

Service Summary Cards (SSC)

Reference:

[Overview](#)

Category:

Analytics



Amazon Kinesis

What?

- Amazon Kinesis makes it easy to collect, process, and analyze real-time, streaming data.
- Amazon Kinesis capabilities - Amazon Kinesis Data Streams, Amazon Kinesis Data Firehose, Amazon Kinesis Data Analytics and Kinesis Video Streams.

Why?

- Amazon Kinesis enables you to process and analyze data as it arrives and respond instantly.
- It can handle any amount of streaming data and process data from hundreds of thousands of sources with very low latencies.

When?

- When you want to ingest real-time data such as video, audio, application logs, website clickstreams, and IoT telemetry data for machine learning, analytics, and other applications.

Where?

- Amazon Kinesis is a Regional service.
- Kinesis Data Streams synchronously replicates data across three Availability Zones, providing high availability and data durability.

Who?

- Amazon Kinesis is fully managed and runs your streaming applications without requiring you to manage any infrastructure.

How?

- You can ingest streaming data using Kinesis Data Streams, process it using Kinesis Data Analytics using SQL or Apache Flink.
- Using Amazon Kinesis Data Firehose you can capture, transform, and load data streams into AWS data stores for near real-time analytics with existing business intelligence tools.

How much?

- Amazon Kinesis Data Streams - on-demand and provisioned—and both come with specific billing options.
- Amazon Kinesis Data Firehose - you pay for the volume of data you ingest into the service.
- Amazon Kinesis Data Analytics - hourly rate based on the number of Kinesis Processing Units (or KPIUs) used.

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