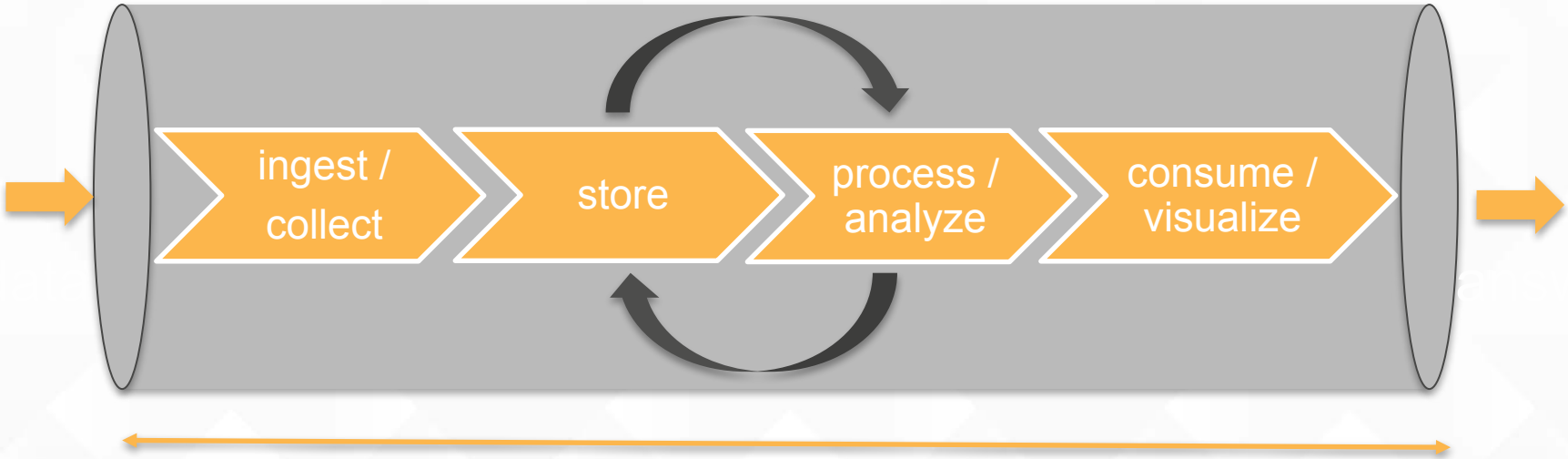
Simplify Big Data with AWS

© 2015, Amazon Web Services, Inc. or its Affiliates. All rights reserved.

