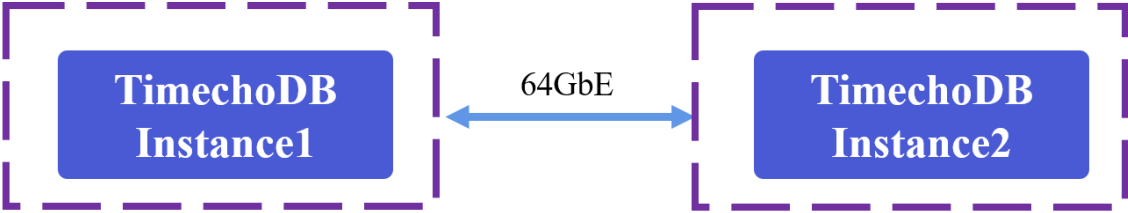
	TimechoDB 1.3.2.2 based on Apache IoTDB		TPCx-IoT 2.1.1 TPC Pricing 2.9.0 Report Date July 24,2024
	Total System Cost \$288,471.48 USD	TPCx-IoT Performance Metric 8,260,764.81 IoTps	Price/Performance \$34.92 USD/kIoTps
Servers	Operating System	Other Software	Availability Date
ecs.g8a.48xlarge	CentOS Stream 8 64-bit	None	July 24, 2024
System Under Test Configuration Overview			
			
Server 1: 1 x ecs.g8a.48xlarge CentOS Stream 8 64-bit 192 vCPU Processor 768 GB Memory 10 x 800GB Enhanced SSD		Server 2: 1 x ecs.g8a.48xlarge CentOS Stream 8 64-bit 192 vCPU Processor 768 GB Memory 10 x 800GB Enhanced SSD	
Total Servers:		2 Alibaba Cloud ECSs -2x ecs.g8a.48xlarge	
Total Processors/Cores/Threads:		2/192/384	
Server Configuration:		2x TimechoDB Instances	
Processor:		1x ecs.g8a.48xlarge (AMD EPYC 9T24 96-Core Processor)	
Memory:		768GB	
Storage Device:		10x 800GB Alibaba Cloud ESSD	
Network Controller:		Bandwidth: 64 Gbps	
Connectivity:		Alibaba Cloud Elastic Compute Service	



**TimechoDB 1.3.2.2
based on Apache IoTDB**

TPCx-IoT 2.1.1
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 Report Date July 24,2024

Description	Part Number	Source	List Price (USD)	Qty	Extended Price (USD)	3 yr. Maint. Price (USD)
Licensed Compute Services						
Alibaba Cloud Elastic Compute Service 1-Year Plan Auto-renewal		1	59,525.79	6	357,154.74	included
- Alibaba Cloud ECS Instance: ecs.g8a.48xlarge	ecs.g8a.48xlarge	1	included	2		
- 128GB ESSD System Disk		1	included	2		
- 800GB ESSD Data Disk		1	included	20		
- Private Network		1	included	1		
					Sub-Total	\$357,154.74 USD
Licensed Software Services						
CentOS Stream 8 64-bit		1	included	2		
3-Year TimechoDB 1.3.2.2 License (incl. 1-year 24*7 Support)		2	60,000	1	60,000	
1-Year TimechoDB 24*7 Support		2	12,000	2	24,000	
					Sub-Total	\$84,000 USD
Discounts*						
Alibaba Cloud ECS (38.05%)		1	(22,647.21)	6	(135,883.26)	
3-Year TimechoDB 1.3.2.2 License		2	(12,000)	1	(12,000)	
1-Year TimechoDB 24*7 Support		2	(2,400)	2	(4,800)	
					Sub-Total	(\$152,683.26 USD)
					Total	\$288,471.48 USD

<u>Price Sources:</u> 1) Alibaba Cloud, 2) Timecho *38.05% OFF discount is directly applied for over 12 months subscription in all Alibaba Cloud regions. *20% OFF discount is based on list price for the deployment of small clusters of TimechoDB.	Three-Year Cost of Ownership:	\$288,471.48 USD
	IoTps:	8,260,764.81
	USD/kIoTps:	\$34.92 USD/kIoTps

Prices used in TPC benchmarks must reflect the actual prices a customer would pay for purchase of the components in all regions specified in the result. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts reflect standard pricing conventions for the listed components. For complete details, see the pricing section of the TPC benchmark specification. If you find that stated prices are not available according to these terms, please inform the TPC at pricing@tpc.org. Thank you.



TimechoDB 1.3.2.2
based on Apache IoTDB

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Numerical Quantities

Scale Factor 18,000,000,000

Performance Run (Run1)

Warmup Run Start Time 2024-07-03 14:25:46.000
Warmup Run End Time 2024-07-03 15:00:56.000
Warmup Run Elapsed Time 2,109.933

Measured Run Start Time 2024-07-03 15:00:57.000
Measured Run End Time 2024-07-03 15:35:29.000
Measured Run Elapsed Time 2,071.376

Performance Metric (IoTps) 8,689,875.72

Repeatability Run (Run2)

Warmup Run Start Time 2024-07-03 15:40:32.000
Warmup Run End Time 2024-07-03 16:13:29.000
Warmup Run Elapsed Time 1,976.523

Measured Run Start Time 2024-07-03 16:13:30.000
Measured Run End Time 2024-07-03 16:49:49.000
Measured Run Elapsed Time 2,178.975

Performance Metric (IoTps) 8,260,764.81



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Performance Run Report (Run1)

TPCx-IoT Performance Metric (IoTps) Report

Test Run1 details Total Time For Warmup Run In Seconds = 2,109.933
Test Run1 details Total Time In Seconds = 2,071.376
Total Number of Records = 18,000,000,000

TPCx-IoT Performance Metric (IoTps): 8,689,875.72

Repeatability Run Report (Run2)

Test Run2 details Total Time For Warmup Run In Seconds = 1,976.523
Test Run2 details Total Time In Seconds = 2,178.975
Total Number of Records = 18,000,000,000

TPCx-IoT Performance Metric (IoTps): 8,260,764.81



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Revision History

Date	Edition	Description
July 24, 2024	First	Initial Publication