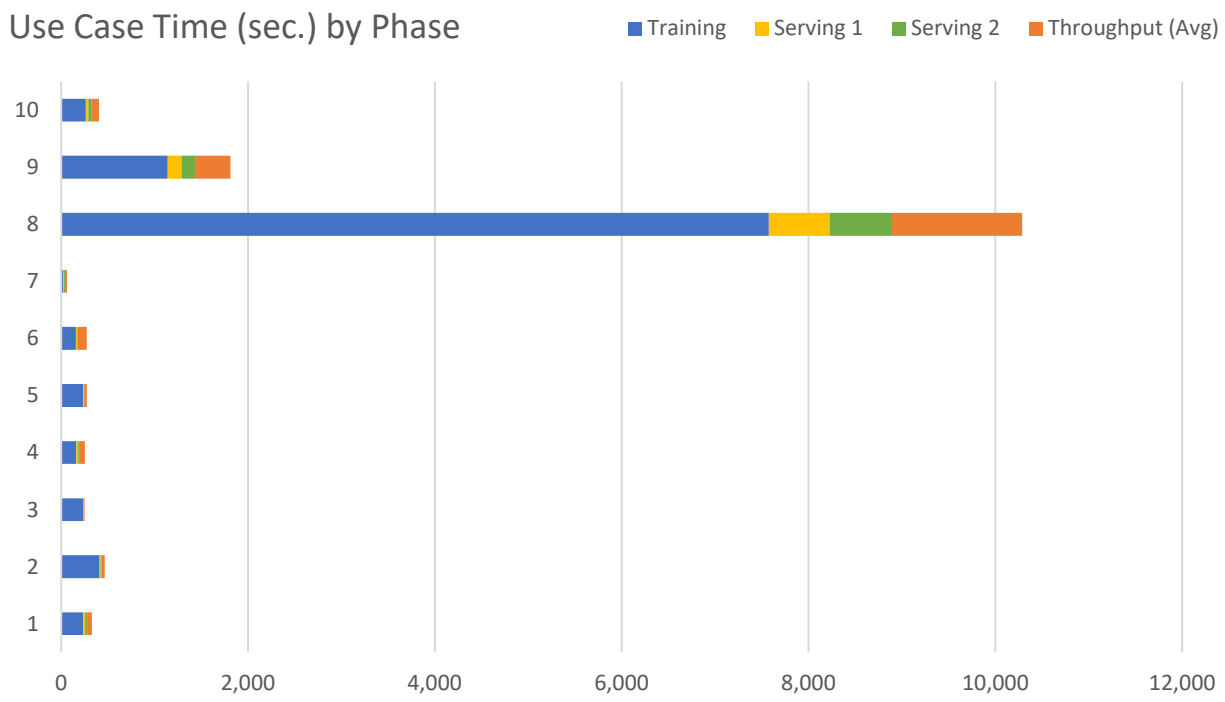
PowerEdge R6725

TPCx-AI	2.0.0
TPC Pricing	2.9.0
Report Date	Oct. 10, 2024

TPCx-AI Performance	Total System Cost	Price/Performance	Availability Date
1,115.54 AIUCpm@30	**$140,934 USD**	**$126.34 USD/AIUCpm@30**	**November 9, 2024**

Framework	Operating System	Other Software	Scale Factor	Streams
Anaconda Business	Red Hat Enterprise Linux 8.10 (Ootpa)	N/A	30	100



Physical Storage / Scale Factor	Scale Factor / Physical Memory	Main Data Redundancy Model
32.00	0.02	RAID-1

Servers: Total Processors/Cores/Threads	1 2 / 64 / 128

Server Type	1x PowerEdge R6725 (Server)
Processors	2x AMD EPYC 9355 32-Core Processor
Memory	1,536 GiB
Storage Controller	1x BOSS-N1
Storage Device	2x 480 GB M.2 NVMe
Network Controller	1x Broadcom 57504 Quad Port 10/25GbE

