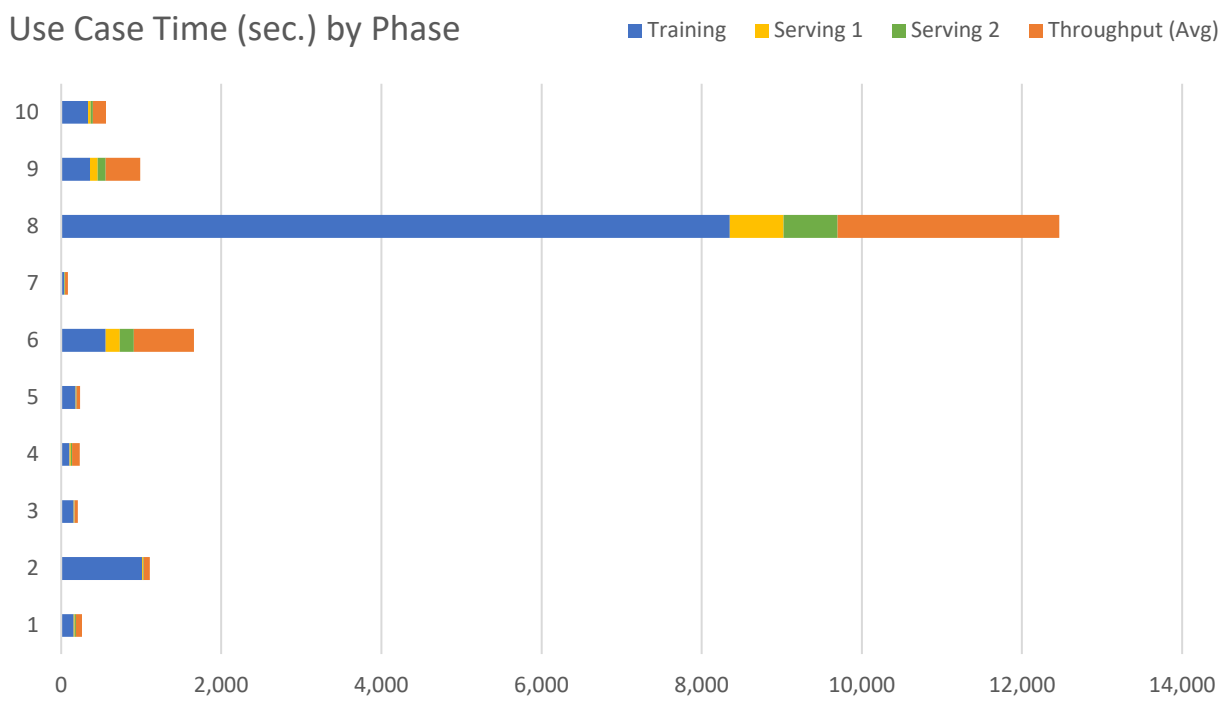
Nettrix宁畅	R620 G40		TPCx-AI 1.0.1 TPC Pricing 2.8.0 Report Date May 31, 2022
TPCx-AI Performance **291.35 AIUCpm@10**	Total System Cost **$24,548 USD**	Price/Performance **$84.26 USD/AIUCpm@10**	Availability Date **May 31, 2022**

Framework	Operating System	Other Software	Scale Factor	Streams
Anaconda Pro	Red Hat Enterprise Linux v8.2	N/A	10	100



Physical Storage / Scale Factor	Scale Factor / Physical Memory	Main Data Redundancy Model
1,176.00	0.02	RAID 5

Servers: Total Processors/Cores/Threads	1 2 / 32 / 64
Server Type	1x R620G40 (Server)
Processors	2x Intel(R) Xeon(R) Gold 6346 CPU @ 3.10GHz GHz
Memory	512 GiB
Storage Controller	1x AVAGO MegaRAID SAS 9361-8i
Storage Devices	1x 240G M.2 SATA 6G SSD 3x 3.84TB SATA SSD
Network Controller	1x INTEL BLD I350 1G RJ45 2-Ports PCIe NIC

Nettrix宁畅	R620 G40	TPCx-AI	1.0.1
		TPC Pricing	2.8.0
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Description	Part Number	Source	List Price	Qty	Extended Price	1-Yr. Maintenance
Server						
R620G40	6101550402481540	1	$13,749.00	1	$13,749.00	
Intel® Xeon® Gold 6346 CPU @ 3.10GHz	CD8068904570201	1	(included)	2		
Hynix Hynix HMA84GR7DJR4N-XN 32 GiB	HMA84GR7DJR4N-XN	1	(included)	32		
IT SSDSCKKB240GB 240G M.2 SATA6G R SSD	SSDSCKKB240G801	1	(included)	1		
INTEL BLD I350 1G RJ45 2-Ports PCIe NIC	I350T4G2P20	1	(included)	1		
AVAGO MegaRAID SAS 9361-8i	032542008A	1	(included)	1		
SAMSUNG MZ7L33T8 3.84TB	MZ7L33T8	1	(included)	3		
Hardware Support (24x7x4hr)		1	(included)	1		(included)
Red Hat Enterprise Linux 8.2		1	(included)	1		(included)
RHEL Support (24x7x4hr)		1	$799.00	1		$799.00
				Subtotal	$13,749.00	$799.00
Software						
Anaconda Pro Subscription - 1 year with Premium Support		2	$10,000.00	1		$10,000.00
				Subtotal	$0.00	$10,000.00

Pricing: 1 = Nettrix; 2 = Anaconda Inc.

