

# **TencentDB for MongoDB**

## **General Reference**

### **Product Documentation**



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## Performance Data

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## Testing Tool

[Yahoo! Cloud Serving Benchmark](#)

## Testing Method

1. A single data entry is 1 KB in size.
2. Import up to 80% of the instance capacity. For example, if the instance capacity is 100 GB, import 80 GB of data into the instance.
3. Perform 50% read and 50% update operations to get the QPS (queries per second) data.
4. As performance varies by scenario, please select instances with appropriate specifications according to your business requirements and the test data.

## Performance Data of High IO Instances

CPU	MEM	QPS
1 core	2 GB	3,000
2 cores	4 GB	5,000
2 cores	6 GB	6,000
4 cores	8 GB	9,000
4 cores	12 GB	14,000
6 cores	16 GB	20,000
10 cores	24 GB	25,000
12 cores	32 GB	27,000
18 cores	48 GB	30,000

CPU	MEM	QPS
24 cores	64 GB	33,000

## Performance Data of Ten-Gigabit High IO Instances

CPU	MEM	Number of Collections	Number of Documents per Collection	Test Dataset (GB)	Runtime (s)	Data Sampling Interval (s)	Average QPS (Rounded)
2 cores	4 GB	2	100 million	79	1,800	10	5,000
4 cores	8 GB	3	100 million	118	1,800	10	9,000
6 cores	16 GB	6	100 million	237	1,800	10	20,000
12 cores	32 GB	6	200 million	426	1,800	10	27,000
24 cores	64 GB	15	200 million	1,161	1,800	10	33,000
24 cores	128 GB	30	200 million	2,317	1,800	10	36,000
32 cores	240 GB	40	200 million	3,031	1,800	10	39,000