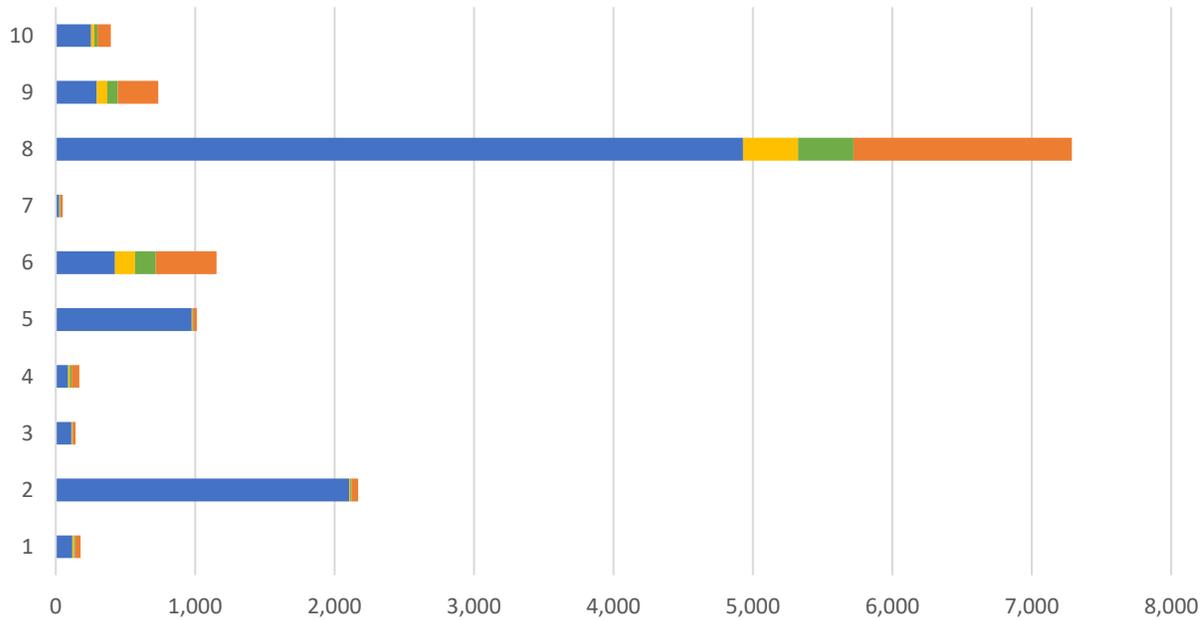


		<h2 style="text-align: center;">Dell PowerEdge R7615</h2>		TPCx-AI 1.0.2 TPC Pricing 2.8.0 Report Date Nov. 10, 2022																																																							
TPCx-AI Performance 425.31 AIUCpm@10	Total System Cost \$48,412 USD	Price/Performance \$113.83 USD/AIUCpm@10	Availability Date February 22, 2023																																																								
Framework Anaconda3 4.12.0	Operating System Red Hat Enterprise Linux 8.6	Other Software N/A	Scale Factor 10	Streams 100																																																							
<h3 style="text-align: center;">Use Case Time (sec.) by Phase</h3> <div style="text-align: right; margin-bottom: 5px;"> ■ Training ■ Serving 1 ■ Serving 2 ■ Throughput (Avg) </div>  <table border="1" style="display: none;"> <caption>Approximate Use Case Time (sec.) by Phase</caption> <thead> <tr> <th>Case</th> <th>Training (sec.)</th> <th>Serving 1 (sec.)</th> <th>Serving 2 (sec.)</th> <th>Throughput (Avg) (sec.)</th> </tr> </thead> <tbody> <tr><td>1</td><td>100</td><td>50</td><td>0</td><td>50</td></tr> <tr><td>2</td><td>2100</td><td>50</td><td>0</td><td>50</td></tr> <tr><td>3</td><td>100</td><td>50</td><td>0</td><td>50</td></tr> <tr><td>4</td><td>100</td><td>50</td><td>0</td><td>50</td></tr> <tr><td>5</td><td>1000</td><td>50</td><td>0</td><td>50</td></tr> <tr><td>6</td><td>400</td><td>100</td><td>100</td><td>400</td></tr> <tr><td>7</td><td>50</td><td>0</td><td>0</td><td>50</td></tr> <tr><td>8</td><td>5000</td><td>300</td><td>200</td><td>1500</td></tr> <tr><td>9</td><td>200</td><td>50</td><td>50</td><td>300</td></tr> <tr><td>10</td><td>100</td><td>50</td><td>0</td><td>50</td></tr> </tbody> </table>					Case	Training (sec.)	Serving 1 (sec.)	Serving 2 (sec.)	Throughput (Avg) (sec.)	1	100	50	0	50	2	2100	50	0	50	3	100	50	0	50	4	100	50	0	50	5	1000	50	0	50	6	400	100	100	400	7	50	0	0	50	8	5000	300	200	1500	9	200	50	50	300	10	100	50	0	50
Case	Training (sec.)	Serving 1 (sec.)	Serving 2 (sec.)	Throughput (Avg) (sec.)																																																							
1	100	50	0	50																																																							
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6	400	100	100	400																																																							
7	50	0	0	50																																																							
8	5000	300	200	1500																																																							
9	200	50	50	300																																																							
10	100	50	0	50																																																							
Physical Storage / Scale Factor 1,200.00		Scale Factor / Physical Memory 0.03		Main Data Redundancy Model RAID 5																																																							
Servers: Total Processors/Cores/Threads		1 1 / 32 / 64																																																									
Server Type	1x PowerEdge R7615 (Server)																																																										
Processors	1x AMD EPYC 9374F 32-Core Processor																																																										
Memory	384 GiB																																																										
Storage Controller	2x PERC H755N 12G SAS																																																										
Storage Device	2x 240 GB M.2 SATA; 3x 3.84 TB NVMe																																																										
Network Controller	1x Broadcom NetXtreme Gigabit Ethernet 2-port																																																										

