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Basic Building Blocks for Modern System Design

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Introduction to Building Blocks

Domain Name System

Load balancers

Cache

Databases

Key-value Store

Content Delivery Network (CDN)

Sequencer

Distributed Monitoring

Distributed Cache

Distributed Messaging Queue

Pub-sub

Rate Limiter

Blob Store

Distributed Search

Distributed Task Scheduler

Sharded Counters

- ① System Design: The Sharded Counters
- High-level Design of Sharded Counters
- Detailed Design of Sharded Counters

Conclusion

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Quiz on the Sharded Counters' Design

Test your understanding of the concepts related to the sharded counters via a quiz.

1

What kind of problem would occur if our system created a counter with a few shards for a post from a user with one million followers?

Reset Quiz

Question 1 of 3

0 attempted

Submit Answer

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Detailed Design of Sharded Counters

Next

Final Remarks

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