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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

- ① System Design: The Rate Limiter
- Requirements of a Rate Limiter’s Design
- Design of a Rate Limiter
- Rate Limiter Algorithms

Quiz on the Rate Limiter’s Design

Blob Store

Distributed Search

Distributed Task Scheduler

Sharded Counters

Conclusion

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Quiz on the Rate Limiter’s Design

Test your knowledge of concepts related to rate-limiting.

1

Which of the following algorithms is used to smooth spikes in incoming requests at the edge of the window?

Reset Quiz

Question 1 of 4

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Submit Answer

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Rate Limiter Algorithms

Next

System Design: A Blob Store

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