
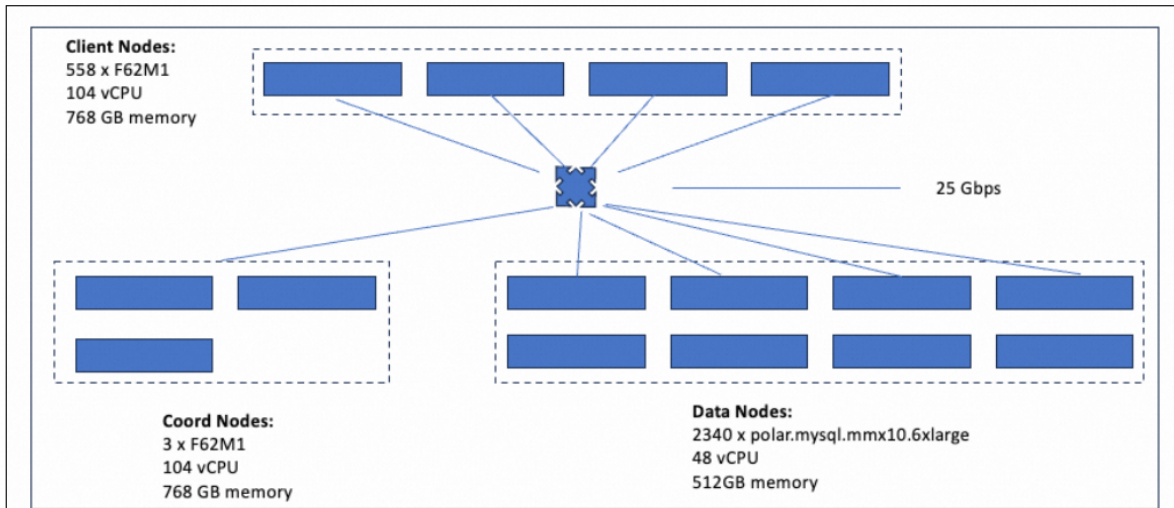




Executive Summary

	Alibaba Cloud PolarDB Limitless (with 2340 PolarDB for MySQL Data Nodes)		TPC-C 5.11.0 TPC-Pricing 2.9.0	
			Report Date Jan 19th 2025	
Total System Cost	TPC-C Throughput	Price/Performance	Availability Date	
1,626,643,837.00 CNY	2,055,076,649 tpmC	0.80 CNY/tpmC	Jan 19th 2025	
Database Server Cores	Database Manager	Operating System	Other Software	Number of Users
INTEL(R) XEON(R) PLATINUM 8575C, (3.2GHz) 112,320 vCPU	Alibaba Cloud PolarDB for MySQL (PolarDB-M) 8.0.2 Enterprise Edition	Alibaba Group Enterprise Linux Server 7.2 (Paladin)	Nginx 1.25.3.1	1,632,150,000



System Component	2340 Data Nodes		3 Coord Nodes		558 Client Nodes		Total
vCPU	48	INTEL(R) XEON(R) PLATINUM 8575C @ 3.2GHz	104	Intel(R) Xeon(R) Platinum 8269CY @ 2.50GHz	104	Intel(R) Xeon(R) Platinum 8269CY @ 2.50GHz	170,664
Memory	1	512GB	1	768 GB	1	768 GB	1590.75 TB
OS Disk	1	240 GB	1	240 GB	1	240 GB	679.92 TB
Data Disk	1	31.5TB	0	N/A	0	N/A	73,710.00 TB
Total Disk Storage		74220.73 TB		0.66 TB		121.84 TB	74,389.92 TB

