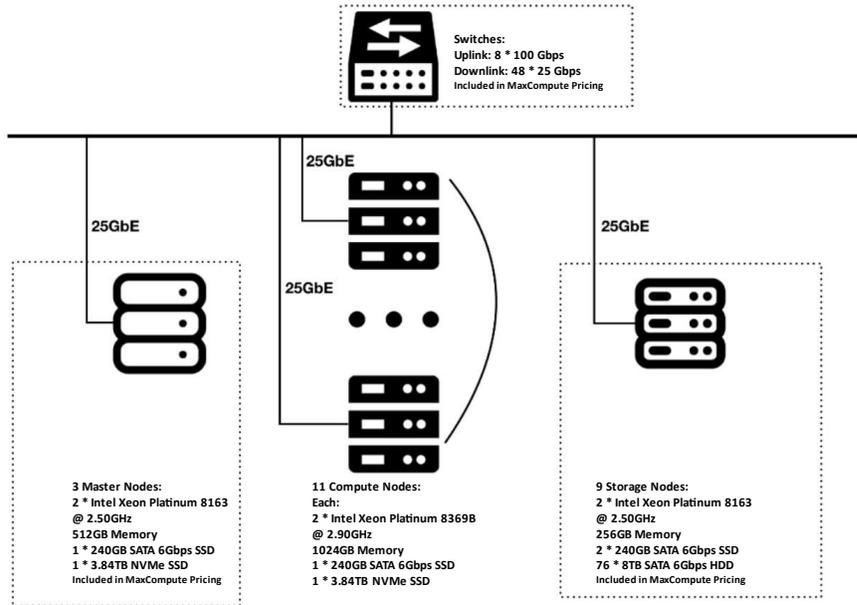


	<b>Alibaba Cloud MaxCompute</b>	TPCx-BB Rev. v1.5.2 TPC-Pricing Rev. v2.8.0
		Report Date: August 18, 2022
Total System Cost	TPCx-BB Performance Metric	Price/Performance
<b>1,072,194 USD</b>	<b>23,307.23</b> BBQpm@30000	<b>46.01 USD</b> \$/BBQpm@30000

Framework	Operating System	Other Software	Availability Date	Scale Factor	Streams
MaxCompute v3.42	Alibaba Group Enterprise Linux Server 7.2 (Paladin)	None	August 18, 2022	30000	3

### System Configuration



Physical Storage/Scale Factor: 184.45	Scale Factor/Physical Memory: 1.99
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Servers:	23x Master Node / Compute Node / Storage Node
Total Processors/Cores/Threads	46/1,280/2,560

3x Master Nodes:	11x Compute Nodes:	9x Storage Nodes:
2x Intel® Xeon® Platinum 8163 CPU @ 2.50GHz 512 GiB Onboard SATA Controller 1x 240 GB SATA 6 Gbps SSD 1x 3.84 TB NVMe SSD Mellanox MT27710 2-port	2x Intel(R) Xeon(R) Platinum 8369B CPU @ 2.90GHz 1,024 GiB Onboard SATA Controller 1x 240 GB SATA 6 Gbps SSD 1x 3.84 TB NVMe SSD Mellanox MT28800 2-port	2x Intel(R) Xeon(R) Platinum 8163 CPU @ 2.50GHz 256 GiB Onboard SATA Controller 2x 240 GB SATA 6 Gbps SSD 76x 8 TB SATA 6 Gbps HDD Mellanox MT27710 2-port

Connectivity:	Network Switch (8x 100 Gbps Up; 48x 25 Gbps Down)
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# Alibaba Cloud MaxCompute

