aws Invent

G P S C T 4 0 2

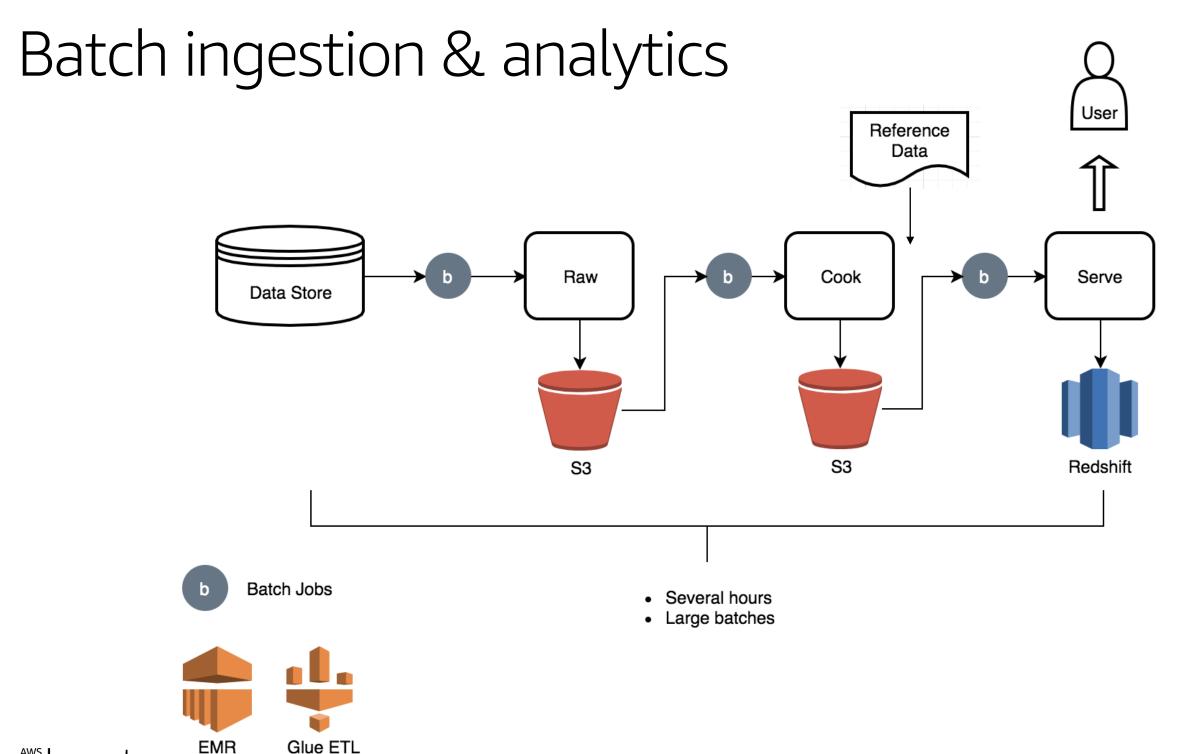
Keeping the Pace with Data Ingestion

Paul Sears
Partner Solutions Architect
Amazon Web Services

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Partner Solutions Architect
Amazon Web Services