	Alibaba Cloud PolarDB Limitless (with 2340 PolarDB for MySQL Data Nodes)					TPC-C 5.11.0 TPC-Pricing 2.9.0
						Report Date Jan 19th 2025
Description	Part Number	Src	Discount	Unit Price	Qty	Ext.Price (CNY)
Alibaba Cloud PolarDB Limitless						
polar.mysql.mmx10.6xlarge (3-year-price)		1		13,200	2,340	1,111,968,000.00
- INTEL(R) XEON(R) PLATINUM 8575C CPU @3.2GHz (48 vCPU)	included	1		0.00	2,340	
- Memory (512G)	included	1		0.00	2,340	
- Alibaba Group Enterprise Linux Server 7.2 (Paladin)	included	1		0.00	2,340	
- Alibaba Cloud PolarDB for MySQL 8.0.2 Enterprise Edition	included	1		0.00	2,340	
- Alibaba Cloud PolarDB Online Support Service 7x24 for 3 years	included	1		0.00	2,340	
					Sub-Total	1,111,968,000.00
PSL3-31.5T (3-year-price)		1		25,232	2,340	2,125,543,680
PSL3 (31.5TB)	included	1		0.00	2,340	
					sub-Total	2,125,543,680.00
Other Services						
OpenResty Professional Edition Support Service for 3 years 7x24x4hrs		2		14,000.00	560	7,840,000.00
- Nginx support included	Included					
					Sub-Total	7,840,000.00
Other Components						
MacBook Pro Laptop (includes 2 sapres)	MCX14LL/A	3		15,999.00	3	47,997.00
					Sub-Total	47,997.00
Discount						
DB-48C512G (3-year-price)		1	50%	-6,600	2340	- 555,984,000
PSL3-31.5T		1	50%	-12,904	2340	- 1,062,771,840
					Sub-Total	-1,618,755,840.00
Src						
				3-Y Cost of Ownership (CNY)		1,626,643,837.00
1. Alibaba Cloud 2. OpenResty Inc 3. www.apple.com.cn				tpmC		2,055,076,649
Audited by Doug Johnson of InfoSizing				CNY/tpmC		0.80
The prices referenced in TPC Benchmarks represent the actual costs a customer would pay for a one-time purchase of the specified components. Individually negotiated discounts and special pricing based on assumptions about past or future purchases are not allowed. All discounts adhere to standard pricing policies for the listed components. For complete details, refer to the pricing section of the TPC benchmark specifications. If you discover that the stated prices are unavailable under these terms, please notify the TPC at pricing@tpc.org. Thank you.						

	Alibaba Cloud PolarDB Limitless (with 2340 PolarDB for MySQL Data Nodes)		TPC-C 5.11.0 TPC-Pricing 2.8.0	
	Report Date Jan 19th 2025			
Numerical Quantities:				
MQTH (computed Maximum Qualified Throughput)		2,055,076,649 tpmC		
Ramp-up Time		20 min		
Measurement Interval (MI)		120 min		
Checkpoints in MI per Node (Min/Max/Avg)		125,648/538,640/291275		
Checkpoint Interval (all nodes) Min/Max/Avg		1ms/74696ms/181ms		
Number of transactions all types completed in MI		549,201,278,498		
Response Time (ms)				
	Min Latency	Avg Latency	P90 Latency	Max Latency
New-order	101.030	138.450	163.300	59,999.900
Payment	100.657	137.156	168.100	59,999.900
Order-status	100.800	166.628	190.200	59,999.900
Stock-level	101.185	151.218	175.500	59,999.900
Delivery	100.090	103.037	101.500	11,804.000
Menu	100.071	103.272	101.400	11,813.200
Delivery_deferred	2.408	33.936	61.000	59,999.900
Transaction Mix				
	Number	Percent		
New-order	246,609,197,973	44.903%		
Payment	236,407,712,464	43.046%		
Order-status	22,050,605,728	4.015%		
Stock-level	22,065,766,770	4.018%		
Delivery	22,067,995,563	4.018%		
Keying Times (sec)				
	Min	Avg	Max	
New-order	18.001	18.002	19.893	
Payment	3.001	3.002	4.883	
Order-status	2.001	2.002	3.819	
Stock-level	2.001	2.002	3.816	
Delivery	2.001	2.002	3.827	
Thinking Times (sec)				
	Min	Avg	Max	
New-order	0.000	12.079	122.645	
Payment	0.000	12.079	122.497	
Order-status	0.000	10.086	102.293	
Stock-level	0.000	5.096	52.408	
Delivery	0.000	5.097	52.285	