191.30	3102.38	1.41	110.34	2279.12	1.50	119.96	1684.60	1.59	127.94	1.27
p2	324.45	0.98	143.25	4662.45	1.00	204.25	3114.30	1.42	109.16	2276.05	1.50	119.53	1617.28	1.53	127.60	1.26
TILE_3	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	327.48	0.99	94.00	4659.07	1.00	183.11	3244.28	1.48	103.08	2359.53	1.55	113.68	1660.72	1.57	123.47	1.29
p1	325.98	0.99	94.00	4633.38	1.00	204.40	3226.00	1.47	104.36	2329.72	1.53	116.42	1723.33	1.63	124.74	1.29
p2	326.32	0.99	103.25	4607.98	0.99	229.38	3267.75	1.49	100.90	2301.18	1.52	111.88	1607.00	1.52	120.83	1.27
TILE_4	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	325.15	0.98	123.80	4643.80	1.00	204.63	3360.68	1.53	95.76	2450.45	1.61	105.83	1818.85	1.72	112.65	1.33
p1	322.90	0.98	130.75	4639.43	1.00	200.26	3321.32	1.51	97.80	2341.47	1.54	108.03	1636.00	1.55	116.87	1.29
p2	325.88	0.99	140.53	4611.32	0.99	222.40	3203.53	1.46	104.95	2336.93	1.54	114.90	1654.17	1.56	123.21	1.28
TILE_5	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	325.68	0.99	103.25	4674.48	1.01	174.59	3392.80	1.54	93.10	2375.90	1.56	104.46	1778.70	1.68	108.62	1.32
p1	333.07	1.01	104.00	4631.70	1.00	206.93	3295.97	1.50	98.73	2380.40	1.57	110.59	1703.25	1.61	117.18	1.31