TPCx-BB Rev. v1.5.2  
TPC-Pricing Rev. v2.8.0

Report Date:  
August 18, 2022

Description	Part Number	Source	Unit Price	Qty	Ext. Price	3-Year Maint.
<b>License Compute and Software Services</b>						
<u>MaxCompute Annual Subscription (1,400 CU)</u>	Asia Pacific SE 1 (Singapore)	1	\$369,600.00	3	\$1,108,800.00	
Master Node				3		
Intel® Xeon® Platinum 8163 @ 2.50 GHz				2		
32 GB Memory				16		
240 GB SATA 6 Gbps SSD				1		
3.84 TB NVMe SSD				1		
Compute Node				11		
Intel® Xeon® Platinum 8369B @ 2.90 GHz				2		
64 GB Memory				16		
240 GB SATA 6 Gbps SSD				1		
3.84 TB OCSSD				1		
Storage Node				9		
Intel® Xeon® Platinum 8163 @ 2.50 GHz				2		
32 GB Memory				8		
240 GB SATA 6 Gbps SSD				2		
8 TB SATA 6 Gbps HDD				76		
Network Switches (8x100Gbps Up; 48x25Gbps Down)				NA		
1-Year Annual Subscription Discount (30%)			-\$110,880.00	3	-\$332,640.00	
<u>MaxCompute Storage for 1 year</u>		1	\$1,378.96	3	\$4,136.88	
30000 Scale Factor (6.15 TB compressed)						
<u>MaxCompute Enterprise Service for 1 year</u>		1	\$96,000.00	3		\$288,000.00
24x7, 4 hour response						
<b>License Compute and Software Services Sub-Total</b>					<b>\$780,296.88</b>	<b>\$288,000.00</b>
<b>Other Components</b>						
13-inch MacBook Pro M1 Chip (includes 2 spares)		2	\$1,299.00	3	\$3,897.00	
<b>Other Components Sub-Total</b>					<b>\$3,897.00</b>	<b>\$0.00</b>

Pricing: 1 = Alibaba; 2 = Apple.com

<sup>(1)</sup> 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.

**Audited by Doug Johnson of InfoSizing**

**Three-Year Cost of Ownership \$1,072,194**

**BBQpm@30000 23,307.23**

**\$/BBQpm@30000 \$ 46.01**

Prices 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 these terms, please inform at [pricing@tpc.org](mailto:pricing@tpc.org). Thank you.

### Numerical Quantities

Scale Factor	30000
Streams	3
SUT Validation Test	PASS

### Performance Run (Run 2)

Overall Run Start Time	2022-08-01 12:56:50.678
Overall Run End Time	2022-08-01 16:26:57.218
Overall Run Elapsed Time	12,606.540
Load Test Start Time	2022-08-01 12:56:50.679
Load Test End Time	2022-08-01 13:21:51.484
Load Test Elapsed Time	1,500.805
Power Test Start Time	2022-08-01 13:21:51.486
Power Test End Time	2022-08-01 14:25:32.224
Power Test Elapsed Time	3,820.738
Throughput Test Start Time	2022-08-01 14:25:32.225
Throughput Test End Time	2022-08-01 16:26:57.218
Throughput Test Elapsed Time	7,284.993
Performance Metric (BBQpm@30000)	23,307.23

### Repeatability Run (Run 1)

Overall Run Start Time	2022-08-01 08:20:12.210
Overall Run End Time	2022-08-01 11:37:27.153
Overall Run Elapsed Time	11,834.943
Load Test Start Time	2022-08-01 08:20:12.211
Load Test End Time	2022-08-01 08:46:03.844
Load Test Elapsed Time	1,551.633
Power Test Start Time	2022-08-01 08:46:03.846
Power Test End Time	2022-08-01 09:48:14.320
Power Test Elapsed Time	3,730.474
Throughput Test Start Time	2022-08-01 09:48:14.320
Throughput Test End Time	2022-08-01 11:37:27.152
Throughput Test Elapsed Time	6,552.832
Performance Metric (BBQpm@30000)	24,178.65

## Performance Run Report (Run 2)

\*\*\*\*\*

TPCx-BB

Result

v1.5.2

\*\*\*\*\*

INFO: T\_LOAD = 1500.805

INFO: T\_LD = 0.1 \* T\_LOAD: 150.0805

INFO: T\_PT = 1933.42976945178

INFO: T\_T\_PUT = 7284.993

INFO: T\_TT = 2428.331

INFO: === Checking validity of the final result ===

INFO: OK: All required BigBench phases were performed.

INFO: OK: All 30 queries were running in the power test.

INFO: OK: All 30 queries were running in the first throughput test.

INFO: OK: Pretend mode was inactive. All commands were executed.

INFO: === Final result ===

INFO: VALID BBQpm@30000 = 23307.235556107

## Repeatability Run Report (Run 1)

\*\*\*\*\*

TPCx-BB

Result

v1.5.2

\*\*\*\*\*

INFO: T\_LOAD = 1551.633

INFO: T\_LD = 0.1 \* T\_LOAD: 155.1633

INFO: T\_PT = 1977.29542528246

INFO: T\_T\_PUT = 6552.832

INFO: T\_TT = 2184.27733333333

INFO: === Checking validity of the final result ===

INFO: OK: All required BigBench phases were performed.

INFO: OK: All 30 queries were running in the power test.

INFO: OK: All 30 queries were running in the first throughput test.

INFO: OK: Pretend mode was inactive. All commands were executed.

INFO: === Final result ===

INFO: VALID BBQpm@30000 = 24178.6593513056

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