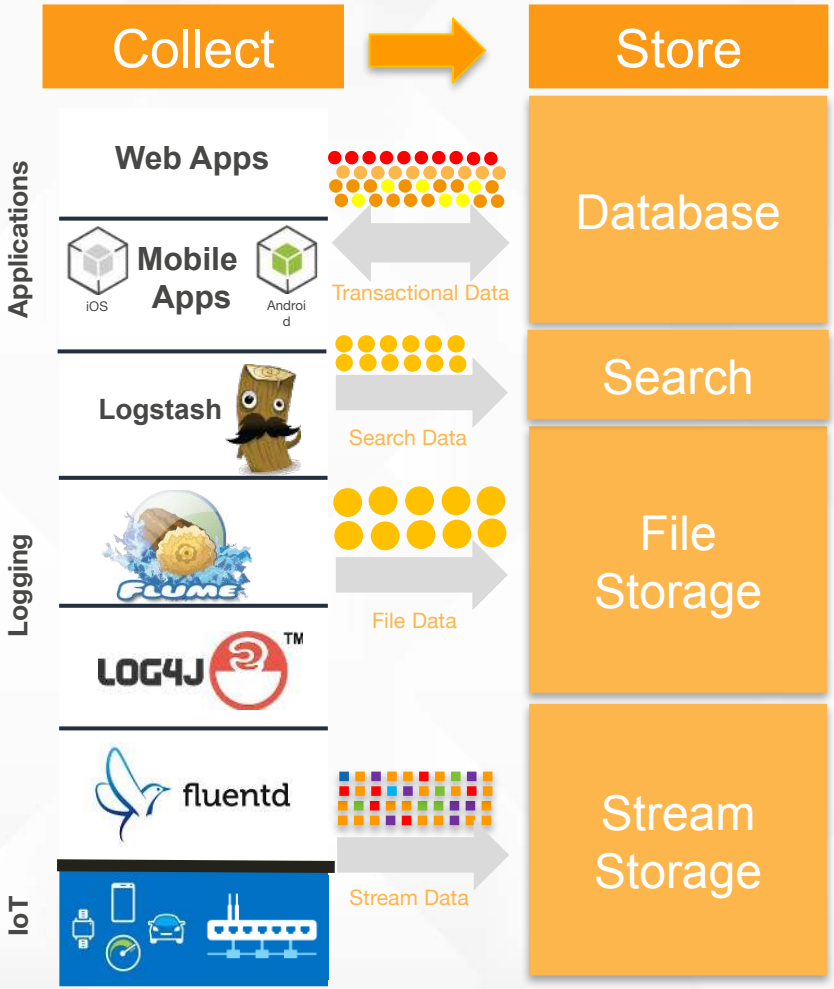
amazon web services

Simplify Big Data Processing



amazon web services

amazon
web services

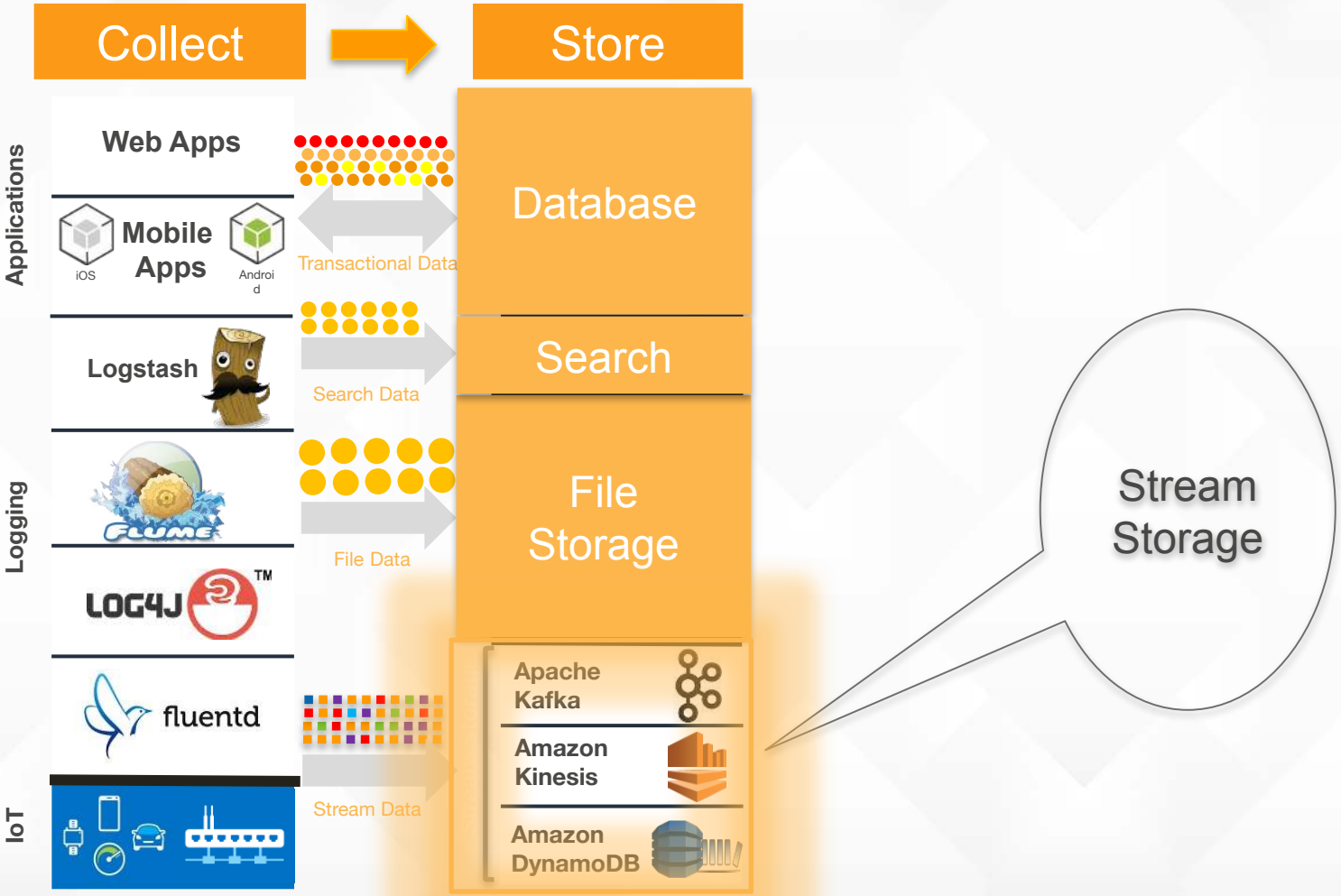


Types of Data

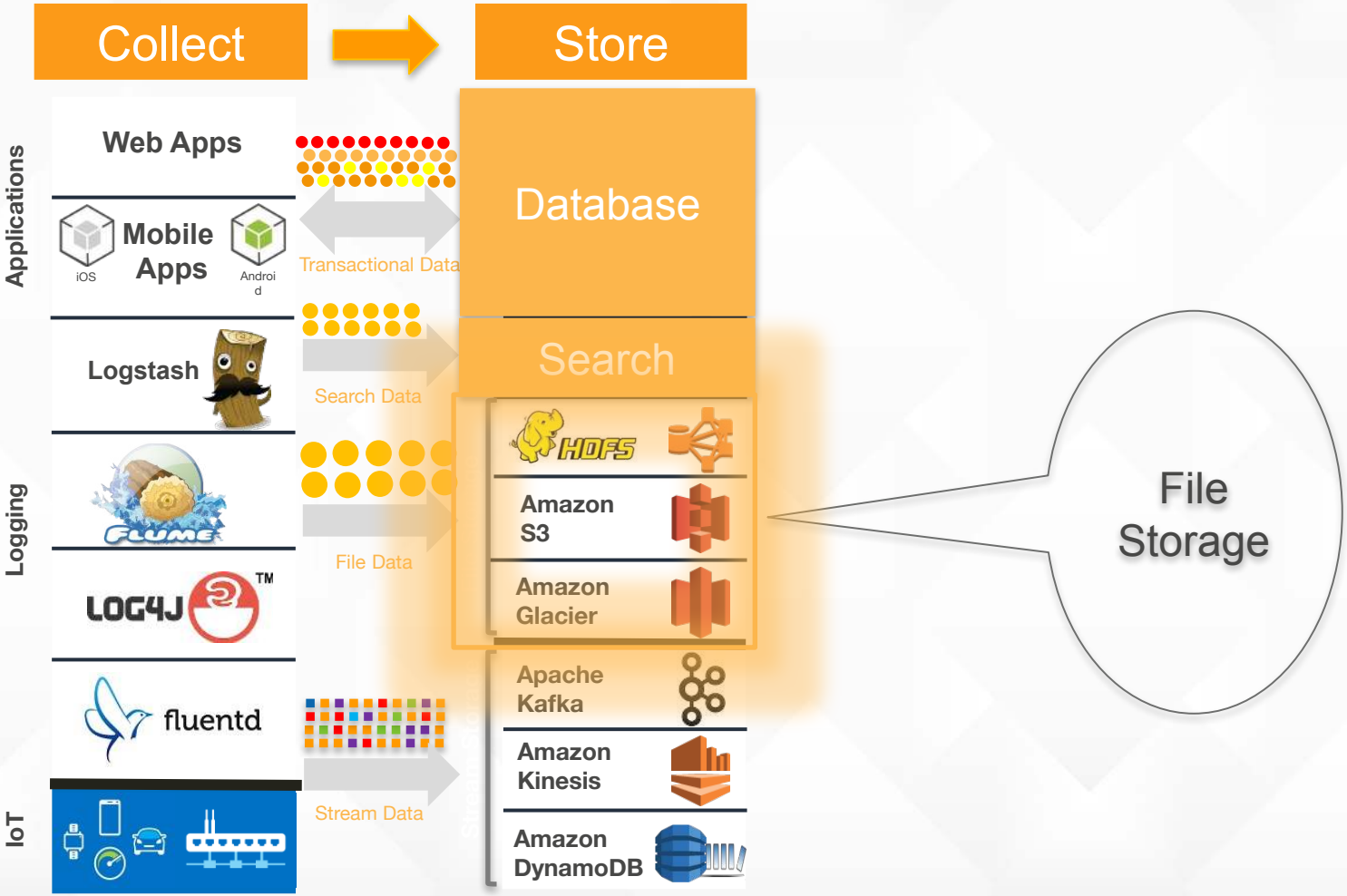
- Transactional
  - Database reads & writes (OLTP)
  - Cache
- Search
  - Logs
  - Streams
- File
  - Log files (/var/log)
  - Log collectors & frameworks
- Stream
  - Log records
  - Sensors & IoT data

