

			TPCx-H	HS		v2.0
DCL EMC Dell PowerEdge	R64	15	TPC Pricing			v2.4
			Report	Date	Jan. 2	3, 201
Description	Part Number	Source	Unit Price	Qty	Extended Price	3 Yr. Maii Price
ARDWARE COMPONENTS						
owerEdge R6415 Server	210-ANJO	1	\$28,553.00	16	\$456,848.00	
PowerEdge R6415/R7415 Motherboard	384-BBSR	1	\$0.00	16	\$0.00	
No Trusted Platform Module	461-AADZ	1	\$0.00	16	\$0.00	
2.5" Chassis with up to 10 Hard Drives, including up to 8 SAS/SATA or 9 NVME Drives	321-BDFY	1	\$0.00	16	\$0.00	
PowerEdge R6415 Shipping	340-BTFM	1	\$0.00	16	\$0.00	
owerEdge R6415 x4 or x10 Drive Shipping Material	343-BBGL	1	\$0.00	16	\$0.00	
MD EPYC™ 7551P 2.00GHz/2.55GHz, 32C/64T, 64M Cache (180W) DDR4-2666	338-BNCU	1	\$0.00	16	\$0.00	
tandard Heatsink	412-AALH	1	\$0.00	16	\$0.00	
666MT/s RDIMMs	370-ADNU	1	\$0.00	16	\$0.00	
erformance Optimized	370-AAIP	1	\$0.00	16	\$0.00	
nconfigured RAID	780-BCDS	1	\$0.00	16	\$0.00	
ERC H740P RAID Controller, 8GB NV Cache, Mini card	405-AAM S	1	\$0.00	16	\$0.00	
ed Hat Enterprise Linux Non Factory Install,x64,Req Lic⋐ Selection	421-4727	1	\$0.00	16	\$0.00	
DRAC9,Enterprise	385-BBKT	1	\$0.00	16	\$0.00	
ORAC Group Manager, Disabled	379-BCQY	1	\$0.00	16	\$0.00	
DRAC,Factory Generated Password	379-BCSF	1	\$0.00	16	\$0.00	
iser Config 1, 2 x 16 LP	330-BBIV	1	\$0.00	16	\$0.00	
In-Board LOM	542-BBBP	1	\$0.00	16	\$0.00	
lo Internal Optical Drive	429-AAIQ	1	\$0.00	16	\$0.00	
ual, Hot Plug, Redundant Power Supply (1+1), 550W	450-AGZB	1	\$0.00	16	\$0.00	
lo Bezel	350-BBBW	1	\$0.00	16	\$0.00	
ell EMC Luggage Tag	350-BBM E	1	\$0.00	16	\$0.00	
o Quick Sync	350-BBKR	1	\$0.00	16	\$0.00	
erformance BIOS Settings	384-BBBL	1	\$0.00	16	\$0.00	
EFI BIOS Boot Mode with GPT Partition	800-BBDM	1	\$0.00	16	\$0.00	
eadyRails Sliding Rails With Cable Management Arm	770-BCKT	1	\$0.00	16	\$0.00	
o Systems Documentation, No OpenManage DVD Kit	631-AACK	1	\$0.00	16	\$0.00	
ell Hardware Limited Warranty Plus On-Site Service	816-0779	1	\$0.00	16	Ş0.00	
roSupport Mission Critical: 7x24 HW / SW Technical Support and Assistance, 3 Years	816-0796	1	\$1,438.00	16		, \$23,0
roSupport Mission Critical: 4-Hour 7x24 On-Site Service with Emergency Dispatch, 3 Years	816-0784	1	\$262.00	16		\$4,1
hank you choosing Dell ProSupport. For tech support, visit //www.dell.com/support or call 1-800- 945-	010 0701	1	Ş202.00	10		, 4,1.