p2	328.18	0.99	104.00	4627.00	1.00	210.63	3207.15	1.46	103.83	2348.22	1.55	113.56	1693.53	1.60	118.29	1.29
TILE_6	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	331.00	1.00	74.00	4666.95	1.01	169.10	3509.53	1.60	87.70	2487.95	1.64	96.87	1766.70	1.67	102.33	1.34
p1	324.75	0.98	74.00	4661.62	1.00	189.22	3406.62	1.55	93.01	2483.78	1.64	103.11	1778.97	1.68	109.03	1.33
p2	324.45	0.98	81.65	4644.00	1.00	207.20	3306.45	1.50	98.61	2410.65	1.59	108.86	1803.62	1.70	115.03	1.32
TILE_7	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	325.48	0.99	73.95	4654.38	1.00	188.15	3564.38	1.62	84.57	2532.93	1.67	92.93	1799.15	1.70	98.58	1.35
p1	325.35	0.99	74.00	4633.02	1.00	207.94	3429.55	1.56	91.83	2600.97	1.71	100.14	1894.60	1.79	105.20	1.36
p2	329.70	1.00	74.00	4590.62	0.99	253.90	3396.05	1.54	93.38	2442.05	1.61	99.88	1845.28	1.74	102.41	1.34
TILE_8	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	327.43	0.99	83.38	4663.70	1.00	195.28	3433.25	1.56	91.09	2588.97	1.70	95.34	1830.17	1.73	103.90	1.36
p1	330.40	1.00	84.00	4641.82	1.00	185.06	3359.70	1.53	95.55	2470.30	1.63	104.05	1841.22	1.74	110.76	1.34
p2	326.85	0.99	84.00	4648.60	1.00	203.64	3290.80	1.50	100.15	2323.32	1.53	110.09	1616.10	1.53	120.02	1.28
TILE_9	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	327.18	0.99	82.72	4652.02	1.00	189.72	3498.12	1.59	88.35	2663.90	1.75	95.93	1911.12	1.81	103.53	1.38
p1	326.40	0.99	74.00	4660.57	1.00	205.11	3456.25	1.57	90.03	2440.53	1.61	99.62	1807.45	1.71	105.87	1.34
p2	325.38	0.99	74.00	4621.10	1.00	233.37	3413.43	1.55	92.74	2415.88	1.59	102.01	1716.00	1.62	107.55	1.31
TILE_10	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	327.40	0.99	94.00	4656.62	1.00	197.41	3275.90	1.49	102.23	2271.97	1.50	115.46	1650.42	1.56	125.37	1.28
p1	326.88	0.99	94.00	4617.93	0.99	223.40	3333.07	1.52	97.94	2411.95	1.59	109.47	1691.67	1.60	119.33	1.31
p2	323.38	0.98	94.00	4598.18	0.99	244.73	3315.35	1.51	98.44	2426.65	1.60	107.81	1722.95	1.63	115.40	1.31
TILE_11	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	329.98	1.00	90.00	4648.20	1.00	191.14	3369.88	1.53	95.12	2449.60	1.61	106.11	1671.10	1.58	113.36	1.31
p1	325.85	0.99	84.00	4609.85	0.99	233.90	3306.60	1.50	98.95	2336.88	1.54	109.71	1710.15	1.62	118.01	1.30
p2	330.68	1.00	84.00	4612.02	0.99	249.03	3324.38	1.51	97.44	2420.90	1.59	107.98	1810.85	1.71	114.10	1.33
TILE_12	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	322.38	0.98	70.25	4632.48	1.00	185.12	3503.62	1.59	88.01	2624.90	1.73	93.52	1831.00	1.73	103.67	1.36
p1	327.00	0.99	64.00	4657.48	1.00	197.22	3413.72	1.55	92.50	2556.47	1.68	98.09	1793.62	1.70	107.56	1.34
p2	325.65	0.99	65.25	4628.12	1.00	232.63	3436.68	1.56	91.82	2449.53	1.61	100.18	1785.95	1.69	108.52	1.33
TILE_13	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	326.77	0.99	188.32	4666.02	1.01	172.42	3495.45	1.59	87.87	2545.62	1.68	97.81	1847.50	1.75	101.68	1.36
p1	330.62	1.00	161.25	4650.48	1.00	199.49	3415.47	1.55	91.91	2502.10	1.65	101.33	1882.60	1.78	106.13	1.35
p2	326.95	0.99	196.25	4594.98	0.99	229.50	3150.65	1.43	107.50	2365.32	1.56	106.33	1674.12	1.58	112.57	1.28
TILE_14	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	326.82	0.99	70.67	4685.75	1.01	167.82	3521.93	1.60	87.94	2676.75	1.76	95.55	1924.90	1.82	102.74	1.39
p1	327.12	0.99	73.10	4671.43	1.01	198.28	3419.55	1.55	92.49	2419.03	1.59	102.03	1786.08	1.69	108.63	1.33

p2	326.00	0.99	74.00	4629.10	1.00	213.76	3401.68	1.55	93.87	2388.65	1.57	104.19	1668.72	1.58	112.86	1.30
TILE_15	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	Actual	Ratio	QoS	GM
p0	321.95	0.97	71.25	4656.62	1.00	170.40	3536.80	1.61	86.72	2550.03	1.68	97.92	1912.97	1.81	103.09	1.37
p1	326.55	0.99	86.50	4656.07	1.00	203.39	3499.62	1.59	89.25	2438.05	1.61	101.06	1712.92	1.62	108.44	1.33
p2	323.75	0.98	96.50	4602.05	0.99	230.36	3475.68	1.58	90.50	2490.55	1.64	102.53	1779.47	1.68	108.99	1.33

p0_score:	21.27
p1_score:	21.04
p2_score:	20.78

Infrastructure_Operations_Scores:	vmotion	svmotion	deploy
Completed_Ops_PerHour	10.50	7.00	4.00
Avg_Seconds_To_Complete	74.39	51.74	285.51
Failures	0.00	0.00	0.00
Ratio	0.66	0.78	1.00
Number_Of_Threads	1	1	1

Summary	Run_Is_Compliant	Number_Of_Compliance_Issues(0)*	Median_Phase(p1)
Unreviewed_VMmark2_Applications_Score	21.04		
Unreviewed_VMmark2_Infrastructure_Score	0.80		
Unreviewed_VMmark2_Score	16.99		

