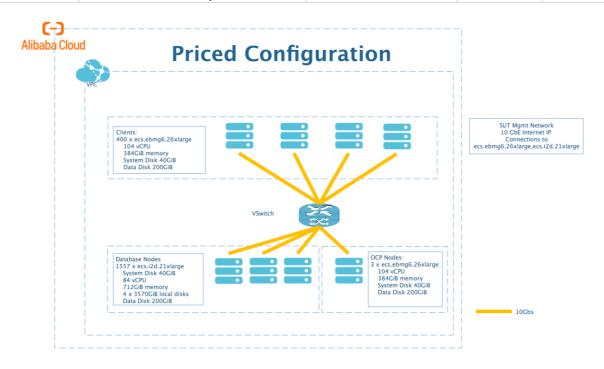
6 ANT	Alibaba Cloud Elastic Co	TPC-C 5.11.0 TPC-Pricing 2.5.0		
ANT FINANČIAL	Cluster (with 1554 Oce Nodes)	Report Date May 15, 2020		
Total System Cost	TPC-C Throughput	Price/Performance	Availability Date June 08, 2020	
CNY 2,814,509,552.00	707,351,007 tpmC	CNY 3.98/tpmC		
Database Server	Database	Operating	Other	Number of User
Processors/Cores/Threads	Manager	System	Software	
Intel Xeon Platinum	OceanBase v2.2 Enterprise Edition with			
8163(Skylake) 2.5GHz	Partitioning, Horizontal Scalability and	Aliyun Linux 2	Nginx 1.15.8	559,440,000
130,788 vCPU	Advanced Compression			



System Component	1557 x Dat	abase Nodes (each with)	3 x OCP Nodes (each with)		400 x Clients (each with)		Total
Proc./Core/Thread (Virtual CPU)	2/42/84 (84 vCPU)	Intel Xeon Platinum 8163 (2.5GHz, 33MB)	2/52/104 (104 vCPU)	Intel Xeon Platinum 8269CY 2.5GHz (2.5GHz, 35.75MB)	2/52/104 (104 vCPU)	Intel Xeon Platinum 8269CY 2.5GHz (2.5GHz, 35.75MB)	3920/86,350/172,700 (172,700 vCPU)
Memory		712GB		384GB		384GB	1,263,336 GB
OS Disk	1	40GB Ultra Cloud Disk	1	40GB Ultra Cloud Disk	1	40GB Ultra Cloud Disk	
Local Disk	4	3,570GB NVMe SSD					
Cloud Disk	1	200GB Ultra Cloud Disk	1	200GB Ultra Cloud Disk	1	200GB Ultra Cloud Disk	
Total Storage		22,607,640 GB		720GB		96,000GB	22,704,360GB



Alibaba Cloud Elastic Compute Service Cluster (with 1554 OceanBase Data Nodes)

TPC-C 5.11.0 TPC-Pricing 2.5.0

> Report Date May 15, 2020

Description	Part Number	Src	Unit Price (CNY)	Qty	Ext. Price (CNY)	3-Y Maintenanc (CNY)
Licensed Compute Services			(CIVI)			(CNI)
<u>Virtual cloud server</u>						
CCS Instance cs.i2d.21xlarge (3-year price) NVMe SSD Local Disk (4 x 570GB) vCPU (84)	ecs.i2d.21xlarge (South China 2)	2	349,287.16	1,557	543,840,108.12	
Memory (712 GB)						
ECS System Disk (Ultra Cloud Disk 40GB)	Included	2	0.00	1,557	0.00	
ECS Data Disk (Ultra Cloud Disk 200GB)	Included	2	0.00	1,557	0.00	
Aliyun Linux 2	Included	2	0.00	1,557	0.00	
Virtual cloud server						
ECS Instance ecs.ebmg6.26xlarge (3-year orice) · vCPU (104) · Memory (384 GB)	ecs.ebmg6.26xlarge (South China 2)	2	250,956.00	400	100,382,400.00	
ECS System Disk (Ultra Cloud Disk 40GB)	Included	2	0.00	400	0.00	
ECS Data Disk (Ultra Cloud Disk 200GB)	Included	2	0.00	400	0.00	
Aliyun Linux 2	Included	2	0.00	400	0.00	
Virtual cloud server						
ECS Instance ecs.ebmg6.26xlarge (3-year price) - vCPU (104) - Memory (384 GB)	ecs.ebmg6.26xlarge (South China 2)	2	250,956.00	3	752,868.00	
ECS System Disk (Ultra Cloud Disk 40GB)	Included	2	0.00	3	0.00	
ECS Data Disk (Ultra Cloud Disk 200GB)	Included	2	0.00	3	0.00	
Aliyun Linux 2	Included	2	0.00	3 Sub-Total	0.00 644,975,376.12	
Licensed Software Services						
OceanBase v2.2 Enterprise Edition, per vCPU for 3 years		1	14,850.00	130,788	1,942,201,800.00	
OceanBase v2.2 Partitioning, per vCPU for 3 years		1	2,475.00	130,788	323,700,300.00	
OceanBase v2.2 Horizontal Scalability, per vCPU for 3			2,475.00	130,788	323,700,300.00	
years		1	2 475 00	120 700	202 700 200 00	2 170 140 100 00
OceanBase v2.2 Advanced Compression, per vCPU for 3 years		1	2,475.00	130,788	323,700,300.00	3,178,148,400.00
		-		Sub-Total	2,913,302,700.00	3,178,148,400.00
Other Components						
Lenovo ThinkPad X1 Yoga 2019 14" Laptop (includes 2 spares)	20SA000BCD	3	16,999.00	3	50,997.00	
· P ·· • • · /				Sub-Total	50,997.00	