355	989-3439	1	¢0.00	10		
)n-Site Installation Declined	900-9997	1	\$0.00	16		:
IZGB RDIMM 2666MT/s Dual Rank	370-ADNF	1	\$0.00	16	ć0.00	:
60GB SSD SATA 6Gbps 512e 2.5in Hot Plug S4510 Drive	400-BDNJ	1	\$0.00	128	\$0.00	
	400-BDNJ 400-AUM P	1	\$0.00	16	\$0.00	
Dell 1.6TB, NVMe, Mixed Use Express Flash, 2.5 SFF Drive, U.2, PM 1725a with Carrier		1	\$0.00	48	\$0.00	
Aellanox ConnectX-4 Lx Dual Port 25GbE SFP28 Network Adapter, Low Profile :13 to C14, PDU Style, 12 AMP, 6.5 Feet (2m) Power Cord, North America	406-BBLD 492-BBDI	1	\$0.00	16	\$0.00	
	210-ANCK	1	\$0.00	32	\$0.00	
Dell EMC S5148F-ON Switch,48x 25GbE,6x 100GbE QSFP28, IO to PSU,2 PSU,OS10		1	\$25,701.00	1	\$25,701.00	
DS10 Enterprise S5148F-ON	634-BM IF	1	\$0.00	1	\$0.00	
Dell Networking, Cable, SFP28 to SFP28, 25GbE, Passive Copper Twinax Direct Attach Cable, 2 Meter	470-ACET	1	\$0.00	17	\$0.00	
Dell EMC S5148 Series User Guide	343-BBFV	1	\$0.00	1	\$0.00	
Force10, Power Cord, 125V, 15A, 10 Feet, NEMA 5-15/C13, S-Series	450-AAFH	1	\$0.00	1	\$0.00	
ell Hardware Limited Warranty 1 Year	814-8268	1	\$0.00	1	\$0.00	
hank you choosing Dell ProSupport. For tech support, visit //www.dell.com/support or call 1-800-945-	989-3439	1				
355			\$0.00	1	\$0.00	
ell Limited Hardware Warranty Extended Year(s)	975-3461	1	\$0.00	1		Ş
lission Critical Package: 4-Hour 7X24 On-Site Service with Emergency Dispatch, 2 Year Extended	814-8278	1	\$423.00	1		\$42
roSupport: 7x24 HW / SW Tech Support and Assistance, 3 Year	814-8288	1	\$5,956.00	1		\$5,95
nfo 3rd Party Software Warranty provided by Vendor	997-6306	1	\$0.00	1		Ş
lission Critical Package: 4-Hour 7X24 On-Site Service with Emergency Dispatch, 1 Year	814-8277	1	\$111.00	1		\$1:
Dn-Site Installation Declined	900-9997	1	\$0.00	1		Ş
PC NetShelter SX 24U 600mm x 1070mm Deep Enclosure	A7067508	1	\$1,079.99	1	\$1,079.99	
			6474.00	1	\$174.99	
Rack PDU, Basic, Zero U, 15A, 120V, 5-15 input, (14) 5-15 output	A7541364	1	\$174.99	1	Ş1/4.55	
Rack PDU, Basic, Zero U, 15A, 120V, 5-15 input, (14) 5-15 output Logitech MK120 Keyboard and Mouse Dell 24 Monitor	A7541364 A6999510 210-AIWG	1	\$174.99 \$15.99	1	\$174.99	

					TPCx-ł	IS		v2.0.3
DELLEMC	Dell PowerEc	dge	R64	15	TPC PI	icing		v2.4.0
		•			Report	Date	Jan.	23, 2019
	Description		Part Number	Source	Unit Price	Qty	Extended Price	3 Yr. Maint. Price
PowerEdge R6415 Server			210-ANJO	1	\$18,416.00	1	\$18,416.00	FILE
PowerEdge R6415/R7415 Motherboard			384-BBSR	1	\$0.00	1	\$0.00	
No Trusted Platform Module			461-AADZ	1	\$0.00	1	\$0.00	
2.5" Chassis with up to 10 Hard Drives, inc	luding up to 8 SAS/SATA or 9 NVME Drives		321-BDFY	1	\$0.00	1	\$0.00	
PowerEdge R6415 Shipping			340-BTFM	1	\$0.00	1	\$0.00	
PowerEdge R6415 x4 or x10 Drive Shipping	Material		343-BBGL	1	\$0.00	1	\$0.00	
AMD EPYC™ 7551P 2.00GHz/2.55GHz, 32C/€	64T, 64M Cache (180W) DDR4-2666		338-BNCU	1	\$0.00	1	\$0.00	
Standard Heatsink			412-AALH	1	\$0.00	1	\$0.00	
2666MT/s RDIMMs			370-ADNU	1	\$0.00	1	\$0.00	
Performance Optimized			370-AAIP	1	\$0.00	1	\$0.00	
Unconfigured RAID			780-BCDS	1	\$0.00	1	\$0.00	
PERC H740P RAID Controller, 8GB NV Cach	e, Mini card		405-AAM S	1	\$0.00	1	\$0.00	
