

Amazon Kinesis

Collect, process, and analyze real-time video and data streams

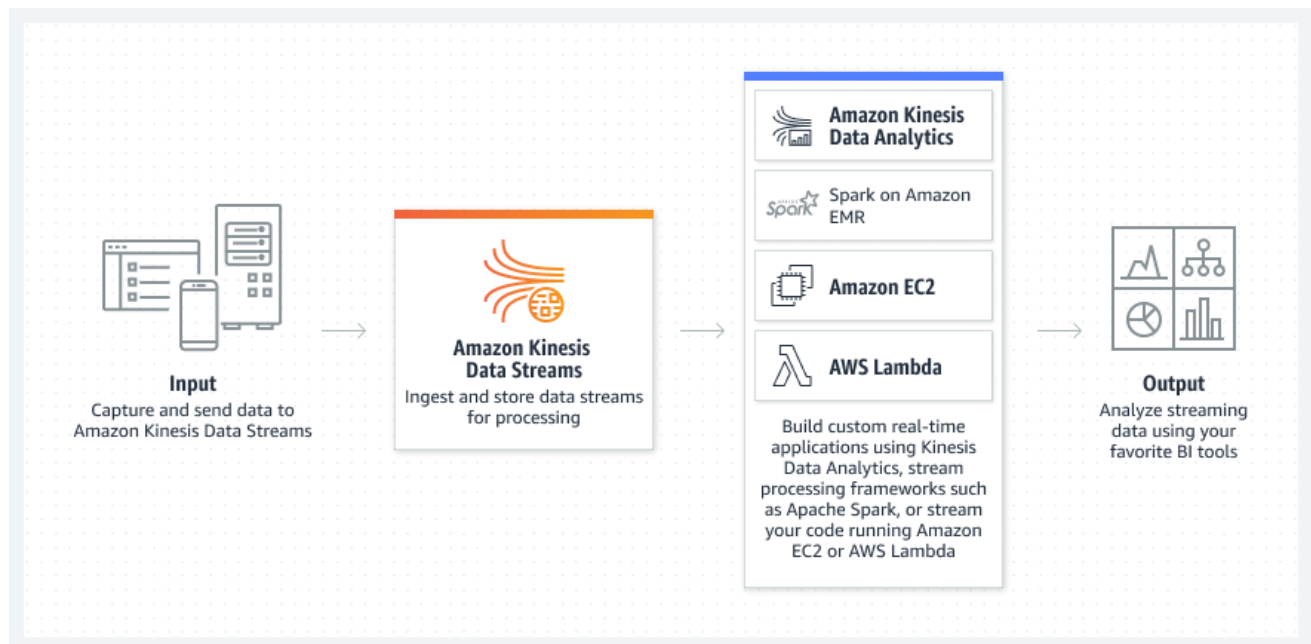
Amazon Kinesis helps you process and analyze streaming data. You can collect data in real time from clickstreams, application logs, social media, and other sources.

After collecting and processing data, Amazon Kinesis can send the data to dashboards, generate alerts, dynamically change pricing and advertising strategies, or send the data to a variety of other AWS services.

Concepts

- **Producer:** A source that produces data.
- **Consumer:** A location that is being used for storing data that comes from Amazon Kinesis Data Streams. This can be a data lake, a data warehouse, a database, or another service that stores streamed data.
- **Data stream:** A set of data records.
- **Data record:** A unit of data received by a Kinesis data stream.

How it Works



Use Cases

Log and data processing

Process data that comes directly from data producers.

Create real-time Applications

Build apps for application monitoring, fraud detection, and live leaderboards.

Complex Streaming

Create applications that process and merge data from multiple applications.

IoT Analysis

Monitor data from sensors and IoT devices to receive alerts about operating thresholds.

Real Time Analytics

Analyze data from dashboards and applications in real-time..