Audited by Doug Johnson, InfoSizing

Total System Cost (USD):	**$24,548**
AIUCpm@10:	**291.35**
$/AIUCpm@10:	**$84.26**

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.

Nettrix宁畅	R620 G40	TPCx-AI	1.0.1
		TPC Pricing	2.8.0
		Report Date	May 31, 2022

Numerical Quantities

AIUCpm@10	**291.35**	T_{Load}	4.53
Scale Factor	10	T_{LD}	4.53
Streams	100	T_{PTT}	314.80
		T_{PST1}	26.89
Kit Version	1.0.1	T_{PST2}	26.65
Execution Status	Pass	T_{PST}	26.89
Accuracy Status	Pass	T_{TT}	4.69

Test Times

Overall Run Start Time	2022-04-14 22:10:35.264
Overall Run End Time	2022-04-15 03:18:01.119
Overall Run Elapsed Time	18,445.855
Load Test Start Time	2022-04-14 22:13:08.514
Load Test End Time	2022-04-14 22:13:13.055
Load Test Elapsed Time	4.541
Power Training Start Time	2022-04-14 22:13:13.057
Power Training End Time	2022-04-15 01:20:45.169
Power Training Elapsed Time	11,252.112
Power Serving 1 Start Time	2022-04-15 01:20:45.172
Power Serving 1 End Time	2022-04-15 01:37:59.775
Power Serving 1 Elapsed Time	1,034.603
Power Serving 2 Start Time	2022-04-15 01:37:59.778
Power Serving 2 End Time	2022-04-15 01:55:18.756
Power Serving 2 Elapsed Time	1,038.978
Scoring Start Time	2022-04-15 01:56:13.008
Scoring End Time	2022-04-15 01:59:43.287
Scoring Elapsed Time	210.279
Throughput Start Time	2022-04-15 01:59:43.314
Throughput End Time	2022-04-15 03:18:01.116
Throughput Elapsed Time	4,697.802

Nettrix宁畅	R620 G40	TPCx-AI	1.0.1
		TPC Pricing	2.8.0
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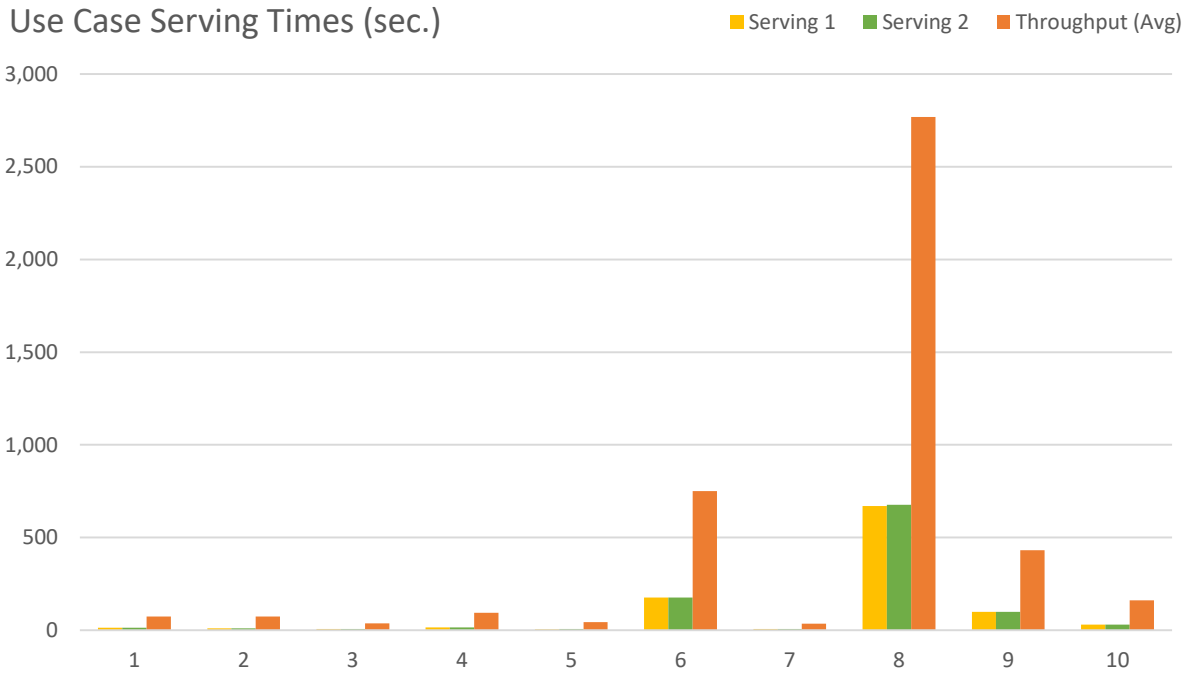
Numerical Quantities (continued)

Use Case Times & Accuracy

Use Case	Training (sec)	Serving 1 (sec)	Serving 2 (sec)	Throughput (avg)	Accuracy
UC01	156.444	14.325	14.221	74.152	0.000
UC02	1,012.214	10.488	9.484	73.545	0.451
UC03	157.823	6.293	6.254	37.705	3.614
UC04	105.676	15.602	15.571	94.434	0.707
UC05	179.304	5.965	6.074	43.860	0.385
UC06	557.347	176.172	176.270	750.221	0.548
UC07	35.886	6.397	6.433	34.853	1.031
UC08	8,351.830	670.424	676.107	2,769.088	0.738
UC09	358.789	98.687	98.529	431.751	1.000
UC10	336.704	30.151	29.940	162.004	0.816