Red Hat Enterprise Linux Non Factory Inst	tall,x64,Req Lic⋐ Selection		421-4727	1	\$0.00	1	\$0.00	
iDRAC9,Enterprise			385-BBKT	1	\$0.00	1	\$0.00	
iDRAC Group Manager, Disabled			379-BCQY	1	\$0.00	1	\$0.00	
iDRAC,Factory Generated Password			379-BCSF	1	\$0.00	1	\$0.00	
Riser Config 1, 2 x 16 LP			330-BBIV	1	\$0.00	1	\$0.00	
On-Board LOM			542-BBBP	1	\$0.00	1	\$0.00	
No Internal Optical Drive			429-AAIQ	1	\$0.00	1	\$0.00	
Dual, Hot Plug, Redundant Power Supply	(1+1), 550W		450-AGZB	1	\$0.00	1	\$0.00	
No Bezel			350-BBBW	1	\$0.00	1	\$0.00	
Dell EMC Luggage Tag			350-BBME	1	\$0.00	1	\$0.00	
No Quick Sync			350-BBKR	1	\$0.00	1	\$0.00	
Performance BIOS Settings			384-BBBL	1	\$0.00	1	\$0.00	
UEFI BIOS Boot Mode with GPT Partition			800-BBDM	1	\$0.00	1	\$0.00	
ReadyRails Sliding Rails With Cable Manage	ement Arm		770-BCKT	1	\$0.00	1	\$0.00	
No Systems Documentation, No OpenMan	age DVD Kit		631-AACK	1	\$0.00	1	\$0.00	
Dell Hardware Limited Warranty Plus On-S	ite Service		816-0779	1	\$0.00	1		\$0.00
ProSupport Mission Critical: 7x24 HW / SW	/ Technical Support and Assistance, 3 Years		816-0796	1	\$1,438.00	1		\$1,438.00
	Dn-Site Service with Emergency Dispatch, 3 Years		816-0784	1	\$262.00	1		\$262.00
	tech support, visit //www.dell.com/support or call	1-800- 945-		-	<i>\$202.00</i>	-		<i>\$</i> 202.00
3355			989-3439	1	\$0.00	1		\$0.00
On-Site Installation Declined			900-9997	1	\$0.00	1		\$0.00
32GB RDIMM 2666MT/s Dual Rank			370-ADNF	1	\$0.00	8	\$0.00	
960GB SSD SATA 6Gbps 512e 2.5in Hot Plus	g S4510 Drive		400-BDNJ	1	\$0.00	1	\$0.00	
Mellanox ConnectX-4 Lx Dual Port 25GbE			406-BBLD	1	\$0.00	1	\$0.00	
C13 to C14, PDU Style, 12 AMP, 6.5 Feet (2			492-BBDI	1	\$0.00	2	\$0.00	
Sub Total	,			-	Ŷ0.00	-	\$18,416.00	\$1,700.00
HARDWARE COMPONENTS						ubtotal	\$502,375.96	\$35,390.00
SOFTWARE COMPONENTS					3	abioldi	202,272,30	<i>433,390.00</i>
SEL Cloudera Basic Gold Node , Node Lice	ense, 24x7, 3YR		CEBN-GOLD-I	1	\$7,386.00	17		\$125,562.00
Red Hat Enterprise Linux, Non Factory Ins	stall, x64, Reqs Lic & Sub Selection		421-4727	1	\$0.00	17		\$0.00
Red Hat Linux Registration Document, No	Subscription		340-AVFG	1	\$0.00	17		
Red Hat Enterprise Linux,1-2SKT,3yr Prem	ium Subscription,1 Virtual Guest		421-5721	1	\$3,702	17		\$62,934.00
SOFTWARE COMPONENTS					s	ubtotal	\$0.00	\$188,496.00
Fotal							\$502,375.96	\$223,886.00
arge Purchase Discount (35%)*	1						\$175,831.59	-\$78,360.10
0	ore components of the Measured	Three	-Year Co	st of	Owners	hip:	\$	472,07 ⁻
onfiguration have been substitu ee the FDR for details.	uted in the Priced Configuration.			Н	Sph@10)TR·		17.19
	s where Key = 1. Discount based				-			
oon total system cost as purcha				\$/H	Sph@10)TB:	\$27	7,461.9
Audited by Doug J	ohnson InfoSizing							

Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated Line Items. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts reflect standard pricing policies for the listed Line Items. For complete details, see the pricing section of the TPC Benchmark Standard. If you find that the stated prices are not available according to these terms, please inform the TPC at pricing@tpc.org. Thank you.

