EXECUTIVE SUMMARY Page 1 of 5

						TPCx-AI	1.0.2	
D ELLEMO		Powe	rEdge	R66	25	TPC Pricing	2.8.0	
						Report Date N	ov. 10, 2022	
TPCx-Al Performand	ce Tota	tal System Cost Price/Perform		formance	Availability Date			
972.07 AIUCpm@300	\$3	\$317.98 USD/AIUCpm@300			February 22, 2023			
Framework	Оре	erating Syste	em	Other S	oftware	Scale Factor	Streams	
Cloudera SEL Data Platform Private Clou Base Edition	RAN	Hat Enterpo	rise	N	/A	300	6	
Use Case Time (sec.) by P	hase	■ Train	ing <mark>=</mark> Se	rving 1 ■ Serv	ing 2 ■Throughp	ut (Avg)	
10								
9								
8								
7								
6								
5								
4								
3								
2								
1								
0 10,000	20,0	00 30,0	000 40,	000	50,000	60,000	70,000	
Physical Storage / Sca	Physical Storage / Scale Factor Scale Factor / Physical Memory Main D			Main Da	ata Redundancy	Model		
262.40		0.11			Replication 3, RAID 1			
Servers: Total Processors/Cores	/Threads	4 8 / 256 / 512	2					
Server Type 1x PowerEdge R6625 (Primary)					PowerEdge R6	,		
						354 32-Core Proce	essor GHz	
•	384 GiB 1x PERC H96	:5i			GiB PERC H965i			
Storage Controller 1x PERC H965i Storage Device 2x 240 GR M 2 SSD: 2x 3 84 TR NW				1x PERC H965i VMe 2x 240 GB M.2 SSD; 6x 3.84 TB NVMe				
Storage Device				2x '	24() GB M 2 SS	SD: 6x 3 84 TR NV	/Me	
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PowerEdge R6625

TPCx-AI 1.0.2
TPC Pricing 2.8.0
Report Date Nov. 10, 2022

Description	Part Number	Source	List Price	Qty E	xtended Price 1-Yr. Maintenance
Hardware					
PowerEdge R6625 Server - Primary Node	210-ATCF	1	\$67,602.00	1	\$67,602.00
2.5 Chassis	379-BDTF	1	0	1	
NVMe Backplane	379-BDSX	1	0	1	
Trusted Platform Module 2.0 V3	461-AAIG	1	0	1	
C03-03: 8x U.2 G4 RAID - Low Z (FPERC 12)	321-BIIN	1	0	1	
MOD,PRC,9354,2.7,GOA,32C,XXX,QB	338-CGMZ	1	0	1	
MOD,PRC,9354,2.7,GOA,32C,XXX,QB	338-CGMZ	1	0	1	
Performance Optimized	370-AAIP	1	0	1	
4800MT/s RDIMMs	370-AHCL	1	0	1	
16GB RDIMM, 4800MT/s Single Rank	370-AGZO	1	0	24	
C31, No RAID with NVMe and front PERC	379-BEGI	1	0	1	
PERC H965i with floating brackets for lowz	405-ABDN	1	0	1	
Front PERC Mechanical Parts, rear load	750-ACFQ	1	0	1	
No Hard Drive	400-ABHL	1	0	1	
3.84TB Enterprise NVMe Read Intensive AG Drive U.2 Gen4	wit 400-BKGL	1	0	2	
Performance BIOS Settings	384-BBBL	1	0	1	
UEFI BIOS Boot Mode with GPTPartition	800-BBDM	1	0	1	
High Performance Fan for CPUgreater than or equal to 180'	W(2 750-ADJI	1	0	1	
Dual, Hot-plug, Fully Redundant Power Supply (1+1), 1400	W, №450-AIQX	1	0	2	
Power Cord - C13, 3M, 125V, 15A (North America, Guam, North 450-AALV		1	0	1	
Riser Config 2, 1 x 16 LP PCIe slot (CPU1), 2 x 16 LP PCIeslot	(CP 330-BBNR	1	0	1	
PowerEdge R6625 Motherboard	384-BCWP	1	0	1	
Broadcom 5720 Dual Port 1GbE Optional LOM	540-BDKD	1	0	1	
Mellanox Technologies MT27710 Family [ConnectX-4 Lx], 2	25 G 540-BBVV	1	0	1	
iDRAC9,Enterprise 15G	385-BBOT	1	0	1	
Dell EMC Luggage Tag (x8 or x10 chassis)	350-BBXP	1	0	1	
Standard Bezel	325-BCHH	1	0	1	
No Quick Sync	350-BBXM	1	0	1	
iDRAC, Factory Generated Password	379-BCSF	1	0	1	
Red Hat Enterprise Linux 8.6 (Ootpa), kernel 4.18.0-372.9.1	.el8 605-BBFL	1	0	1	
ReadyRails Sliding Rails Without Cable Management Arm of	or St 770-BECD	1	0	1	
Cable Management Arm	770-BDMT	1	0	1	
BOSS-S2 controller card + with 2 M.2 240GB (RAID 1)	403-BCMG	1	0	1	
No Systems Documentation, NoOpenManage DVD Kit	631-AACK	1	0	1	
PowerEdge R6625 Shipping Material 4	340-COXQ	1	0	1	
PowerEdge R6625 CCC Marking, No CE Marking	389-DTIQ	1	0	1	
US Order	332-1286	1	0	1	
Dell Hardware Limited Warranty Plus On-Site Service	828-3901	1	\$200.00	1	\$200.00
ProSupport Mission Critical:4-Hour 7x24 On-Site Service wit	h En 828-3855	1	\$940.00	1	\$940.00
ProSupport Mission Critical:7x24 HW / SW Technical Support	t an (828-3847	1	\$1,816.00	1	\$1,816.00