amazon web services

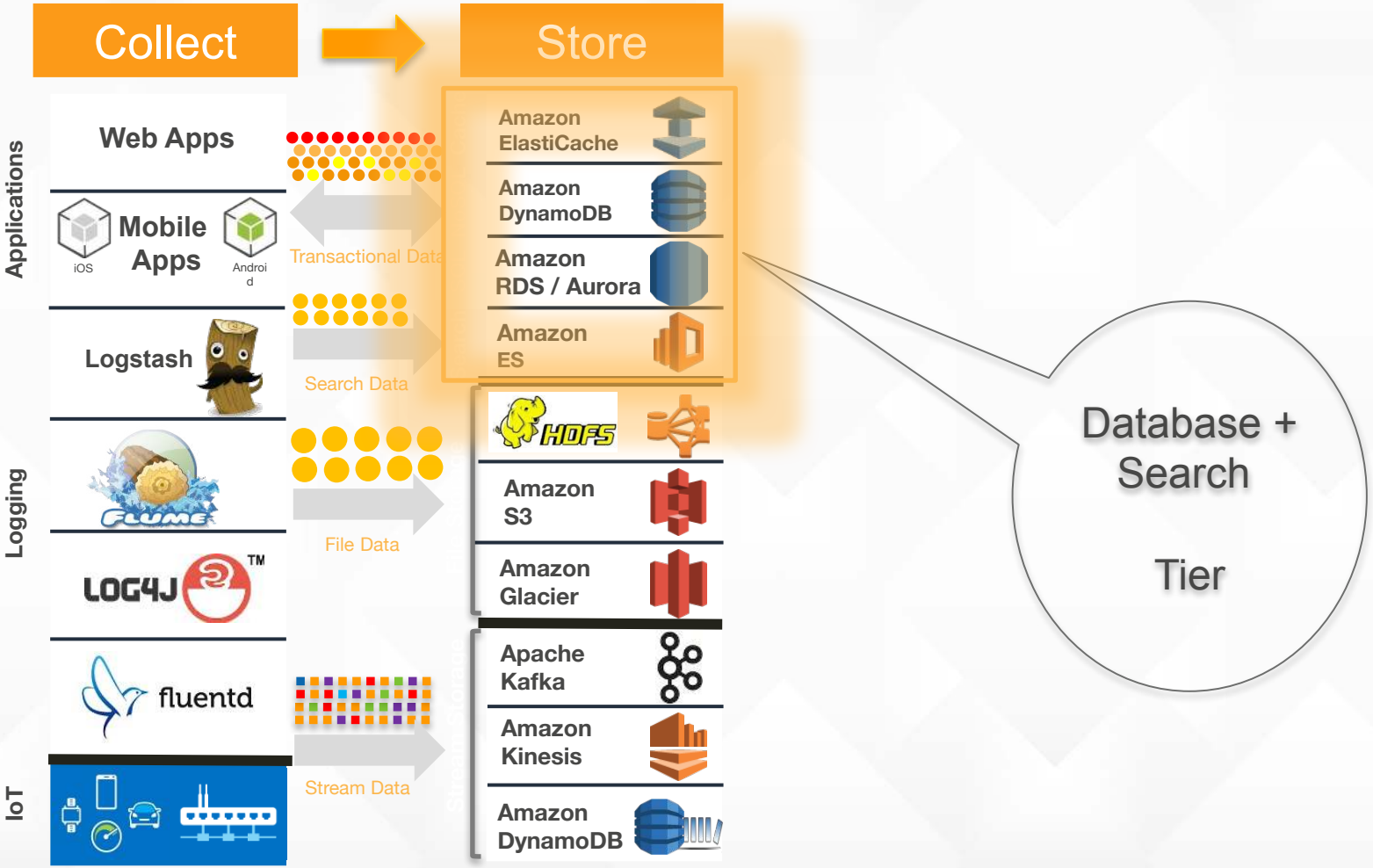
amazon web services



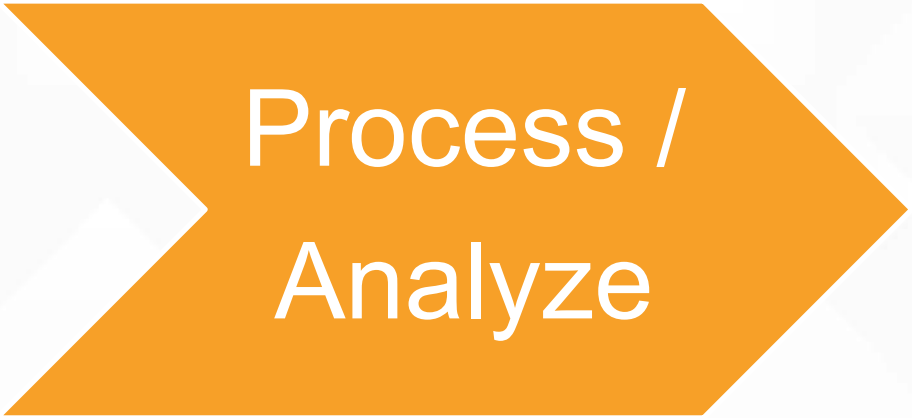
amazon web services



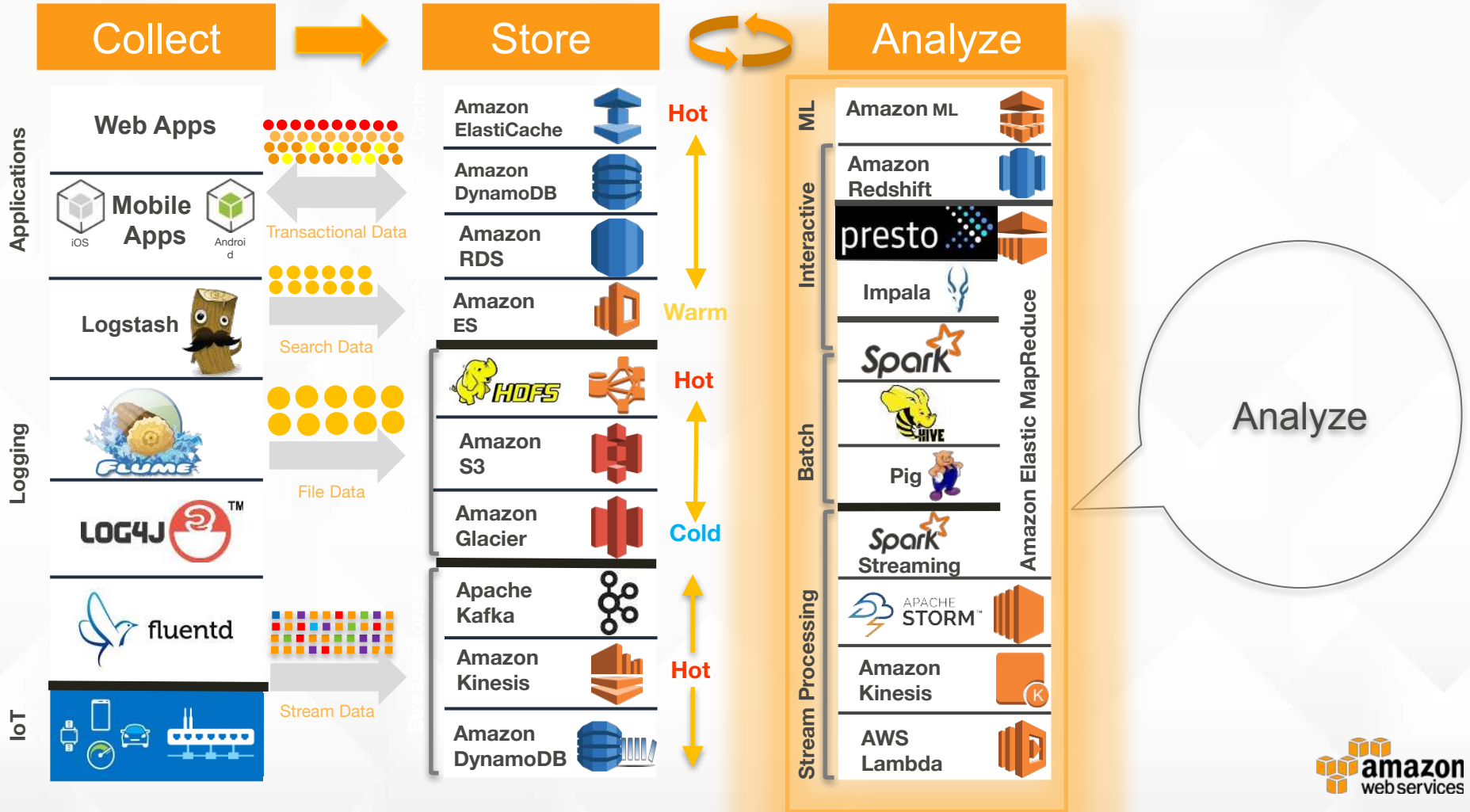
amazon web services



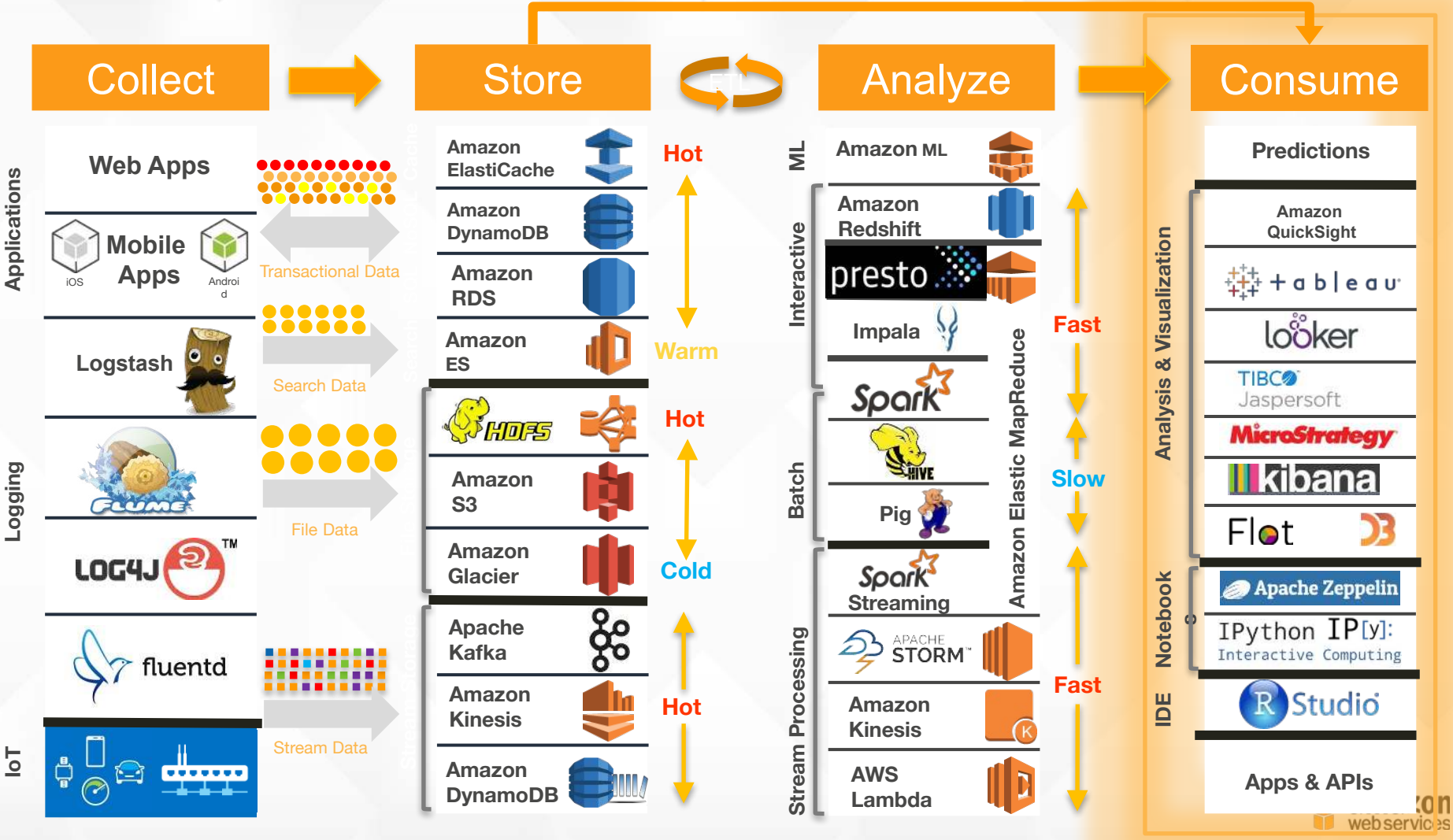
amazon web services



amazon
web services

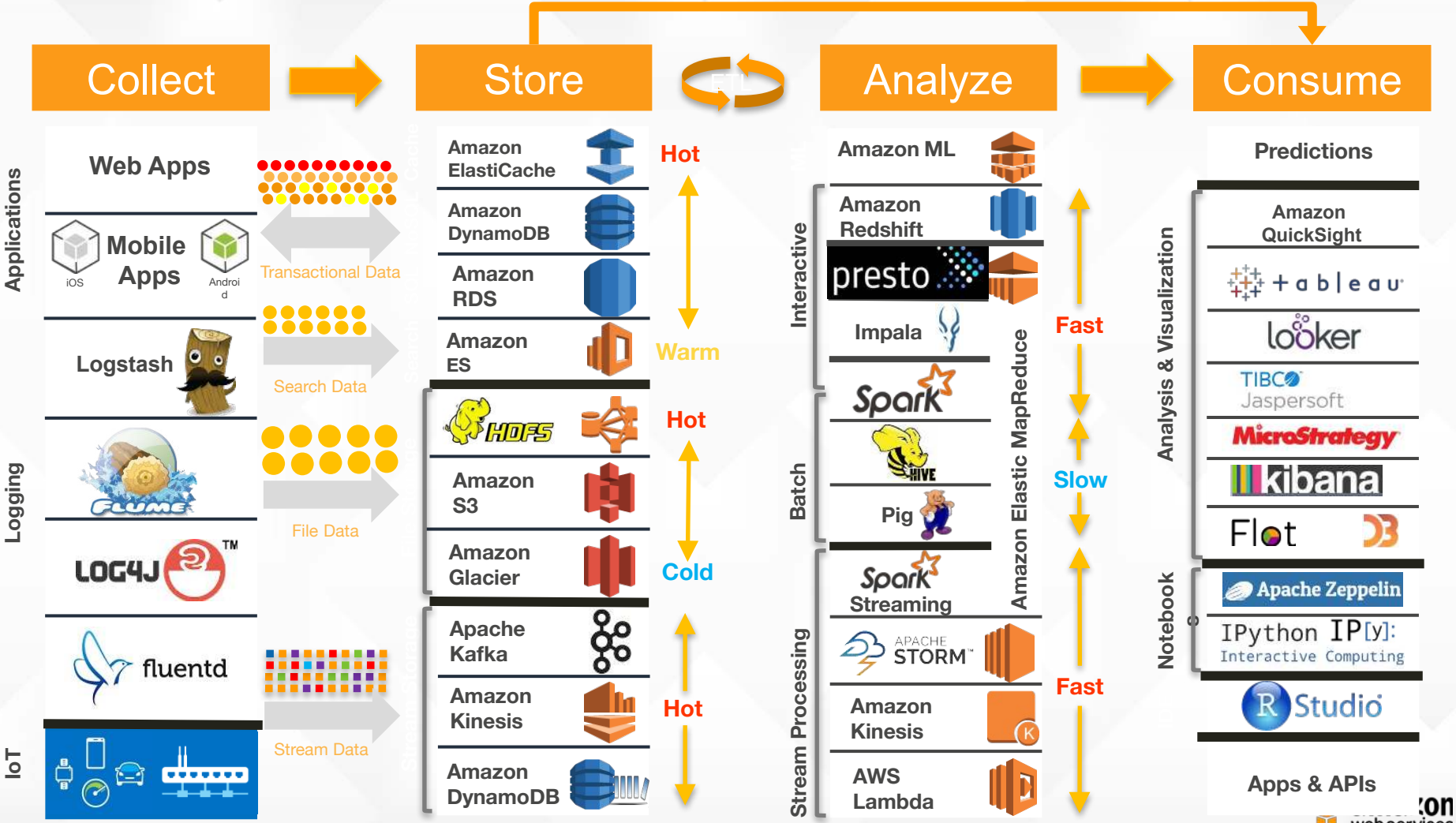

Collect
Store
Analyze
Applications
Logging
IoT
Web Apps
Mobile Apps
iOS
Android
Logstash
fluentd
Transactional Data
Search Data
File Data
Stream Data
Amazon ElastiCache
Amazon DynamoDB