Configuration

Virtualization Software	
Hypervisor Vendor, Product, Version, and Build / Availability Date (MM-DD-YYYY)	VMware ESX 4.1.0 U2 Build 502767/08-24-2011
Datacenter Management Software Vendor, Product, Version, and Build / Availability Date (MM-DD-YYYY)	VMware vCenter Server 5.0.0 Build 455964/08-24-2011
Supplemental Software	None
Servers	
Quantity	2
Server Manufacturer and Model	Huawei Tecal RH2485
Processor Vendor and Model	Intel Xeon E5-4650
Processor Speed (GHz)	2.7 GHz

Total Sockets/Total Cores/Total Threads	4 Sockets / 32 Cores / 64 Threads
Primary Cache	32KB I+32KB D on chip per core
Secondary Cache	256KB I+D on chip per core
Other Cache	20MB I+D on chip per chip L3
BIOS Version	V025
Memory Size (in GB, Number of DIMMs)	256 GB,16 * 16 GB
Memory Type and Speed	Dual rank PC3-12800 Registered ECC
Disk Subsystem Type	FC SAN
Number of Disk Controllers	1
Disk Controller Vendors and Models	1 x LSISAS2208
Number of Host Bus Adapters	3
Host Bus Adapter Vendors and Models	2*QLE2560 single port 8Gb Fibre HBA 1*QLE2462 dual port 4Gb Fibre HBA
Number of Network Controllers	2
Network Controller Vendors and Models	Intel 82580 Quad Port 1GbE Adapter Intel 82599 dual Port 10GbE Adapter
Other Hardware	None
Other Software	None
Hardware Availability Date (MM-DD-YYYY)	06-13-2012
Software Availability Date (MM-DD-YYYY)	08-15-2012
Network	
Network Switch Vendors and Models	2 x Huawei NX112
Network Speed	1Gbps for SUT management,all clients,mailserver and deploy,10Gbps for remaining VMs
Storage	
Array Vendors, Models, and Firmware Versions	4 x Huawei Oceanspace Dorado2100
Fibre Channel Switch Vendors and Models	None
Disk Space Used	6100 GB
Array Cache Size	2 GB
Total Number of Physical Disks Used	87
Total Number of Enclosures/Pods/Shelves Used	4

Number of Physical Disks Used per Enclosure/Pod/Shelf	Four enclosures with 24 SSDs,87 SSDs used
Total Number of Storage Groups Used	4
Number of LUNs Used	54
LUN Size and Number of Disks Per LUN	Details in section Storage Notes
RAID Type	Raid 0
Number of Members per RAID Set	Details in section Storage Notes
Disk Vendors, Models, and Speeds	87xHuawei,Dorado2100-STTZ01SSD50 SSD;

Datacenter Management Server	
System Model	Huawei Tecal E6000
Processor Vendor and Model	Intel Xeon E5620
Processor Speed (GHz)	2.40Ghz
Total Sockets/Total Cores/Total Threads	2 Sockets / 8 Cores / 16 Threads
Memory	8 GB
Network Controller(s) Vendors and Models	1 x Integrated Broadcom 1GbE BASE-T MC Server Adapter
Operating System, Version, and Service Pack	Microsoft Windows 2008 R2 Enterprise(64bit)
Other Hardware	None
Other Software	None

Clients	
Number of Clients	1 physical server(Prime Client) used as a dedicated Benchmark Controler 3 physical servers(ESXi server) used for 15 virtual clients
System Model(s)	Huawei Tecal E6000
Processor Vendor(s) and Model(s)	Intel Xeon E5620
Processor Speed(s) (GHz)	2.40Ghz
Total Sockets/Total Cores/Total Threads	2 Sockets / 8 Cores / 16 Threads
Memory per Client	Prime client: 8 GB ESXi Server:48 GB
Network Controlleri(s) Vendors and Models	1 x Integrated Broadcom 1GbE BASE-T MC Server Adapter
Operating System, Version, and Service Pack	Prime client:Microsoft Windows 2008 R2 Enterprise(64bit) Physical Clients:VMware ESXi 5.0.0(Build 469512) Virtual Clients:Microsoft Windows 2008 R2 Enterprise(64bit)

Other Hardware	None
Other Software	None

Notes for Workload

Virtualization Software Notes

All multiprocessor VMs are using the CPU-scheme single socket with multiple cores(default one core per multiple virtual sockets)
Logging was disabled for all VMs (default Enabled)
SCSI adapter type PVSCSI used for all mailserver VMs and Standby VMs(default LSI Logic SAS)
Ethernet adapter type set to VMXNET3 for all vms(default VMXNET2)
Floppy and CDROM removed for all VMs(default enabled)
Cluster DRS Automation Level set to Fully Automated level 2
Firewall was disabled in the Console OS(default enabled)