DELL EMC

PowerEdge R6725

TPCx-AI	2.0.0
TPC Pricing	2.9.0
Report Date	Oct. 10, 2024

Description	Part Number	Source	List Price	Qty	Extended Price	1-Yr. Maintenance
Hardware						
PowerEdge R6725 Server	210-BNNF	1	$148,802.14	1	$148,802.14	
High Performance Computing Cluster Information SKU	463-7922	1	0	1		
No Backplane	379-BDSY	1	0	1		
No Backplane	379-BDSV	1	0	1		
No Rear Storage	379-BDTE	1	0	1		
Trusted Platform Module 2.0 V3	461-AAIG	1	0	1		
No HD, No Backplane	321-BIGG	1	0	1		
AMD EPYC 9355 3.40GHz, 32C/64T, 256 Cache (280W) DDR5-6000	338-CRCD	1	0	2		
Additional Processor Selected	379-BDCO	1	0	1		
Heatsink for 2 CPU configuration	412-ABEE	1	0	1		
Performance Optimized	370-AHLL	1	0	1		
6400MT/s RDIMMs	370-BCCX	1	0	1		
64GB RDIMM, 6400MT/s, Dual Rank	370-BCCZ	1	0	24		
Diskless Configuration (No RAID, No Controller)	780-BCDH	1	0	1		
No Controller	405-AACD	1	0	1		
No Hard Drive	400-ABHL	1	0	1		
Performance BIOS Settings	384-BBBL	1	0	1		
No Energy Star	387-BBEY	1	0	1		
UEFI BIOS Boot Mode with GPTPartition	800-BBDM	1	0	1		
High Performance Fan x4	384-BDHQ	1	0	1		
Dual, Redundant (1+1),Hot-Plug MHS Power Supply, 1500W MM, Titanium	450-BCXC	1	0	1		
CORD,PWR,250V,13A,C15/14,NA,2M	450-AMKV	1	0	2		
Riser Config 2, 3 x16 LP (2xGen5)	330-BCCT	1	0	1		
PowerEdge R6725 Motherboard	329-BKMV	1	0	1		
Broadcom 57504 Quad Port 10/25GbE,SFP28, OCP NIC 3.0	540-BCRX	1	0	1		
Broadcom 5720 Dual Port 1GbELOM	540-BDKD	1	0	1		
No Bezel	350-BBBW	1	0	1		
TRAY,W/LBLS,X8/X10,R6725	321-BIGJ	1	0	1		
BOSS-N1 controller card + with 2 M.2 480GB (RAID 1) (22x80)	403-BDMM	1	0	1		
No Operating System, No Utility Partition, BOSS	611-BBBX	1	0	1		
No Media Required	605-BBFN	1	0	1		
iDRAC10, Enterprise 17G	634-CSHV	1	0	1		
Secured Component Verification	528-COYT	1	0	1		
No Quick Sync	350-BBXM	1	0	1		
iDRAC,Legacy Password	379-BCSG	1	0	1		
iDRAC Service Module (ISM), NOT Installed	379-BCQX	1	0	1		
iDRAC Group Manager, Disabled	379-BCQY	1	0	1		
ReadyRails Sliding Rails Without Cable Management Arm or Strain Relief Bar	770-BECD	1	0	1		
No Systems Documentation, NoOpenManage DVD Kit	631-AACK	1	0	1		
PowerEdge R6725 Shipping	340-DDEC	1	0	1		
PowerEdge R6725 Shipping Material 8	340-DDBZ	1	0	1		
PowerEdge R6725 No CCC or CEMarking	470-AFOY	1	0	1		
None Required	817-BBBP	1	0	1		
Thank you choosing Dell ProSupport. For tech support, visit //www.dell.com/support or call 1-800- 945-3355	989-3439	1	0	1		
Dell Hardware Limited Warranty Plus On-Site Service	887-0748		$249.00	1		$249.00
3Yr ProSupport and 4hr Mission Critical - 3 Years	199-BONO		$6,373.67	1		$6,373.67
Dell 24 Monitor – S2425H	210-BMGX	1	$99.99	1	$99.99	
Keyboard/Mouse (Included with Server)	N/A	1	0	1		
				Subtotal	$148,902.13	$6,622.67

(continued on the next page)

DELL EMC	PowerEdge R6725	TPCx-AI	2.0.0
		TPC Pricing	2.9.0
		Report Date	Oct. 10, 2024

(continued from the previous page)

Software						
Anaconda Business, 85 users	N/A	2	$51,000.00	1	$51,000.00	
Anaconda Business Premium Support, including 24x7 support	N/A	2	$35,000.00	1		$35,000.00
Red Hat Enterprise Linux,2SKT,1 Physical OR 2Guest,1Yr PREMIUM SUB,No Media,CUS	528-BHPJ	1	$1,428.90	1	$1,428.90	
				Subtotal	$52,428.90	$35,000.00
				Total	$201,331.03	$41,622.67
Large Purchase Discount (65%)*					-$97,715.17	-$4,304.74

Pricing: 1 = Dell; 2 = Anaconda

* Discount applies to all line items where Key = 1. Discount based upon total system cost as purchased by a regular customer.

Audited by Doug Johnson, InfoSizing

Total System Cost (USD):	**$140,934**
AIUCpm@30:	**1,115.54**
$/AIUCpm@30:	**$126.34**

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.