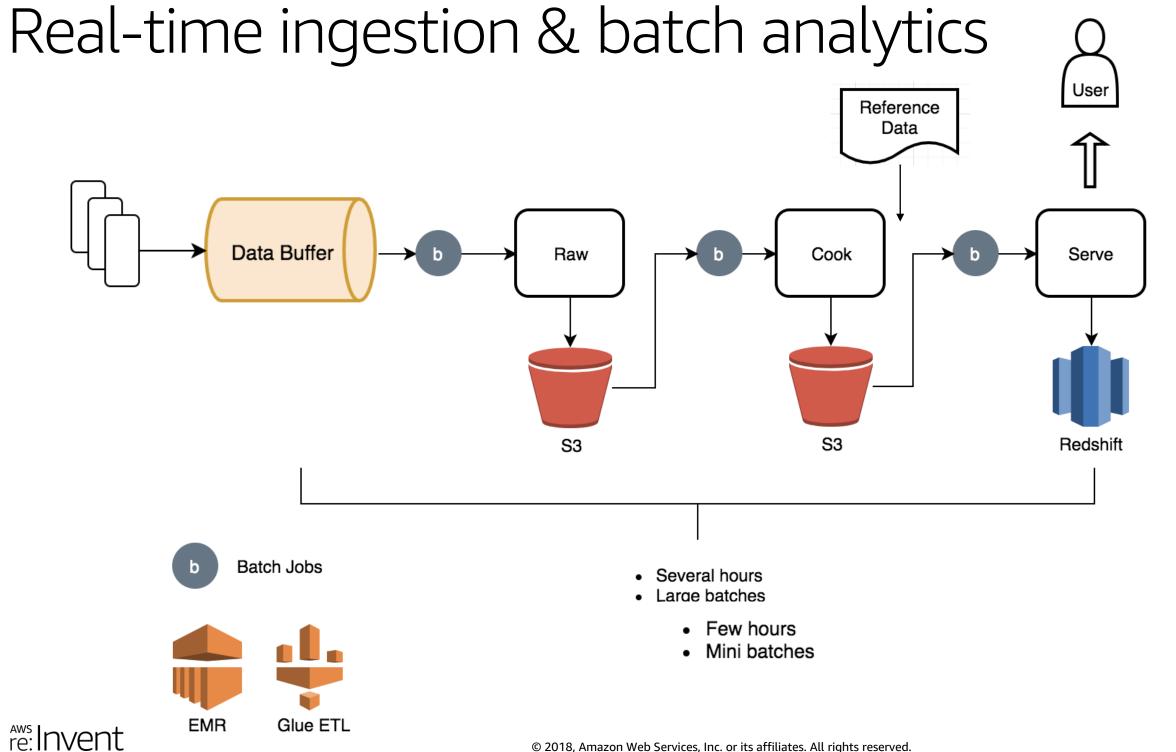














value = data









Decision windows are shrinking

Hourly server logs -> Real-time metrics

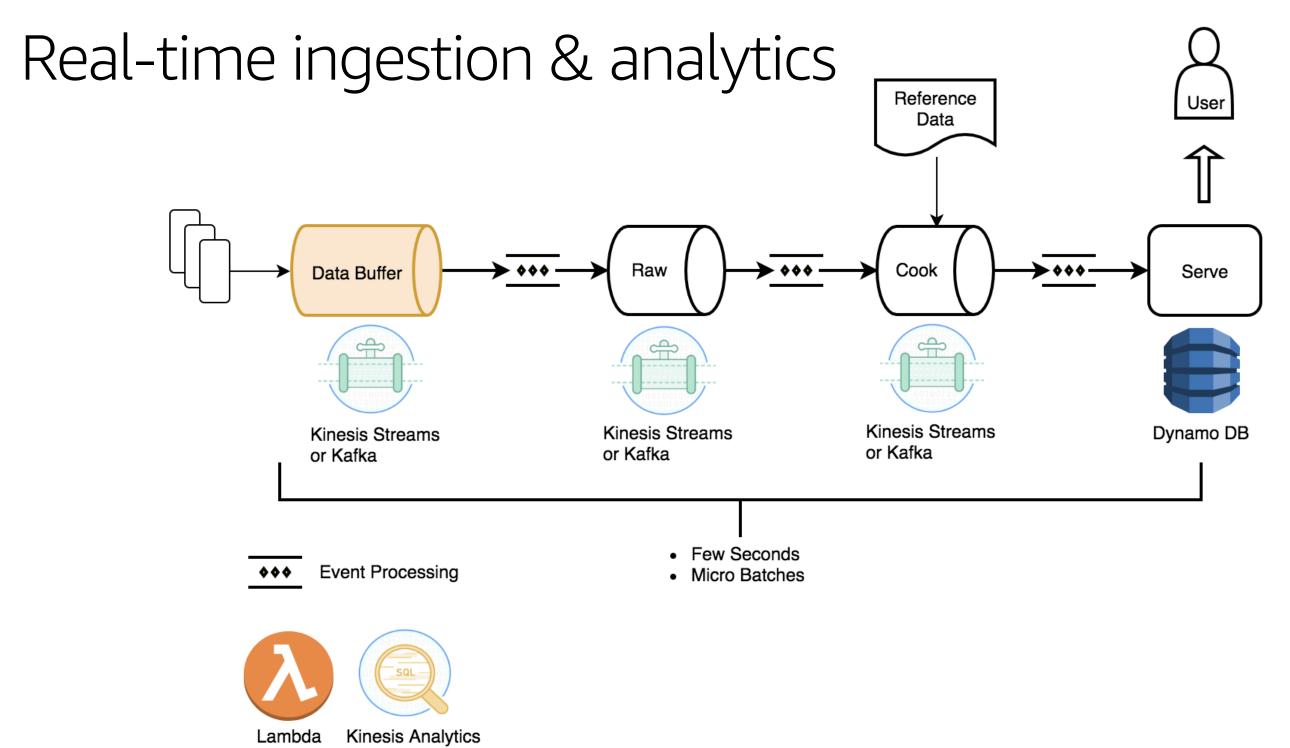
Weekly or monthly bills -> Real-time spending alerts

