

Kinesis Data Streams



- Billing is per shard provisioned, can have as many shards as you want
- Retention between 1 day (default) to 365 days
- Ability to reprocess (replay) data
- Once data is inserted in Kinesis, it can't be deleted (immutability)
- Data that shares the same partition goes to the same shard (ordering)
- Producers: AWS SDK, Kinesis Producer Library (KPL), Kinesis Agent
- Consumers:
 - Write your own: Kinesis Client Library (KCL), AWS SDK
 - Managed: AWS Lambda, Kinesis Data Firehose, Kinesis Data Analytics,