			TPCx-HS	v2.0.3
DELLEMC	Dell Power	Edge R6415	TPC Pricing	v2.4.0
			Report Date	Jan. 23, 2019
	Numerical	Quantities		
		Run – Run 1		
Scale	e Factor		10TB	
Run E	Start Time End Time	2018-12-12 22:13:32 2018-12-12 22:48:23	3.000	
Run E	Elapsed Time	2,094	1.000	
HSGe	en Start Time en End Time en Elapsed Time	2018-12-12 22:13:33 2018-12-12 22:22:26 534		
HSSo	ort Start Time ort End Time ort Elapsed Time	2018-12-12 22:22:29 2018-12-12 22:45:00 1,351	0.000	
HSVa HSVa	alidate Start Time alidate End Time	2018-12-12 22:45:04 2018-12-12 22:48:23	1.000	
1000	alidate Elapsed Time	20	1.125	
Sools	Repeatability	r Run – Run 2	10TB	
State				
	Start Time End Time	2018-12-12 22:49:29 2018-12-12 23:24:15		
	Elapsed Time	2,089		
	en Start Time en End Time	2018-12-12 22:49:31 2018-12-12 22:58:27		
HSGe	en Elapsed Time	537	7.405	
	ort Start Time ort End Time	2018-12-12 22:58:30 2018-12-12 23:20:59		
HSSo	ort Elapsed Time	1,350).761	
HSVa	alidate Start Time alidate End Time	2018-12-12 23:21:03 2018-12-12 23:24:15	5.000	
HSVa	alidate Elapsed Time	194	1.029	

			TPCx-HS	
LEMC	Dell	PowerEdge R641	5 TPC Pricing	
			Report Date	Jan.
		Run Reports		
		·		
Pun Poport f	or Porform	nance Run – Run 1		
				=
TPCx-HS Pe	rformance	e Metric (HSph@SF) Report		
Test Run 1 E	Details	Total Time = Total Size =	209 1000000000	
		Scale-Factor =		0
TPCx-HS Pe	rformance	e Metric (HSph@SF):	17.193	9
	======			=
Pun Poport f	or Poposi	tability Run – Run 2		
				=
TPCx-HS Pe	rformance	e Metric (HSph@SF) Report		
Test Run 2 D	Details	Total Time = Total Size =	208 1000000000	
		Scale-Factor =		0
TPCx-HS Pe	rformance	e Metric (HSph@SF):	17.235	64
				_

Dell PowerEdge R6415 TPC Pricing v2.4.0 Report Date Jan. 23, 2019 Revision History Date Edition Description January 23, 2019 First Initial Publication			TPCx-HS	v2.0.3
Report Date Jan. 23, 2019 Revision History Date Edition Description	DELLEMC	Dell PowerEdge R6415	TPC Pricing	v2.4.0
Date Edition Description			Report Date	Jan. 23, 2019
Date Edition Description				
Date Edition Description				
Date Edition Description				
January 23, 2019 First Initial Publication	Date	Edition Description		
	January 23, 2019	First Initial Publication		