Kinesis Data Streams

Applications

Client

SDK, KPL

Kinesis Agent

Producers

Record
| Partition Key |
| Data Blob (up to 1 MB) |

1 MB/sec
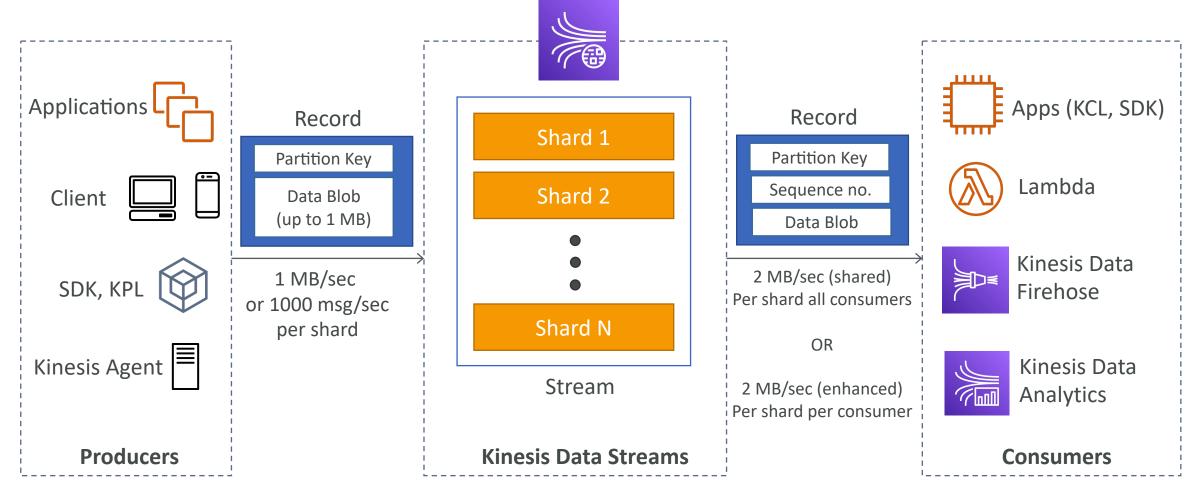or 1000 msg/sec
per shard

Shard 1

Shard 2

●
●
●

Shard N

Stream

Kinesis Data Streams

Can scale # of shards

Record
| Partition Key |
| Sequence no. |
| Data Blob |

2 MB/sec (shared)
Per shard all consumers

OR

2 MB/sec (enhanced)
Per shard per consumer

Apps (KCL, SDK)

Lambda

Kinesis Data Firehose

Kinesis Data Analytics

Consumers