DELL EMC	PowerEdge R6725	TPCx-AI	2.0.0
		TPC Pricing	2.9.0
		Report Date	Oct. 10, 2024

Numerical Quantities

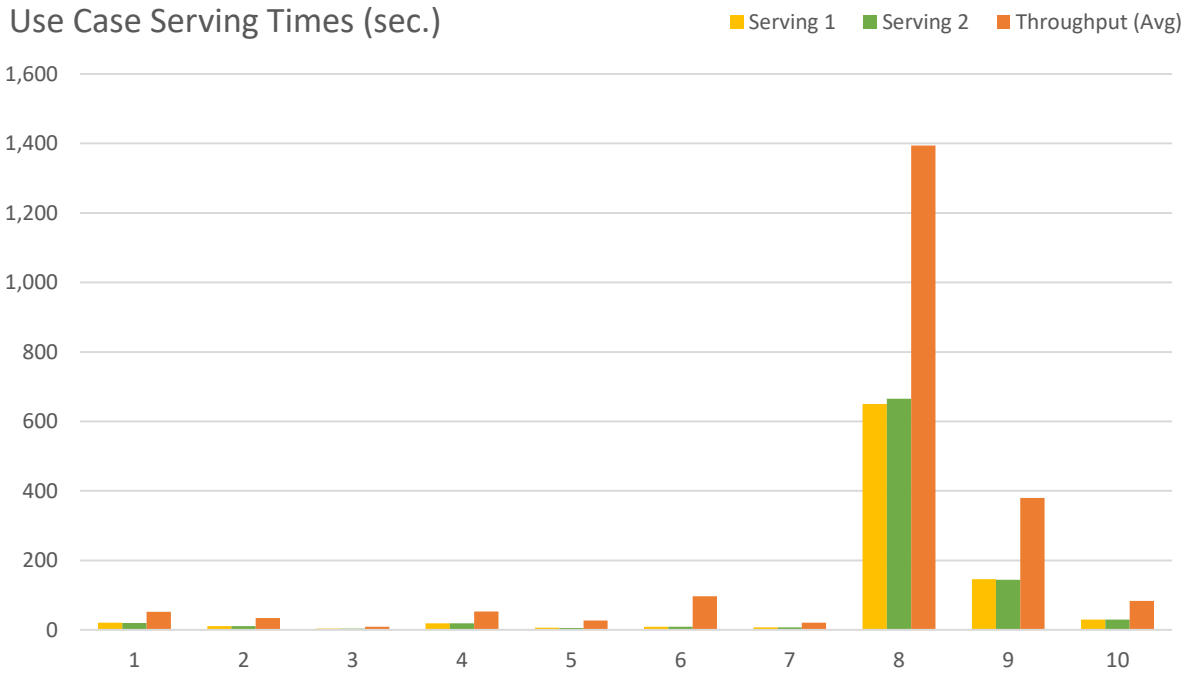
AIUCpm@30	**1,115.54**	T_{Load}	4.50
Scale Factor	30	T_{LD}	4.50
Streams	100	T_{PTT}	310.45
		T_{PST1}	20.75
Kit Version	2.0.0	T_{PST2}	20.71
Execution Status	Pass	T_{PST}	20.75
Accuracy Status	Pass	T_{TT}	2.34

Test Times

Overall Run Start Time	2024-09-24 18:48:34.282
Overall Run End Time	2024-09-24 22:58:26.260
Overall Run Elapsed Time	14,991.978
Load Test Start Time	2024-09-24 18:52:31.579
Load Test End Time	2024-09-24 18:52:36.092
Load Test Elapsed Time	4.513
Power Training Start Time	2024-09-24 18:52:36.093
Power Training End Time	2024-09-24 21:46:48.399
Power Training Elapsed Time	10,452.306
Power Serving 1 Start Time	2024-09-24 21:46:48.401
Power Serving 1 End Time	2024-09-24 22:01:49.804
Power Serving 1 Elapsed Time	901.403
Power Serving 2 Start Time	2024-09-24 22:01:49.806
Power Serving 2 End Time	2024-09-24 22:17:04.035
Power Serving 2 Elapsed Time	914.229
Scoring Start Time	2024-09-24 22:17:45.031
Scoring End Time	2024-09-24 22:19:22.651
Scoring Elapsed Time	97.620
Throughput Start Time	2024-09-24 22:19:22.664
Throughput End Time	2024-09-24 22:58:26.255
Throughput Elapsed Time	2,343.591

DELL EMC	PowerEdge R6725	TPCx-AI	2.0.0
		TPC Pricing	2.9.0
		Report Date	Oct. 10, 2024

Numerical Quantities (continued)

Use Case Times & Accuracy

Use Case	Training (sec)	Serving 1 (sec)	Serving 2 (sec)	Throughput (avg)	Accuracy
UC01	238.819	20.249	20.181	51.833	0.000
UC02	410.288	10.846	10.838	34.377	0.445
UC03	236.639	3.203	3.246	8.873	3.553
UC04	162.736	18.751	18.613	53.225	0.706
UC05	236.712	5.886	5.753	27.051	0.036
UC06	159.143	8.936	8.936	96.813	0.624
UC07	25.692	7.528	7.467	20.257	1.002
UC08	7,577.223	650.287	665.046	1,394.051	0.754
UC09	1,141.745	145.657	144.166	380.100	1.000
UC10	263.225	29.968	29.897	82.927	0.817