		<h1 style="margin: 0;">Dell PowerEdge R7615</h1>			TPCx-AI 1.0.2 TPC Pricing 2.8.0 Report Date Nov. 10, 2022	
Description	Part Number	Source	List Price	Qty	Extended Price	1-Yr. Maintenance
Hardware						
PowerEdge R7615 Server	210-BFVW	1	\$56,625.00	1	\$56,625.00	
2.5 Chassis	379-BDTF	1	0	1		
NVMe Backplane	379-BDSX	1	0	1		
Trusted Platform Module 2.0V3	461-AAIM	1	0	1		
C3-3 8x U.2 G4 RAID	321-BIFE	1	0	1		
AMD EPYC 9374F 3.85GHz, 32C/64T, 256M Cache (320W) DDR5-4338-CGXD	412-AASE	1	0	1		
Standard Heatsink	370-AAIP	1	0	1		
Performance Optimized	370-AHCL	1	0	1		
4800MT/s RDIMMs	370-AGZP	1	0	12		
32GB RDIMM, 4800MT/s Dual Rank	780-BCDS	1	0	1		
Unconfigured RAID	405-AAZE	1	0	2		
PERC H755N Front	400-BMTN	1	0	3		
3.84TB Data Center NVMe ReadIntensive AG Drive U2 Gen4 with	384-BBBL	1	0	1		
Performance BIOS Settings	750-AAWT	1	0	1		
High Performance Fan	450-AJHG	1	0	1		
Dual, Hot-Plug, Power Supply Redundant (1+1), 1400W, Mixed	492-BBDV	1	0	2		
Jumper Cord - C13/C14, 4M, 250V, 12A (North America, Guam, India)	330-BBNL	1	0	1		
Riser Config 2, 2 x 16 FH + 2 x 16 LP PCIe slot	540-BDKD	1	0	1		
Broadcom 5720 Dual Port 1GbE Optional LOM	329-BHOH	1	0	1		
PowerEdge R7615 Motherboard	403-BCMG	1	0	1		
BOSS-S2 controller card + with 2 M.2 240GB (RAID 1)	385-BBOT	1	0	1		
iDRAC9, Enterprise 15G	350-BBWP	1	0	1		
PowerEdge 2U Standard Bezel	570-AAKV, 580-ADJIC	1	0	1		
Keyboard and Optical Mouse, USB, Black, English	350-BBKU	1	0	1		
No Quick Sync	379-BCSG	1	0	1		
iDRAC, Legacy Password	379-BCQV	1	0	1		
iDRAC Group Manager, Enabled	605-BBFL	1	0	1		
Red Hat Enterprise Linux 8.6 (Ootpa), kernel 4.18.0-372.9.1.el8	605-BBFN	1	0	1		
No Media Required	770-BBBQ	1	0	1		
ReadyRails Sliding Rails	429-AAIQ	1	0	1		
No Internal Optical Drive	631-AACK	1	0	1		
No Systems Documentation, No OpenManage DVD Kit	340-CMZG	1	0	1		
PowerEdge R7615 Shipping	340-CODN	1	0	1		
PowerEdge R7615 Ship Material	343-BBPP	1	0	1		
PowerEdge R7615 No CE or CCC Marking	332-1286	1	0	1		
US Order	828-3901	1	200	1		\$200.00
Dell Hardware Limited Warranty Plus On-Site Service	828-3855	1	1383	1		\$1,383.00
ProSupport Mission Critical: 4-Hour 7x24 On-Site Service with Enhanced	828-3847	1	717	1		\$717.00
ProSupport Mission Critical: 7x24 HW / SW Technical Support and						
Dell 24 Monitor	210-AIWG	1	169.99	1	\$169.99	
				Subtotal	\$56,794.99	\$2,300.00
Software						
Anaconda Pro 1 Subscription (1 year)		2	\$10,000.00	1		\$10,000.00
				Subtotal	\$0.00	\$10,000.00
Large Purchase Discount (35%)*					-\$19,878.25	-\$805.00
				Total	\$36,916.74	\$11,495.00
Pricing: 1 = Dell; 2 = Anaconda * Discount applies to all line items where Source = 1. Discount based upon total system cost as purchased by a regular customer.		Total System Cost (USD): \$48,412 AIUCpm@10: 425.31 \$/AIUCpm@10: \$113.83				
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.						