Advanced Setting

Cpu.CoschedCrossCall=0 (default 1)
Cpu.HaltingIdleMsecPenalty=0 (default 100)
Irq.RoutingPolicy=0 (default 2)
Mem.BalancePeriod = 0 (default 15)
Mem.SamplePeriod = 0 (default 60)
Mem.ShareScanGHz= 0 (default 60)
Mem.VMOverheadGrowthLimit=0 (default 4)
Misc.TimerMaxHardPeriod=4000 (default 4000)
Misc.TimerMinHardPeriod=2000 (default 2000)
Misc.WorldletHTSharing=45 (default 90)
Net.MaxNetifRxQueueLen = 500 (default 100)
Net.MaxNetifTxQueueLen=1000 (default 500)
Net.NetTxWorldlet = 0 (default 2)
Numa.LTermFairnessinterval = 0 (default 5)
Numa.PageMigEnable = 0 (default 1)
Numa.RebalancePeriod = 60000 (default 2000)
Numa.SwapLoadEnable = 0 (default 1)
Numa.SwapLocalityEnable = 0 (default 1)
Numa.SwapInterval = 1(default 3)

/vmkernel/module/ixgbe.o/options = "VMDQ=1,1" (defaults 8,8)
/vmkernel/module/qla2xxx.o/options = "ql2xmaxqdepth=256" (defaults 32)

Server Notes

Turbo Mode Enabled up to 3.8GHz
MLC Spatial Prefetcher : Disabled (default Enabled)
MLC Streamer Prefetcher : Disabled (default Enabled)

Networking Notes

vSwitch Configuration:
vSwitch 0 on vmnic6(1Gb) for Service Console
vSwitch 1 on vmnic0(10Gb) for all Olio VMs
vSwitch 2 on vmnic1(10Gb) for vmotion and all DS2 VMs
vSwitch 3 on vmnic7(1Gb) for all mailserver VMs
vSwitch 4 on vmnic8(1Gb) for Deploy VM and all standby VMs

Storage Notes

Dorado2100[0](total 24 SSDs,23 SSDs used)

Raid set 0: 4 x SSDs
  LUN0:Standby VM from Tile 0,4,8,12(50GB)
  LUN1:Standby VM from Tile 1,5,9,13(50GB)
Raid set 1: 4 x SSDs
  LUN2:OlioDB VM from Tile0(20GB)
  LUN3:OlioDB VM from Tile2(20GB)
  LUN4:OlioDB VM from Tile4(20GB)
Raid set 2: 5 x SSDs
  LUN5:All VMs from Tile3 except Standby VM,DS2Web VMs and OlioDB VM(230GB)
Raid set 3: 5 x SSDs
  LUN6:All VMs from Tile4 except Standby VM,DS2Web VMs and OlioDB VM(230GB)
Raid set 4: 5 x SSDs
  LUN7:All VMs from Tile5 except Standby VM,DS2Web VMs and OlioDB VM(230GB)

Dorado2100[1](total 24 SSDs)

Raid set 0: 4 x SSDs
  LUN0:Standby VM from Tile 2,6,10,14(50GB)
  LUN1:Standby VM from Tile 3,7,10,15(50GB)
Raid set 1: 5 x SSDs
  LUN2:OlioDB VM from Tile1(20GB)
  LUN3:OlioDB VM from Tile3(20GB)
  LUN4:OlioDB VM from Tile5(20GB)
Raid set 2: 5 x SSDs
  LUN5:All VMs from Tile0 except Standby VM,DS2Web VMs and OlioDB VM(230GB)
Raid set 3: 5 x SSDs
  LUN6:All VMs from Tile1 except Standby VM,DS2Web VMs and OlioDB VM(230GB)
Raid set 4: 5 x SSDs
  LUN7:All VMs from Tile2 except Standby VM,DS2Web VMs and OlioDB VM(230GB)

Dorado2100[2](total 24 SSDs,20 SSDs used)