Other Services					
Alibaba Cloud Enterprise Support Service for 3 years 7x24x4hrs - ECS support included - Aliyun Linux 2 support included	2	300,000.00	3		900,000.00
OpenResty Professional Edition Support Service for 3 years 7x24x4hrs - Nginx support included	4	15,300.00	400		6,120,000.00
			Sub-Total	0.00	7,020,000.00
Discounts*					
OceanBase v2.2 Enterprise Edition Discount	1	-9,578.25	130,788	-1,252,720,161.00	
OceanBase v2.2 Partitioning Discount	1	-1,596.38	130,788	-208,787,347.44	
OceanBase v2.2 Horizontal Scalability Discount	1	-1,596.38	130,788	-208,787,347.44	
OceanBase v2.2 Advanced Compression Discount	1	-1,596.38	130,788	-208,787,347.44	
OceanBase v2.2 Support Service Discount	1	-15,673.50	130,788		-2,049,905,718.00
			Sub-Total	-1,879,082,203.32	-2,049,905,718.00
			Total	1,679,246,869.80	1,135,262,682.00
1 Ant Financial 2 Alibaba Cloud			3-Y Cost of	Ownership (CNY): tpmC	2,814,509,552.00 707,351,007
3 thinkpad.lenovo.com.cn 4 OpenResty Inc.				CNY/tpmC	3.98
Audited by Doug Johnson of InfoSizing.					

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 section of the TPC benchmark specifications. If you find that stated prices are not available according to these terms, please inform the TPC at pricing@tpc.org. Thank you.



Alibaba Cloud Elastic Compute Service Cluster (with 1554 OceanBase Data Nodes)

TPC-C 5.11.0 TPC-Pricing 2.5.0

> Report Date May 15, 2020

Numerical Quantities Sun	ımary:			
MQTh (Maximum Qualified Throu	ghput)	707,35	51,007 tpmC	
Response Time (sec.)	Min	Average	90 th	Max
New-Order	0.103	0.127	0.160	5.555
Payment	0.104	0.123	0.154	5.527
Order-Status	0.102	0.117	0.141	5.354
Delivery (Interactive)	0.101	0.101	0.101	0.970
Delivery (Deferred)	0.008	1.550	6.340	13.376
Stock-Level	0.102	0.120	0.152	5.087
Menu	0.101	0.101	0.101	21.932
Emulated Display Delay: 0.1	l sec.			
Fransaction Mix	Percent	Nu	mber	
New-Order	44.960%	339,528	,483,405	
Payment	43.010%	324,805	,893,484	
Order-Status	4.010%	30,282	,810,672	
Delivery	4.010%	30,283	,015,648	
Stock-Level	4.010%	30,282		
Keying Times (sec.)	Min	Average		Max
New-Order	18.002	18.068		19.744
Payment	3.002	3.065		4.739
Order-Status	2.002	2.063		3.735
Delivery	2.002	2.063		3.736
Stock-Level	2.002	2.063		3.743
Think Times (sec.)	Min	Average		Max
New-Order	0.002	12.065		121.456
Payment	0.002	12.065		121.558
Order-Status	0.002	10.065		101.152
Delivery	0.002	5.064		51.159
Stock-Level	0.002	5.064		51.156
Test Duration				
Ramp-up Time				55 min.
Measurement Interval (MI)		480 min.		
Checkpoints in MI per Node		23/23.18/24		
Maximum Checkpoint Interv		22:27		
Number of transactions (all		755,183,055,838		