	<h1>Dell PowerEdge R7615</h1>		TPCx-AI	1.0.2
			TPC Pricing	2.8.0
			Report Date	Nov. 10, 2022
<u>Numerical Quantities</u>				
AIUCpm@10	425.31	T_{Load}		2.29
Scale Factor	10	T_{LD}		2.29
Streams	100	T_{PTT}		316.80
		T_{PST1}		19.75
Kit Version	1.0.2	T_{PST2}		19.89
Execution Status	Pass	T_{PST}		19.89
Accuracy Status	Pass	T_{TT}		2.74
Test Times				
Overall Run Start Time		2022-10-21 14:38:51.192		
Overall Run End Time		2022-10-21 18:27:53.971		
Overall Run Elapsed Time				13,742.779
Load Test Start Time		2022-10-21 14:40:48.611		
Load Test End Time		2022-10-21 14:40:50.917		
Load Test Elapsed Time				2.306
Power Training Start Time		2022-10-21 14:40:50.920		
Power Training End Time		2022-10-21 17:16:19.654		
Power Training Elapsed Time				9,328.734
Power Serving 1 Start Time		2022-10-21 17:16:19.657		
Power Serving 1 End Time		2022-10-21 17:27:43.130		
Power Serving 1 Elapsed Time				683.473
Power Serving 2 Start Time		2022-10-21 17:27:43.134		
Power Serving 2 End Time		2022-10-21 17:39:10.814		
Power Serving 2 Elapsed Time				687.680
Scoring Start Time		2022-10-21 17:39:47.609		
Scoring End Time		2022-10-21 17:42:05.874		
Scoring Elapsed Time				138.265
Throughput Start Time		2022-10-21 17:42:05.897		
Throughput End Time		2022-10-21 18:27:53.968		
Throughput Elapsed Time				2,748.071



Dell PowerEdge R7615

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	119.995	10.025	10.043	38.876	0.000
UC02	2,104.383	8.949	8.920	46.158	0.310
UC03	113.122	4.405	4.390	19.191	3.630
UC04	89.595	12.050	12.288	54.546	0.707
UC05	974.454	4.489	4.622	27.744	0.025
UC06	424.760	144.016	148.551	435.285	0.548
UC07	26.145	4.254	4.275	16.123	1.033
UC08	4,928.427	396.486	396.099	1,565.763	0.740
UC09	294.112	75.706	75.508	290.712	1.000
UC10	253.635	22.987	22.881	96.265	0.816

Use Case Serving Times (sec.)