(continued on the next page)

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PowerEdge R6625

TPCx-AI 1.0.2 **TPC** Pricing 2.8.0

Report Date Nov. 10, 2022

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1	(continued from the pr	revious page)				
Description	Part Number	Source L	List Price C	Qty E	xtended Price 1-Y	r. Maintenance
PowerEdge R6625 Server - Worker Nodes	210-ATCF	1 5	\$103,571.00	3	\$310,713.00	
2.5 Chassis	379-BDTF	1	0	3		
NVMe Backplane	379-BDSX	1	0	3		
Trusted Platform Module 2.0 V3	461-AAIG	1	0	3		
C03-03: 8x U.2 G4 RAID - Low Z (FPERC 12)	321-BIIN	1	0	3		
MOD,PRC,9354,2.7,GOA,32C,XXX,QB	338-CGMZ	1	0	3		
MOD,PRC,9354,2.7,GOA,32C,XXX,QB	338-CGMZ	1	0	3		
Performance Optimized	370-AAIP	1	0	3		
4800MT/s RDIMMs	370-AHCL	1	0	3		
32GB RDIMM, 4800MT/s Dual Rank	370-AGZP	1	0	72		
C31, No RAID with NVMe and front PERC	379-BEGI	1	0	3		
PERC H965i with floating brackets for lowz	405-ABDN	1	0	3		
Front PERC Mechanical Parts, rear load	750-ACFQ	1	0	3		
No Hard Drive	400-ABHL	1	0	3		
3.84TB Enterprise NVMe Read Intensive AG		1	0	18		
Performance BIOS Settings	384-BBBL	1	0	3		
UEFI BIOS Boot Mode with GPTPartition	800-BBDM	1	0	3		
High Performance Fan for CPUgreater than		1	0	3		
Dual, Hot-plug, Fully Redundant Power Sup		1	0	3		
Power Cord - C13, 3M, 125V, 15A (North Am		1	0	6		
		1	0	3		
Riser Config 2, 1 x 16 LP PCIe slot (CPU1), 2 x		_	_	3		
PowerEdge R6625 Motherboard	384-BCWP	1	0			
Broadcom 5720 Dual Port 1GbE Optional LOI		1	0	3		
Mellanox Technologies MT27710 Family [Co	•	1	0	3		
iDRAC9,Enterprise 15G	385-BBOT	1	0	3		
Dell EMC Luggage Tag (x8 or x10 chassis)	350-BBXP	1	0	3		
Standard Bezel	325-BCHH	1	0	3		
No Quick Sync	350-BBXM	1	0	3		
iDRAC,Factory Generated Password	379-BCSF	1	0	3		
Red Hat Enterprise Linux 8.6 (Ootpa), kerne		1	0	3		
ReadyRails Sliding Rails Without Cable Man		1	0	3		
Cable Management Arm	770-BDMT	1	0	3		
BOSS-S2 controller card + with 2 M.2 240GB	(RAID 1) 403-BCMG	1	0	3		
No Systems Documentation, NoOpenManag	ge DVD Kit 631-AACK	1	0	3		
PowerEdge R6625 Shipping Material 4	340-COXQ	1	0	3		
PowerEdge R6625 CCC Marking, No CE Mark	ing 389-DTIQ	1	0	3		
US Order	332-1286	1	0	3		
Dell Hardware Limited Warranty Plus On-Site	Service 828-3901	1	\$200.00	3		\$600.00
ProSupport Mission Critical:4-Hour 7x24 On-S	ite Service with En 828-3855	1	\$940.00	3		\$2,820.00
ProSupport Mission Critical:7x24 HW / SW Te	chnical Support and 828-3847	1	\$1,816.00	3		\$5,448.00
Keyboard and Optical Mouse, USB, Black, Eng	lish 570-AAKV, 580-ADJC	1	\$12.00	1	\$12.00	
Dell 24 Monitor	210-AIWG	1	\$169.99	1	\$169.99	
Mellanox MSN2410-CB2F 25GbE/100GbE Swit	ch 920-9N112-00F7-0X2	2	\$14,242.00	1	\$14,242.00	
NVIDIA ENT Business Critical Support Service	s for SN2000 - 12 M 780-C20N0Z +P2CMI12	2	\$1,140.00	1		\$1,140.00
				ubtotal	\$392,738.99	\$12,964.00
Software						
Cloudera SEL Data Platform Private Cloud Bas	e Edition Annual S-AB352445	1	\$15,384.62	. 4		\$61,538.48
			S	ubtotal	\$0.00	\$61,538.48
Large Purchase Discount (35%)*					-\$132,473.95	-\$25,676.87