Amazon RDS
Amazon ES
HDFS
Amazon S3
Amazon Glacier
Apache Kafka
Amazon Kinesis
Amazon DynamoDB
Hot
Warm
Hot
Cold
Hot
ML
Amazon ML
Interactive
Amazon Redshift
presto
Impala
Batch
Spark
HIVE
Pig
Stream Processing
Spark Streaming
APACHE STORM
Amazon Kinesis
AWS Lambda
Amazon Elastic MapReduce
Analyze
amazon web services

amazon
web services


Collect
Store
ETL
Analyze
Consume
Applications
Web Apps
Mobile Apps
iOS
Android
Logging
Logstash
Flume
LOG4J
fluentd
IoT
Transactional Data
Search Data
File Data
Stream Data
Amazon ElastiCache
Amazon DynamoDB
Amazon RDS
Amazon ES
HDFS
Amazon S3
Amazon Glacier
Apache Kafka
Amazon Kinesis
Amazon DynamoDB
Hot
Warm
Hot
Cold
Hot
ML
Amazon ML
Interactive
Amazon Redshift
presto
Impala
Batch
Spark
Hive
Pig
Amazon Elastic MapReduce
Stream Processing
Spark Streaming
APACHE STORM
Amazon Kinesis
AWS Lambda
Fast
Slow
Fast
Predictions
Analysis & Visualization
Amazon QuickSight
tableau
looker
TIBCO Jaspersoft
MicroStrategy
kibana
Flot
Notebook
Apache Zeppelin
IPython IP[y]: Interactive Computing
IDE
RStudio
Apps & APIs
