

				TPC	x-HS		v2.0.
D&LLEMC [	Dell PowerEdge	<b>R64</b>	15	5 ТРС	TPC Pricing		v2.3
				Repo			16, 201
D	escription	Part Number	Key	Unit Price	Qty <sup>E</sup>	xtended Price	3 yr. Maint Price
IARDWARE COMPONENTS							
owerEdge R6415 Server		210-ANJO	1	\$23,989.00	16	\$383,824.00	
PowerEdge R6415/R7415 Motherboard		384-BBSR	1	\$0.00	16		
No Trusted Platform Module		461-AADZ	1	\$0.00	16		
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		
PowerEdge R6415 Shipping		340-BTFM	1	\$0.00	16		
PowerEdge R6415 x4 or x10 Drive Shipping Materi		343-BBGL	1	\$0.00	16		
AMD EPYC <sup>™</sup> 7551P 2.00GHz/2.55GHz, 32C/64T, 64/ Standard Heatsink	W Cache (180W) DDR4-2666	338-BNCG	1	\$0.00	16		
		412-AALH	1	\$0.00	16		
2666MT/s RDIMMs Performance Optimized		370-ADNU 370-AAIP	1	\$0.00	16		
Unconfigured RAID		780-BCDS	1	\$0.00	16		
PERC H740P RAID Controller, 8GB NV Cache, Mini	card	405-AAM S	1	\$0.00	16		
No Operating System		619-ABVR	1	\$0.00 \$0.00	16 16		
No Media Required		421-5736	1	\$0.00 \$0.00	16 16		
iDRAC9,Enterprise		385-BBKT	1	\$0.00 \$0.00	16		
iDRAC Group Manager, Disabled		379-BCQY	1	\$0.00	16		
iDRAC,Factory Generated Password		379-BCSF	1	\$0.00	16		
Riser Config 1, 2 x 16 LP		330-BBIV	1	\$0.00	16		
On-Board LOM		542-BBBP	1	\$0.00	16		
No Internal Optical Drive		429-AAIQ	1	\$0.00	16		
Dual, Hot Plug, Redundant Power Supply (1+1), 5	50W	450-AGZB	1	\$0.00	16		
No Bezel		350-BBBW	1	\$0.00	16		
Dell EMC Luggage Tag		350-BBM E	1	\$0.00	16		
No Quick Sync		350-BBKR	1	\$0.00	16		
Performance BIOS Settings		384-BBBL	1	\$0.00	16		
UEFI BIOS Boot Mode with GPT Partition		800-BBDM	1	\$0.00	16		
ReadyRails Sliding Rails With Cable Management A	Arm	770-BCKT	1	\$0.00	16		
No Systems Documentation, No OpenManage DVI	D Kit	631-AACK	1	\$0.00	16		
US Order		332-1286	1	\$0.00	16		
Dell Hardware Limited Warranty Plus On-Site Ser		816-0779	1	\$200.00	16		\$3,200.0
ProSupport Mission Critical: 7x24 HW / SW Techr		816-0779	1	\$1,438.00	16		\$23,008.0
3 Years ProSupport and Mission Critical 4Hr Onsi		816-0780	1	\$262.00	16		\$4,192.0
	upport, visit //www.dell.com/support or call 1-800- 945-	989-3439					
3355			1	\$0.00	16		
On-Site Installation Declined		900-9997	1	\$0.00	16		
32GB RDIMM 2666MT/s Dual Rank		370-ADNF	1	\$0.00	128		
120GB SSD SATA Boot 6Gbps 512n 2.5in Hot-plug Dell 1.6TB, NVMe, Mixed Use Express Flash, 2.5 S		400-ASEG 400-AUM P	_	\$0.00	16		
Mellanox ConnectX-4 Lx Dual Port 25GbE SFP28 N		400-AUMP 406-BBLD	1	\$0.00	32		
C13 to C14, PDU Style, 12 AMP, 6.5 Feet (2m) Pov		406-BBLD 492-BBDI	1	\$0.00	16		
Dell EMC S5148F-ON Switch,48x 25GbE,6x 100GbE		210-ANCK	1 1	\$0.00 \$25,279.00	32 1	\$25,279.00	
OS10 Enterprise S5148F-ON		634-BMIF	1	\$0.00	1	00.72×2,2×2	
	assive Copper Twinax Direct Attach Cable, 2 Meter	470-ACET	1	\$0.00	1		
Dell EMC S5148 Series User Guide	····	343-BBFV	1	\$0.00	1		
US No Canada Ship Charge		332-1286	1	\$0.00	1		
Force10, Power Cord, 125V, 15A, 10 Feet, NEMA	5-15/C13, S-Series	450-AAFH	1	\$0.00	1		
Dell Hardware Limited Warranty 1 Year		814-8268	1	\$0.00	1		\$422.0
Thank you choosing Dell ProSupport. For tech su	upport, visit //www.dell.com/support or call 1-800- 945-	989-3439	1	\$0.00			
3355		075 2444	4	ć0.00	1		\$0.0
Dell Limited Hardware Warranty Extended Year(s		975-3461	1	\$0.00	1		\$0.0
Mission Critical Package: 4-Hour 7X24 On-Site Ser		814-8278	1	\$423.00	1		\$423.0
ProSupport: 7x24 HW / SW Tech Support and Ass		814-8288	1	\$5,956.00 \$0.00	1		\$5,956.0
Info 3rd Party Software Warranty provided by Ve		997-6306 814-8277	1	\$0.00 \$111.00	1		\$0.0
Mission Critical Package: 4-Hour 7X24 On-Site Sei On-Site Installation Declined	TYCE WILL LINE BEILY DISPALLI, I TEAL	814-8277 900-9997	1 1	\$111.00 \$0.00	1		\$111.0
APC NetShelter SX 24U 600mm x 1070mm Deep En	closure	A7067508	1	\$0.00 \$1,254.98	1 1	¢1 254 00	\$0.0
Rack PDU, Basic, Zero U, 15A, 120V, 5-15 input, (		A7541364	1	\$0.00	1	\$1,254.98	
Logitech MK120 Keyboard and Mouse		A6999510	1	\$13.99	1	\$13.99	
Dell 24 Monitor		210-AIWG	1	\$169.99	1	\$13.99 \$169.99	
ubtotal		210 / 1110		4.0/.//	1	2103.33	\$37,312.0