Daily website clickstream -> Real-time clickstream analysis

Daily fraud reports -> Real-time detection



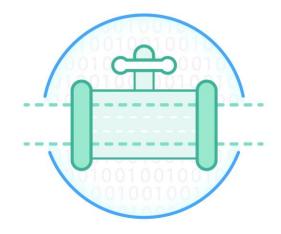








Amazon Kinesis



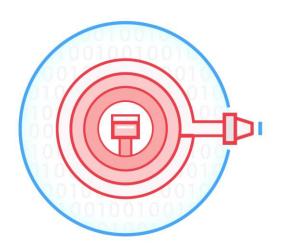
Amazon Kinesis Data Streams

Build custom applications that process and analyze streaming data



Amazon Kinesis Data Analytics

Easily process and analyze streaming data with standard SQL



Amazon Kinesis Data Firehose

Easily load streaming data into AWS





Simple pattern for streaming data

Data producer

Continuously creates data

Continuously writes data to a stream

Can be almost anything

Streaming service

Durably stores data

Provides temporary buffer that preps data

Supports very highthroughput

Data consumer

Continuously processes data

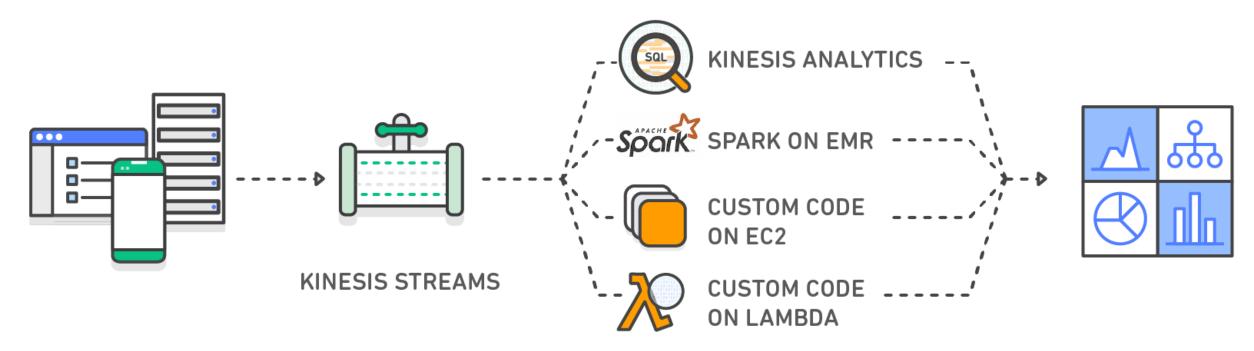
Cleans, prepares, & aggregates

Transforms data to information





Amazon Kinesis Data Streams



Capture and send data to Kinesis Streams

Build custom, real-time applications using Kinesis Analytics, stream processing frameworks like Apache Spark, or your code running on Amazon EC2 or AWS Lambda Load processed data to any data store, send real-time alerts, feed live dashboards, and more

- Easy administration and low cost
- Build real-time applications with framework of choice
- Secure, durable storage





Amazon Kinesis Data Analytics



Capture streaming data with Kinesis Streams or Kinesis Firehose Run standard SQL queries against data streams

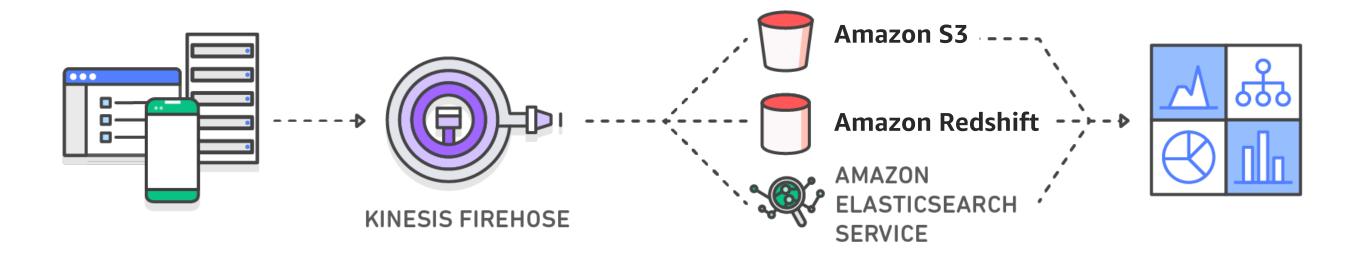
Kinesis Analytics can send processed data to analytics tools so you can create alerts and respond in real-time

