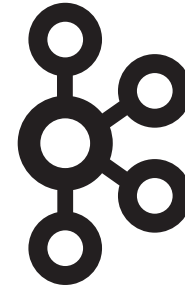




Build your own Kafka

Learn about TCP servers, the Kafka wire protocol and more.



Resume Building




This challenge is free to try when it's in beta. We keep challenges in beta for a few weeks to gather feedback.

Apache Kafka is a distributed event streaming platform often used for high-performance data pipelines. In this challenge, you'll build your own Kafka broker that's capable of serving basic requests.

Along the way you'll learn about TCP servers, the Kafka wire protocol and more.

Stages

 Bind to a port

EASY

 Send Correlation ID

EASY

 Parse Correlation ID

MEDIUM

 Parse API Version

MEDIUM



>- Handle APIVersions requests

HARD

Concurrent Clients

>- Serial requests

MEDIUM

>- Concurrent requests

HARD

Listing Partitions

>- Include DescribeTopicPartitions in APIVersions

MEDIUM

>- List for an unknown topic

MEDIUM

>- List for a single partition

HARD

>- List for multiple partitions

HARD

>- List for multiple topics

HARD

Consuming Messages

>- Include Fetch in APIVersions

MEDIUM

>- Fetch with no topics

MEDIUM

>- Fetch with an unknown topic

MEDIUM

>- Fetch with an empty topic

HARD

>- Fetch single message from disk

HARD

>- Fetch multiple messages from disk

HARD

There are few sites I like as much that have a step by step guide. The real-time

I think the instant feedback right there in the git push is really cool. Didn't even

“ feedback is so good, it's creepy!



Ananthalakshmi Sankar

Automation Engineer at Apple

“ know that was possible!



Patrick Burris

Senior Software Developer, CenturyLink



Programming challenges for seasoned developers.



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