C-) Alibaba Cloud		Alibaba Cloud MaxCompute			TPCx-BB Rev. v1.3.0 TPC-Pricing Rev. v2.4.0 Report Date: September 18, 2019				
Total System Cost			TPCx-BB Per	formance Metrie	;	•	erformance		
1,091,148 USD			,	27.86 n@30000			76 USD pm@30000		
Framework	Operating Sy	stem	Other Software	Availability D	ate So	Scale Factor Streams			
MaxCompute v3.31	Alibaba Gro Enterprise La Server 7. (Paladin)	inux 2	None September 18, 30000 2						
			System Con	figuration					
Maa Inte 512 1 * 1 1 2) Alibaba C ster Nodes: I Xeon E5-2682 v4 @ 2.50GH: GB Memory 240GB SATA 6Gbps SSD 21B SATA 6Gbps SSD 21B SATA 6Gbps SSD ded in MaxCompute Pricing	25GbE	25¢	Switches: Upinks: 8 * 100Gbps Downlinks: 48 * 25Gbps Included in MaxCompute Pricing	384GB Mer 1 * 240GB \$ 12 * 8TB \$4	on Platinum 8163 @2.50GHz			
Physical Storag	e/Scale Factor:	52.46	5		Scale Fac	ctor/Physical N	femory: 4.11		
Servers: Total Processors/Cor			70rker Node, 3x Mas 5/1,632	ter Node					
Server Configuration Processors Memory Storage Controller Storage Device Network		Per Worker Node:Per Master Node:2x Intel® Xeon® Platinum 8163 @ 2.50GHz2x Intel® Xeon® E5-2682 v4 @ 2.50384 GB2x Intel® Xeon® E5-2682 v4 @ 2.50Onboard SATA controller512 GB1x 240GB SATA 6Gbps SSD1x 240GB SATA 6Gbps SSD1x 3.84TB SATA 6Gbps SSD12x 2TB SATA 6Gbps SSD12x 8TB SATA 6Gbps HDDMellanox MT27710 ConnectX-4 Lx			D				
Connectivity:		1x Net	work Switch (8x100Gb	ops Up; 48x25Gbps	Down)				