- Powerful real-time applications
- Easy to use, fully managed
- Automatic elasticity





Amazon Kinesis Data Firehose



Capture and send data to Kinesis Firehose

Kinesis Firehose prepares and loads the data continuously to the destinations you chose from among S3, Redshift, Amazon Elasticsearch Service, and Kinesis Analytics

Analyze streaming data using your favorite BI tools

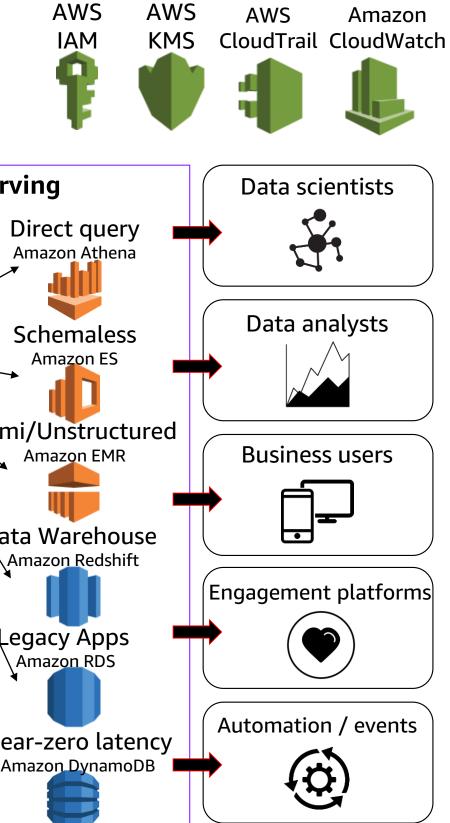
- Zero administration and seamless elasticity
- Direct-to-data store integration
- Serverless, continuous data transformations

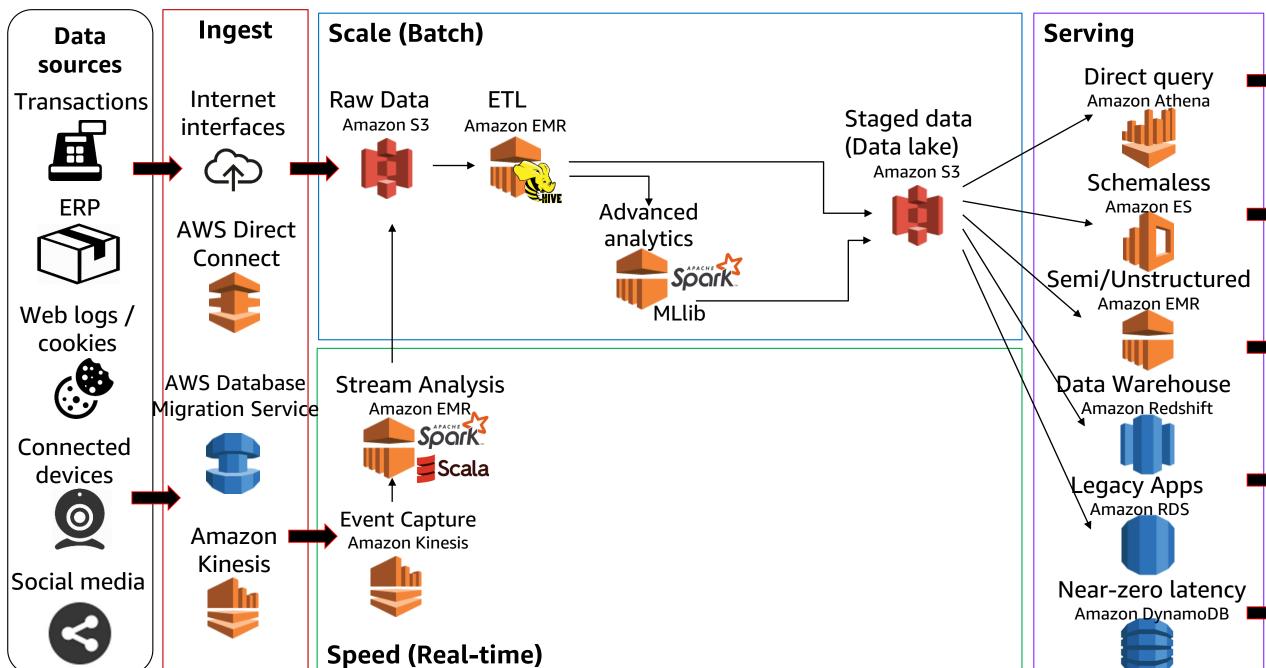




Modern data architecture (AWS)

Insights to enhance business applications, new digital services





Thank you!







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