


	<b>HP ProLiant DL380p Gen8</b> <b>Intel® Xeon® E5-2697v2</b> <b>C/S with 1 ProLiant DL360 G7</b>		TPC-VMS: 1.2.0
			TPC-E: 1.12.0
			TPC Pricing: 1.7.0
			Report Date: April 14, 2014
TPC-VMS Throughput	Price/Performance	Availability Date	Total System Cost
718.12 VMStpsE	\$648 USD/VMStpsE	April 14, 2014	\$465,256 USD
<b>Virtual System Under Test Configuration</b>			
VMMS	Processor/Cores/Thread		Memory
VMware vSphere 5.5	2/24/48 Intel® Xeon® E5-2697v2 2.7GHz GHz 30 MB L3		256 Gbyte
<div><div><p><u>Tier B: Server</u> <b>HP ProLiant DL380p Gen8</b></p><p>2 x Intel® Xeon® Processor E5-2697 v2 (2.7GHz/12-core) Processor (2/24/48) 256 GB Memory 6 x HP Smart Array P421/2GB 2 x HP 146GB SAS 15K SFF DP ENT HDD (Boot) 6 x HP 300GB SAS 15K SFF DP ENT HDD 2 Drives for each VM (Database Log)</p></div><div></div></div> <div><p><u>Tier A: Client</u></p><p>1 x ProLiant DL360 G7 2x Hex-Core Intel Xeon X5670 Processor 2.93GHz 2 x 8GB PC3-10600 Memory 2 x 146GB 6G SAS 15K SFF DP 4 x Onboard 1Gbps Ethernet</p></div> <div><p><u>Storage</u></p><p>6 x HP StorageWorks D2700 Disk Enclosure, two per each VM 24 X HP 800GB 6G SATA MLC SFF (2.5-inch) SSD 4 per enclosure, 8 per VM.</p><p><u>Priced Only</u> 6 x 500GB 6G SAS 7.2K SFF DP ENT HDD (60 Day Space)</p></div>			

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	VM1	VM2	VM3
Performance	718.12 tpsE	737.08 tpsE	723.91 tpsE
Maximum Number of Virtual Processors	15	15	15
VM Memory	80GB	80GB	80GB
Maximum Capacity of Virtual Storage	4786GB	4786GB	4786GB
Operating System	Microsoft Windows Server 2012 Standard Edition	Microsoft Windows Server 2012 Standard Edition	Microsoft Windows Server 2012 Standard Edition
Database Manager	Microsoft SQL Server 2014 Enterprise Edition	Microsoft SQL Server 2014 Enterprise Edition	Microsoft SQL Server 2014 Enterprise Edition
Scaling Component	375,000	375,000	375,000
Initial Number of Row Per VM	43,893,444,123	43,893,444,123	43,893,444,123
Initial Database Size Per VM	3063GB	3063GB	3063GB

	HP ProLiant DL380p Gen8 TPC-VMS 1.2.0				TPC-E		1.12.0
					TPC-Pricing		1.7.0
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					Availability Date		14-Apr-14
Description	Part Number	Brand	Unit Price	Qty.	Extended Price	3 Yr Maint Price	
Server Hardware (Tier B)							
HP ProLiant DL380p Gen8 8 SFF Configure-to-order Server	653200-B21	1	2,803	1	2,803		
HP DL380p Gen8 Intel® Xeon® E5-2697v2 (2.7GHz/12-core/30MB/130W) FIO Processor	715224-B21	1	3,749	2	7,498		
HP 16GB (1x16GB) Dual Rank x4 PC3-14900R (DDR3-1866) Registered CAS-13 Memory	708641-B21	1	375	16	6,000		
HP 146GB 6G SAS 15K rpm SFF (2.5-inch) SC Enterprise	652605-B21	1	355	2	710		
HP 300GB 6G SAS 15K rpm SFF (2.5-inch) SC Enterprise	652611-B21	1	545	6	3,270		
HP Smart Array P421/2GB FBWC 6Gb 2-ports Ext SAS Controller	631674-B21	1	899	6	5,394		
HP 3 year 4 hour 24x7 ProLiant DL38x(p) Proactive Care Service	U2Z50E	1	2,587	1		\$2,587	
			Subtotal		\$25,675	\$2,587	
Server Software							
SQL Server 2014 Enterprise Edition, 2 Core License	7JQ-00750	2	13,472.50	23	309,868		
Windows Server 2012 Standard Edition	P73-05761	2	735	2	1,470		
Microsoft Problem Resolution Services	N/A	2	259	1		259	
VMware VSphere 5.5 Enterprise 1 Processor	BD713AAE	1	\$4,678	2	9,356		
			Subtotal		\$320,694	259	
Storage							
HP D2700 Disk Enclosure	AJ941A	1	3,399	6	20,394		
HP 3 year 4 hour 24x7 D2000 Enclosure Hardware Support	UQ540E	1	1,980	6		11,880	
HP 800GB 6G SATA SFF 2.5-in Enterprise Mainstream 3yr Wty Solid State Drive	730065-B21	1	5,319	24	127,656		
HP 500GB 6G SAS 7.2K rpm SFF DP Midline Hard Drive (60 Day)	507610-B21	1	369	6	2,214		
			Subtotal		150,264	11,880	
Client Hardware (Tier A)							
HP ProLiant DL360 G7 CTO Server	579237-B21	1	1,721	1	1,721		
HP DL360 G7 Intel® Xeon® X5670 (2.93GHz/6-core/12MB/95W) Processor	588062-B21	1	2,624	2	5,248		
HP 8GB (1x8GB) Dual Rank x8 PC3-10600 Memory Kit	500662-B21	1	219	2	438		
HP 146GB 6G SAS 15K rpm SFF (2.5-inch) Enterprise 3yr Warranty Hard Drive	512547-B21	1	369	2	738		
HP 3y 4h 24x7 ProLiant DL36x HW Support ,ProLiant DL36x	U4497E	1	1,086	1		1,086	
			Subtotal		8,145	1,086	
Client Software							
Microsoft Windows Server 2008 R2 Enterprise Edition	P72-04217	2	2,280	1	2,280		
			Subtotal		2,280	0	
Infrastructure							
HP 1.2m/4ft CAT5 RJ45 M/M Ethernet Cable	C7533A	1	4.00	5	20		
HP V142 1075mm deep Pallet 100 series Rack	AF046S	1	789	1	789		
HP W2072a 20-inch Diagonal LED Backlit LCD Monitor	A3M50AA#ABA	1	119	3	357		
HP Wireless Classic Desktop Mouse and Keyboard	LV290AA#ABA	1	30	3	90		
			Subtotal		1,256	0	
			Total Extended Price		\$508,313	\$15,812	
Large Purchase and Net 30 discount (See Note 1)			28.0%		Total Discounts	\$54,515	\$4,355
			Grand Total		\$453,799	\$11,457	
Pricing: 1=HP Direct 800-203-6748 2= Microsoft. Note 1: Discount based on HP Direct guidance applies to all lines where pricing = 1. Note 2: All the hardware are available to order. Note 3: The benchmark results were audited by Doug Johnson for InfoSizing. www.infosizing.com.			Three-year Cost of Ownership: USD			\$465,256	
			tpsE			718.12	
			\$ USD/VMStepsE			\$648	