Total System Cost (USD): * Discount applies to all line items where Key = 1. Discount based upon total system cost as purchased by a regular customer.

AIUCpm@300: 972.07

\$/AIUCpm@300:

\$317.98

\$309,091

Audited by Doug Johnson, 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.

Pricing: 1 = Dell; 2 = Nvidia

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PowerEdge R6625

TPCx-AI 1.0.2
TPC Pricing 2.8.0
Report Date Nov. 10, 2022

Numerical Quantities

AIUCpm@300	972.07	T_Load	607.47
Scale Factor	300	T_LD	607.47
Streams	6	T_{PTT}	657.72
		T_{PST1}	53.79
Kit Version	1.0.2	T_{PST2}	53.47
Execution Status	Pass	T_{PST}	53.79
Accuracy Status	Pass	T_TT	54.70

Test Times

Test Times	
Overall Run Start Time	2022-10-30 22:34:44.957
Overall Run End Time	2022-10-31 22:40:05.160
Overall Run Elapsed Time	86,720.203
Load Test Start Time	2022-10-30 22:54:34.570
Load Test Start Time Load Test End Time	2022-10-30 22:34:34.092
Load Test Elapsed Time	609.522
Load Test Elapsed Time	000.022
Power Training Start Time	2022-10-30 23:04:44.093
Power Training End Time	2022-10-31 21:01:30.458
Power Training Elapsed Time	79,006.365
Power Serving 1 Start Time	2022-10-31 21:01:30.459
Power Serving 1 End Time	2022-10-31 21:18:41.324
Power Serving 1 Elapsed Time	1,030.865
Power Serving 2 Start Time	2022-10-31 21:18:41.325
Power Serving 2 End Time	2022-10-31 21:35:59.832
Power Serving 2 Elapsed Time	1,038.507
Scoring Start Time	2022-10-31 21:40:00.781
Scoring End Time	2022-10-31-21:45:12.338
Scoring Elapsed Time	311.557
Cooming Endpood Time	011.007
Throughput Start Time	2022-10-31 21:45:12.342
Throughput End Time	2022-10-31 22:40:05.159
Throughput Elapsed Time	3,292.817

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PowerEdge R6625

TPCx-AI 1.0.2 TPC Pricing 2.8.0

Report Date Nov. 10, 2022 Numerical Quantities (continued) Use Case Times & Accuracy Use Case Training (sec) Serving 1 (sec) Serving 2 (sec) Throughput (avg) Accuracy UC01 456.989 45.045 46.162 56.930 0.000 UC02 57,955.108 101.124 103.028 171.167 0.154 22.418 UC03 4.389 90.870 17.251 17.079 UC04 40.589 24.092 23.203 27.492 0.705 UC05 8,836.639 131.566 271.719 129.379 0.023 UC06 174.807 23.509 23,450 55.848 0.216 UC07 30.085 15.115 21.101 1.429 15.968 UC08 4,143.933 172.495 175.113 239.194 0.759 UC09 7,154.498 464.190 466.875 845.173 1.000 112.558 UC10 27.563 26.602 68.054 0.816 Use Case Serving Times (sec.) ■ Serving 1 ■ Serving 2 ■ Throughput (Avg) 900 800 700 600 500 400 300 200 100 2 5 7 8 9 10 3 4 6