(-) Alibaba Cloud		Alibaba Cloud ApsaraCompute Big Data Accelerator			TPCx-BB Rev. v1.5.0 TPC-Pricing Rev. v2.7.0 Report Date: October 19, 2021		
Total Syste	m Cost	TPC <sub>Y</sub> -RR P	orformance Metric			•	
Total Syste.	III COSt	TPCx-BB Performance Metric			Price/Performance		
758,001	USD	,	<b>187.42</b> pm@3000		<b>346.53 USD</b> \$/BBQpm@3000		
Framework	Operating Sys	stem Other Software	Availability Da	ate Sc	cale Factor Stream		
Horton Works HDP 3.0.1	CentOS Lin release 7.7.1	Nona	October 19, 20	21	3000 8		
				<u></u>			
<ul><li>256 GiB Memory</li><li>1x 500 GiB PL0 ESS</li></ul>	32 G ge with: um 8369B CPU @ 2.7 D Cloud Disk (boot di D Cloud Disk (data dis	70 GHz sk)	10x Aliyun ecs.g7.16x • Intel® Xeon® Plat • 256 GiB Memory • 1x 500 GiB PL0 Es • 6x 450 GiB PL1 Es	tinum 8369B ( / SSD Cloud Dis	k (boot disk)	32 GbE	
• Intel® Xeon® Platin • 256 GiB Memory • 1x 500 GiB PL0 ESSI • 6x 450 GiB PL1 ESSI  Physical Storag	ge with: um 8369B CPU @ 2.7 D Cloud Disk (boot di D Cloud Disk (data dis	70 GHz sk) sk)	• Intel® Xeon® Plat • 256 GiB Memory • 1x 500 GiB PL0 Es • 6x 450 GiB PL1 Es	tinum 8369B (r SSD Cloud Dis SSD Cloud Dis	k (boot disk)		
• Intel® Xeon® Platin • 256 GiB Memory • 1x 500 GiB PL0 ESSI • 6x 450 GiB PL1 ESSI  Physical Storag	ge with: um 8369B CPU @ 2.7 D Cloud Disk (boot di D Cloud Disk (data dis	70 GHz sk) sk)	Intel® Xeon® Plat 256 GiB Memory 1x 500 GiB PL0 Es 6x 450 GiB PL1 Es	n Data Rec	dundancy Mod		

TPCx-BB ES 1 Alibaba - October, 2021



## Alibaba Cloud ApsaraCompute Big Data Accelerator

TPCx-BB Rev. v1.5.0 TPC-Pricing Rev. v2.7.0

Report Date: October 19, 2021

Description	Part Number	Source	Unit Price	Qty	Ext. Price	3-Year Maint.
Licensed Compute Services						
ECS Instance ecs.g7.16xlarge	ecs.g7.16xlarge (China Beijing)	1	\$49,245.26	11	\$541,697.86	included
ECS System Disk (PL0 ESSD Cloud Disk 500 GiB)	Option	1	\$1,393.95	11	\$15,333.45	included
ECS Data Disk (PL1 ESSD Cloud Disk 450 GiB)	Option	1	\$2,509.10	66	\$165,600.60	included
Licensed Compute Services Subtotal					\$72	2,631.91
Software Components						
Horton Works HDP Enterprise Plus, 24x7 1yr	N/A	2	\$11,200.00	33	\$369,600.00	
Software Components Subtotal					\$36	9,600.00

Total Cost	\$1,092,232.00
LCS Discount	-\$334,231.06

Pricing:1 = Alibaba; 2 = Cloudera	Three-Year Cost of Ownership	\$758,001
(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@3000	2,187.42
Audited by Doug Johnson, InfoSizing	\$/BBQpm@3000	\$ 346.53

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. Thank you.

TPCx-BB ES 2 Alibaba - October, 2021



# Alibaba Cloud ApsaraCompute Big Data Accelerator

TPCx-BB Rev. v1.5.0 TPC-Pricing Rev. v2.7.0

> Report Date: October 19, 2021

2,196.83

## Numerical Quantities

Scale Factor3000Streams8SUT Validation TestPASS

#### Performance Run (Run 2)

 Overall Run Start Time
 2021-10-05 19:32:01.748

 Overall Run End Time
 2021-10-06 01:29:23.181

 Overall Run Elapsed Time
 21,441.433

 Load Test Start Time
 2021-10-05 19:32:01.749

 Load Test End Time
 2021-10-05 19:44:29.009

 Load Test Elapsed Time
 747.260

 Power Test Start Time
 2021-10-05 19:44:29.010

 Power Test End Time
 2021-10-05 20:55:07.083

 Power Test Elapsed Time
 4,238.073

Throughput Test Start Time 2021-10-05 20:55:07.083
Throughput Test End Time 2021-10-06 01:29:23.181
Throughput Test Elapsed Time 16,456.098

Performance Metric (BBQpm@ 3000) 2,187.42

#### Repeatability Run (Run 1)

Overall Run Start Time 2021-10-05 13:13:02.979 Overall Run End Time 2021-10-05 19:09:18.932 Overall Run Elapsed Time 21,375.953 Load Test Start Time 2021-10-05 13:13:02.980 Load Test End Time 2021-10-05 13:25:39.379 Load Test Elapsed Time 756.399 Power Test Start Time 2021-10-05 13:25:39.380 Power Test End Time 2021-10-05 14:35:51.122 Power Test Elapsed Time 4,211.742 Throughput Test Start Time 2021-10-05 14:35:51.122 Throughput Test End Time 2021-10-05 19:09:18.932 Throughput Test Elapsed Time 16,407.810

TPCx-BB ES 3 Alibaba - October, 2021

Performance Metric (BBQpm@ 3000)



## Alibaba Cloud ApsaraCompute Big Data Accelerator

TPCx-BB Rev. v1.5.0 TPC-Pricing Rev. v2.7.0

> Report Date: October 19, 2021

### Performance Run Report (Run 2)

\*\*\*\*\*\* TPCx-BB Result v1.5.0 \*\*\*\*\*\* INFO: T LOAD = 747.26INFO: T LD = 0.1 \* T LOAD: 74.726 INFO: T\_PT = 2786.02808204629 INFO: T\_T\_PUT = 16456.098 INFO:  $T_TT = 2057.01225$ 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 ===

### Repeatability Run Report (Run 1)

INFO: VALID BBQpm@3000 = 2187.42634689913

\*\*\*\*\* TPCx-BB Result v1.5.0 \*\*\*\*\* INFO:  $T_LOAD = 756.399$ INFO: T\_LD = 0.1 \* T\_LOAD: 75.6399 INFO: T PT = 2767.4761023159 INFO:  $T_T_PUT = 16407.81$ INFO:  $T_TT = 2050.97625$ 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@3000 = 2196.83525587891

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