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						TPCx-AI	1.0.2
Hewlett Packar	d Pr	ProLiant DL380a Gen11				TPC Pricing	
Enterprise						Report Date Ju	ın. 12, 2023
TPCx-Al Performance	Tota	al System Cost	Price	Price/Performance		Availability Date	
710.26 AIUCpm@30	\$	\$89,568 USD		\$126.11 /AIUCpm@30		June 12, 2023	
Framework	Оре	erating System	Oth	ner Softwa	re	Scale Factor	Streams
Anaconda Pro	Red	Hat Enterprise Linux 8.6)	N/A		30	100
Use Case Time (se	ec.) by Pl	nase	■ Training	Serving 1	■ Servin	ng 2 ■Throughpu	ıt (Avg)
10							
9							
8							
7							
6							
5							
4							
3							
2							
1							
0 2,000	4,000	6,000 8,000	10,000	12,000	14,000	16,000	18,000
Physical Storage / Scale Factor Scale Factor / Ph 32.00 0.00		-				Model	
Servers: Total Processors/Cores/T	hreads	1 2 / 64 / 128					
		L380a Gen11 (Se	rver)				
••		on(R) Platinum 84	•	z, 32-core)			
Memory 1,	024 GiB						
Storage Controller 12	NS204i-u (Gen11					
Storage Device 2x	480 GB NV	/Me					
Network Controller 1>	Mellanox M	1CX562A-ACAI 10)/25Gb 2-port				

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ProLiant DL380a Gen11

 TPCx-AI
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 Report Date
 Jun. 12, 2023

Description	Part Number	Source	List Price	Qty	Extended Price	1-Yr. Maintenance
Server Hardware						
HPE DL380a Gen11 4DW CTO Svr	P05175-B21	1	\$3,392.00	1		
Intel Xeon-Platinum 8462Y+ 2.8GHz 32-core 300W Processor for HPE	P49603-B21	1	\$14,268.00	2	,,	
HPE 64GB (1x64GB) Dual Rank x4 DDR5-4800 CAS-40-39-39 EC8	P43331-B21	1	\$4,068.00	16	\$65,088.00	
Registered Smart Memory Kit						
HPE Alletra 4120 High Performance Heat Sink Kit	P51832-B21	1	\$175.00	2	\$350.00	
HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	P38997-B21	1	\$685.00	2	\$1,370.00	
HPE MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	P10112-B21	1	\$1,040.00	1	\$1,040.00	
HPE 3 Year Tech Care Essential wDMR DL380a Gen11 HW Service	H38YLE	1	\$22,626.00	1		\$22,626.00
HPE USB US Keyboard/Mouse Kit (incld 2 spares)	631341-B21	1	\$32.00	3	\$96.00	
HPE 42U 600x1200mm Adv G2 Kit Shock Rack	H6J67A	1	\$6,600.00	1	\$6,600.00	
				Subtotal	\$106,472.00	\$22,626.00
Stavaga						
Storage	P48183-B21	1	\$1,994.00	1	\$1,994.00	
HPE NS204i-u Gen11 Ht Plg Boot Opt Dev	P52345-B21	_	\$1,994.00	1		
HPE DL3XX Gen11 Ball Bearing Rail 8 Kit	P52345-B21	1	\$375.00	_	,	ćo o
				Subtotal	\$2,369.00	\$0.00
Other						
HP V22v G5 FHD Monitor (incld 2 spares)	65P56AA#ABA	3	\$129.99	3	\$389.97	
				Subtotal	\$389.97	\$0.00
Software Components						
RHEL Svr Sckt/2 Gst 1yr 24x7 E-LTU	J8J36A	1	\$1,214.00	1	\$1,214.00	
Anaconda Pro Subscription	NA	2	\$10,000.00	1		
Anaconda i to Subscription	NA.	_	910,000.00	Subtotal	\$11,214.00	\$0.00
				Subtotal	311,214.00	30.0 0
			Total Exten	ded Price	\$120,444.97	\$22,626.00
			Total	Discounts	\$48,978.00	\$4,525.00

Pricing: 1 = HPE; 2 = Anaconda;3 = Hewlett Packard Inc.

Total System Cost (USD): \$89,568

AIUCpm@30: 710.26

\$/AIUCpm@30: \$126.11

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.

^{*} All discounts are based on US list prices and for similar quantities and configurations. A discount was based on the overall specific components pricing from vendor 1 in this single quotation. Discounts for similarly sized configurations will be similar to those quoted here, but may vary based on the components in the configuration.

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ProLiant DL380a Gen11

TPCx-AI 1.0.2 TPC Pricing 2.8.0 Report Date Jun. 12, 2023

Numerical Quantities

AIUCpm@30	710.26	T_Load	9.49
Scale Factor	30	T_LD	9.49
Streams	100	T_{PTT}	496.20
		T_{PST1}	27.84
Kit Version	1.0.2	T_{PST2}	27.73
Execution Status	Pass	T_{PST}	27.84
Accuracy Status	Pass	T_TT	3.15

Test Times	
Overall Run Start Time Overall Run End Time Overall Run Elapsed Time	2023-04-20 20:04:47.622 2023-04-21 02:57:40.911 24,773.289
,	·
Load Test Start Time Load Test End Time Load Test Elapsed Time	2023-04-20 20:08:55.591 2023-04-20 20:09:05.099 9.508
Power Training Start Time	2023-04-20 20:09:05.102
Power Training End Time	2023-04-21 01:16:11.142
Power Training Elapsed Time	18,426.040
Power Serving 1 Start Time	2023-04-21 01:16:11.146
Power Serving 1 Flanced Time	2023-04-21 01:39:13.385
Power Serving 1 Elapsed Time	1,382.239
Power Serving 2 Start Time	2023-04-21 01:39:13.388
Power Serving 2 End Time	2023-04-21 02:01:55.162
Power Serving 2 Elapsed Time	1,361.774
Scoring Start Time	2023-04-21 02:02:51.380
Scoring End Time	2023-04-21 02:05:14.805

Throughput Start Time 2023-04-21 02:05:14.825 Throughput End Time 2023-04-21 02:57:40.907

Throughput Elapsed Time 3,146.082

Scoring Elapsed Time

143.425

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 Jun. 12, 2023

Enterprise		Ge	en11	Report Date	Jun. 12, 202
		Numerical Qu	antities (continue	<u>d)</u>	
		Use Case T	imes & Accuracy		
Use Case T	raining (sec) 318.358 2,536.405 331.185 181.401 517.695 192.662 26.672 12,294.705 1,689.276 337.588	Serving 1 (sec) 29.659 12.785 4.051 21.105 9.956 11.106 9.581 1,036.788 209.584 37.524	30.793 12.757 4.246 21.161 9.692 10.083 9.756	Throughput (avg) 83.655 44.657 14.947 83.356 36.510 30.845 29.814 1,977.167 493.462 118.322	0.000 0.238 3.553 0.706 0.037 0.544 1.005 0.755 1.000
Use Case Se	rving Times	(sec.)	■ Servi	ng 1 ■Serving 2 ■Th	roughput (Avg)
2,500 ————					
2,000 ————					
1,500					
1,000					
500				1	
0 1	2 3	4 5	6 7	8 9	10
-		. 3	,		