C-C Alibaba Cloud

Alibaba Cloud MaxCompute

TPCx-BB Rev. v1.3.0 TPC-Pricing Rev. v2.4.0

Report Date: September 18, 2019

24x7, 4 hour response License Compute and Software Services Sub-Total \$799,250.85 \$288,000.00 Other Components 13-inch MacBook Pro 1.4GHz (includes 2 spares) 2 \$1,299.00 3 \$3,897.00 13-inch MacBook Pro 1.4GHz (includes 2 spares) 2 \$1,299.00 3 \$3,897.00 \$0.00 Other Components Sub-Total \$3,897.00 \$0.00 Pricing:1 = Alibaba; 2 = Apple.com (1) All discounts are based on US list prices and for similar quantities and configurations. The discounts are based on the overall specific components pricing from respective vendors 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. BBQpm@30000 6,427.86							
MaxCompute Annual Subscription (1,425 CU) Worker NodeAsia Pacific SE 1 (Singapore)1\$376,200.003\$1,128,600.00Worker Node15Intel(R) Xeon(R) Platinum 8163 CPU @ 2.50GHz232 GB Memory12Master Node3Intel(R) Xeon(R) CPU E5-2682 v4 @ 2.50GHz232 GB Memory16Network Switches (8x100Gbps Up; 48x25Gbps Down)31. Year Annual Subscription Discourt (30%)-\$112,860.003-\$338,580.00MaxCompute Storage for 1 year130000 Scale Factor (6.15 TB compressed)1MaxCompute Enterprise Service for 1 year123 clB Memory3247, 4 hour response2License Compute and Software Services Sub-Total\$799,250.8525288,000.002247, 4 hour response2Sillabar; 2 = Apple.com21°: All discounts are based on US list prices and for similar quantities and configurations. The discounts are based on the overganetomy sized configurations will be similar to those quoted here but may vary based on the components pricing from respective vendors in this single quotation. Discounts for similarly sized configurations. Will be similar to those quoted here but may vary based on the components pricing from respective vendors in this single quotation. Discounts for similarly sized configurations.Pricing: 1 = Allibaba; 2 = Apple.com5/BBQpm@ 300001°: All discounts are based on US list prices and for similar quantities and configurations. The discounts are based on the orengonents individually negotiated discounts are not permitted. Special prices based on assumptions about past or futur	Description	Part Number	Source	Unit Price	Qty	Ext. Price 3	8-Year Maint.
Worker Node 15 Intel(R) Xeon(R) Platinum 8163 CPU @ 2.50GHz 2 32 GB Memory 12 Master Node 3 Intel(R) Xeon(R) CPU E5-2682 v4 @ 2.50GHz 2 32 GB Memory 16 Network Switches (8t X00Gbps Up; 48x25Gbps Down) 3 1-Year Annual Subscription Discount (30%) -\$112,860.00 3 -\$338,580.00 MaxCompute Storage for 1 year 1 \$3,076.95 3 \$9,230.85 30000 Scale Factor (6.15 TB compressed) 1 \$3,076.95 3 \$288,000.00 24x7, 4 hour response License Compute and Software Services Sub-Total \$799,250.85 \$288,000.00 Other Components 3 \$3,897.00 \$0.000 13-inch MacBook Pro 1.4GHz (includes 2 spares) 2 \$1,299.00 3 \$3,897.00 Other Components 1 \$3,897.00 \$0.000 \$0.000 \$0.000 Pricing: 1 = Alibaba; 2 = Apple.com 1 \$1,091,148 \$1,091,148 \$1,091,148 (¹⁰ All discounts are based on US list prices and for similar quantities and configurations. The discounts are based on US list prices and for similar quantities and configuration. Discounts for similary size configurations. The disc	License Compute and Software Services						
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32 GB Memory 12 Master Node 3 Intel(R) Xeon(R) CPU E5-2682 v4 @ 2.50GHz 2 32 GB Memory 16 Network Switches (8x100Gbps Up; 48x25Gbps Down) 3 1-Year Annual Subscription Discount (30%) -\$112,860.00 3 1-Year Annual Subscription Discount (30%) -\$112,860.00 3 -\$338,580.00 MaxCompute Storage for 1 year 1 \$3,076.95 3 \$9,230.85 30000 Scale Factor (6.15 TB compressed) 1 \$96,000.00 3 \$288,000.00 24x7, 4 hour response 1 \$96,000.00 3 \$288,000.00 Other Components 13-inch MacBook Pro 1.4GHz (includes 2 spares) 2 \$1,299.00 3 \$3,897.00 Other Components Sub-Total \$3,897.00 \$0.00 Pricing: 1 = Alibaba; 2 = Apple.com (*) All discounts are based on US list prices and for similar quantities and configurations. The discounts are based on the overall specific components pricing from respective vendors in this single quotation. Discounts for similar ysic donginations will be similar to those quoted here but may vary based on the complements. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts	Worker Node				15		
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Other Components Sub-Total\$3,897.00\$0.00Pricing: 1 = Alibaba; 2 = Apple.comThree-Year Cost of Ownership\$1,091,148(1) All discounts are based on US list prices and for similar quantities and configurations. The discounts are based on the overall specific components pricing from respective vendors 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.BBQpm@300006,427.86Audited by Doug Johnson of InfoSizing\$/B Upm@30000\$ 169.76Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated components. 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 components. For complete details, see the pricing sections of the TPC benchmark specifications. If you find that the stated prices are not available according to according to the stated prices are not available according to			2	\$1,299.00	3	\$3,897.00	
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	components. 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 components. For complete details, see the pricing sections of the TPC benchmark specifications. If you find that the stated prices are not available according to						
	these terms, p	lease morm at pricing wi	pc.org. The	ank you.			

C-C Alibaba Cloud

TPCx-BB Rev. v1.3.0 TPC-Pricing Rev. v2.4.0

Report Date: September 18, 2019

			September 18, 2019
	Numerical Qua	intities	
Scale Fa	actor		30000
Streams			2
	alidation Test		PASS
~ ~ ~ ~ ~			
	Performance Run	(Run 2)	
Overall	Run Start Time		12:41:33.273
Overall	Run End Time	2019-09-01	23:40:54.575
Overall	Run Elapsed Time		39,561.302
Load Te	est Start Time	2019-09-01	12:41:33.273
Load Te	est End Time	2019-09-01	13:11:32.580
Load Te	est Elapsed Time		1,799.307
	Fest Start Time		13:11:32.582
	Fest End Time	2019-09-01	17:46:26.867
Power 'I	Test Elapsed Time		16,494.285
Through	hput Test Start Time	2019-09-01	17:46:26.868
•	hput Test End Time		23:40:54.574
	hput Test Elapsed Time		21,267.706
	r · · · · · · · · · · · · · · · · · · ·		,
Perform	nance Metric (BBQpm@ 30000)		6,427.86
	Repeatability Run	(Run 1)	
	Run Start Time		00:40:44.561
Overall	Run End Time	2019-09-01	11:37:15.168
Overall	Run Elapsed Time		39,390.607
x 1 m		2010 00 01	
	est Start Time		00:40:44.561
	Load Test End Time Load Test Elapsed Time		01:10:26.215
Load Ie	est Elapsed Time		1,781.654
Power 7	Fest Start Time	2019-09-01	01:10:26.216
	Fest End Time		05:48:02.626
	Power Test Elapsed Time		16,656.410
	I		,
Through	hput Test Start Time	2019-09-01	05:48:02.627
-	hput Test End Time	2019-09-01	11:37:15.168
Through	hput Test Elapsed Time		20,952.541
Perform	nance Metric (BBQpm@ 30000)		6,472.77

Report Date: September 18, 2019

Performance Run Report (Run 2)

Repeatability Run Report (Run 1)

Summary details of the run reports are shown above. For the complete run reports, see the Support Files Archive.