					TPCx	-HS		v2.0
<b>D&amp;LL</b> EMC	<b>Dell PowerE</b>	dge	<b>R64</b>	15	TPC	Pricing	ļ	v2.3
		•				rt Date	e Nov.	16, 20
	Description		Part Number	Кеу	Unit Price	Qty	Extended Price	3 yr. Maint Price
PowerEdge R6415 Server			210-ANJO	1	\$17,231.00	1	\$17,231.00	
PowerEdge R6415/R7415 Motherboard			384-BBSR	1	\$0.00	1		
No Trusted Platform Module			461-AADZ	1	\$0.00	1		
	cluding up to 8 SAS/SATA or 9 NVME Drives		321-BDFY	1	\$0.00	1		
PowerEdge R6415 Shipping			340-BTFM	1	\$0.00	1		
PowerEdge R6415 x4 or x10 Drive Shippin			343-BBGL	1	\$0.00	1		
AM D EPYC™ 7551P 2.00GHz/2.55GHz, 32C/	641, 64M Cache (180W) DDR4-2666		338-BNCG	1	\$0.00	1		
Standard Heatsink			412-AALH	1	\$0.00	1		
2666MT/s RDIMMs			370-ADNU	1	\$0.00	1		
Performance Optimized			370-AAIP	1	\$0.00	1		
Unconfigured RAID	an Mini card		780-BCDS 405-AAM S	1	\$0.00	1		
PERC H740P RAID Controller, 8GB NV Cacl No Operating System	ic, min cara		403-AAM 5 619-ABVR	1	\$0.00	1		
No Media Required			421-5736	1	\$0.00	1		
iDRAC9,Enterprise			421-5756 385-BBKT	1	\$0.00	1		
iDRAC Group Manager, Disabled			379-BCQY	1	\$0.00	1		
iDRAC,Factory Generated Password			379-BCQ1 379-BCSF	1	\$0.00	1		
Riser Config 1, 2 x 16 LP			379-BCSF 330-BBIV	1 1	\$0.00 \$0.00	1		
On-Board LOM			542-BBBP	1		1		
No Internal Optical Drive			429-AAIQ	1	\$0.00 \$0.00	1		
Dual, Hot Plug, Redundant Power Supply	(1+1) 550W		450-AGZB	1		1		
No Bezel	(1.1), 5500		350-BBBW		\$0.00			
Dell EMC Luggage Tag			350-BBM E	1	\$0.00	1		
No Quick Sync			350-BBKR	1	\$0.00 \$0.00	1		
Performance BIOS Settings			384-BBBL	1	\$0.00	1		
UEFI BIOS Boot Mode with GPT Partition			800-BBDM	1	\$0.00	1		
ReadyRails Sliding Rails With Cable Manag	ement Arm		770-BCKT	1	\$0.00	1		
No Systems Documentation, No OpenMar			631-AACK	1	\$0.00	2		
US Order			332-1286	1	\$0.00	1		
Dell Hardware Limited Warranty Plus On-	Site Service		816-0779	1	\$200.00	1		\$200
	W Technical Support and Assistance, 3 Years		816-0779	1	\$1,438.00	1		\$1,438
3 Years ProSupport and Mission Critical 4			816-0780	1	\$262.00	1		\$262
	tech support, visit //www.dell.com/support or ca	all 1-800- 945-		-	<i>\$202.00</i>	-		<i>\$</i> 202
3355			989-3439	1	\$0.00	1		\$0
On-Site Installation Declined			900-9997	1	\$0.00	1		
32GB RDIMM 2666MT/s Dual Rank			370-ADNF	1	\$0.00	8		
120GB SSD SATA Boot 6Gbps 512n 2.5in H	ot-plug Drive, 1 DWPD, 219 TBW		400-ASEG		\$0.00	1		
Mellanox ConnectX-4 Lx Dual Port 25GbE			406-BBLD	1	\$0.00	1		
C13 to C14, PDU Style, 12 AMP, 6.5 Feet	(2m) Power Cord, North America		492-BBDI	1	\$0.00	2		
ıb Total							\$17,231.00	\$1,900.
ARDWARE COMPONENTS					S	ubtotal	\$427,772.96	\$39,212
DFTWARE COMPONENTS								
Cloudera Enterprise Basic Edition, Node	License, 24x7, 3YR		CEBN-GOLD-1	1	\$7,386.00	17		\$125,562.
Red Hat Enterprise Linux Non Factory In:	stall, x64,Reqs Lic ⋐ Selection		421-4727	1	\$0.00	17	\$0.00	
Red Hat Enterprise Linux,1-2SKT,3yr Prer	nium Subscription,1 Virtual Guest		421-5721	1	\$3,702	17		\$62,934.
OFTWARE COMPONENTS					s	ubtotal		\$188,496.0
otal arge Purchase Discount (35%)*							\$427,772.96 -149,720.54	\$227,708.0 -79,697.
cing: 1 = Dell		Three-	Year Co	st of	Owne	ship		426,0
	s where Key = 1. Discount based				HSph@	-		9. 9
on total system cost as purchased by a regular customer.					HSph@			5,871.
Audited by Doug	lohnson, InfoSizing			Ψ1			. φ+t	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