Raid set 0: 4 x SSDs
  LUN0:OlioDB VM from Tile7(20GB)
  LUN1:All VMs from Tile7 except Standby VM,OlioDB VM and DS2DB VM(230GB)
  LUN2:DS2DB VM from Tile7(60GB)
  LUN3:DS2Web VMs from Tile1(40GB)

Raid set 1: 4 x SSDs
LUN4:OlioDB VM from Tile9(20GB)
LUN5:All VMs from Tile9 except Standby VM,OlioDB VM and DS2DB VM(230GB)
LUN6:DS2DB VM from Tile9(60GB)
LUN7:DS2Web VMs from Tile3(40GB)
Raid set 2: 4 x SSDs
LUN8:OlioDB VM from Tile11(20GB)
LUN9:All VMs from Tile11 except Standby VM,OlioDB VM and DS2DB VM(230GB)
LUN10:DS2DB VM from Tile11(60GB)
LUN11:DS2Web VMs from Tile5(40GB)
Raid set 3: 4 x SSDs
LUN12:OlioDB VM from Tile13(20GB)
LUN13:All VMs from Tile13 except Standby VM,OlioDB VM and DS2DB VM(230GB)
LUN14:DS2DB VM from Tile13(60GB)
LUN15:SVmotion Target(20GB)
Raid set 4: 4 x SSDs
LUN16:OlioDB VM from Tile15(20GB)
LUN17:All VMs from Tile15 except Standby VM,OlioDB VM and DS2DB VM(230GB)
LUN18:DS2DB VM from Tile15(60GB)
LUN19:Deploy Target(10GB)

Dorado2100[3](total 24 SSDs,20 SSDs used)

Raid set 0: 4 x SSDs
LUN0:OlioDB VM from Tile6(20GB)
LUN1:All VMs from Tile6 except Standby VM,OlioDB VM and DS2DB VM(230GB)
LUN2:DS2DB VM from Tile6(60GB)
LUN3:DS2Web VMs from Tile0(40GB)
Raid set 1: 4 x SSDs
LUN4:OlioDB VM from Tile8(20GB)
LUN5:All VMs from Tile8 except Standby VM,OlioDB VM and DS2DB VM(230GB)
LUN6:DS2DB VM from Tile8(60GB)
LUN7:DS2Web VMs from Tile1(40GB)
Raid set 2: 4 x SSDs
LUN8:OlioDB VM from Tile10(20GB)
LUN9:All VMs from Tile10 except Standby VM,OlioDB VM and DS2DB VM(230GB)
LUN10:DS2DB VM from Tile10(60GB)
LUN11:DS2Web VMs from Tile2(40GB)
Raid set 3: 4 x SSDs
LUN12:OlioDB VM from Tile12(20GB)
LUN13:All VMs from Tile12 except Standby VM,OlioDB VM and DS2DB VM(230GB)
LUN14:DS2DB VM from Tile12(60GB)
Raid set 4: 4 x SSDs
LUN15:OlioDB VM from Tile14(20GB)
LUN16:All VMs from Tile14 except Standby VM,OlioDB VM and DS2DB VM(230GB)
LUN17:DS2DB VM from Tile14(60GB)
LUN18:Deploy Template(10GB)

Datacenter Management Server Notes

None

Operating System Notes

All Mailserver VMs running Microsoft Windows Server 2008 R2 Enterprise(64-bit)
All Standby VMs running Microsoft Windows Server 2003 R2 Enterprise SP2(32-bit)
All DS2DB VMs were running VMware tools version 8300
OlioWeb VMs,OlioDB VMs,DS2Web VMs and mailserver VMS for tile 11,14,15 running VMware tools version 8384
Standby VMs for tile 14,15 running VMware tools version 8384
Other VMs running VMware tools version 8389
Diagnostic System Host was not running in Mailserver 7,8,15

Software Notes

None

Client Notes

One physical client was prime client
One physical client ran five client virtual machines
Prime client was running VMware vSphere PowerCLI-4.1.1-332441
All clients were run on virtual machines that were each defined with 4vCPU,4GB memory,1 VMXNET3 network and 32GB disk space
All client operating systems were Microsoft Windows Server 2008 R2 Enterprise(64-bit)

Other Notes

None