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.

v2.0.3	TPCx-HS			
v2.3.0	TPC Pricing	Edge R6415	<b>Dell Power</b>	DØLLEMC
Nov. 16, 2018	Report Date			
		Quantities	Numerical	
		Run – Run 2	Performance	
	1TB		e Factor	Scale
		2018-09-26 16:31:51 2018-09-26 16:38:25	Start Time End Time	
	6.000		Elapsed Time	
	2.000	2018-09-26 16:33:22 2018-09-26 16:33:22	en Start Time en End Time	HSG
		2018-09-26 16:37:45	en Elapsed Time ort Start Time	HSS
	5.000 9.533	2018-09-26 16:37:45 260	ort End Time ort Elapsed Time	
		2018-09-26 16:38:25 2018-09-26 16:38:25	alidate Start Time alidate End Time	HSVa
	0.403	50	alidate Elapsed Time	1376
	1TB		Repeatability	Scale
	ПD			
		2018-09-26 16:24:13 2018-09-26 16:30:46	Start Time End Time Elapsod Time	Run I
	0.000	390	Elapsed Time	Kunn
		2018-09-26 16:25:42 2018-09-26 16:25:42 89	en Start Time en End Time en Elapsed Time	HSG
	.000	2018-09-26 16:30:04	ort Start Time	HSS
	.000 ).533	2018-09-26 16:30:04 260	ort End Time ort Elapsed Time	
		2018-09-26 16:30:46 2018-09-26 16:30:46 39	alidate Start Time alidate End Time alidate Elapsed Time	HSVa

D&LLEMC			TPCx-HS	v2
	C Dell	PowerEdge R6415	TPC Pricing	V2
			Report Date	Nov. 16, 2
		Run Reports		
Run Re ======	port for Perforr	mance Run – Run 2		
TPCx-H	IS Performance	e Metric (HSph@SF) Report		
Test Ru	ın 2 Details	Total Time =	39	
		Total Size = Scale-Factor =	100000000	0 1
			0.000	
IPCX-H	IS Performance	e Metric (HSph@SF):	9.090	9
======				•
Run Re	port for Repea	tability Run – Run 1		
====== TPCx-H	IS Performance	e Metric (HSph@SF) Report		=
Test Ru	in 1 Details	Total Time =	39	5
		Total Size = Scale-Factor =	100000000	0
				-
TPCx-H	IS Performance	e Metric (HSph@SF):	9.115	57
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	Dell Po	werEdge R6415		v2.0.3 v2.3.0 Nov. 16, 2018	
			Report Date	1000. 10, 2010	
	Re	evision History			
Date	Edition	Description			
October 9, 2018 November 16, 20	First 018 Second	Initial Publication Corrected Cloudera line item Unit Price. Corrected total number of storage devices.			