web services

Putting It All Together

amazon web services


Collect
Store
ETL
Analyze
Consume
Applications
Web Apps
Mobile Apps
iOS
Android
Transactional Data
Logging
Logstash
Search Data
FLUME
File Data
LOG4J
fluentd
IoT
Stream Data
Amazon ElastiCache
Amazon DynamoDB
Amazon RDS
Amazon ES
Hot
Warm
HDFS
Amazon S3
Amazon Glacier
Hot
Cold
Apache Kafka
Amazon Kinesis
Amazon DynamoDB
Hot
Amazon ML
Amazon Redshift
presto
Impala
Spark
HIVE
Pig
Spark Streaming
APACHE STORM
Amazon Kinesis
AWS Lambda
Interactive
Batch
Stream Processing
Amazon Elastic MapReduce
Fast
Slow
Fast
Predictions
Amazon QuickSight
tableau
looker
TIBCO Jaspersoft
MicroStrategy
kibana
Flot
Apache Zeppelin
IPython IP[y]: Interactive Computing
RStudio
Analysis & Visualization
Notebook
Apps & APIs
web services

Summary

Use the right tool for the job

Leverage AWS managed services

Be cost conscious : Big data ≠ big cost

amazon web services

Case study : Prezi

Prezi

Presentation software (SaaS), 60 million users

RedShift

DynamoDB

RDS

ElastiCache

EMR

“With AWS, we don’t have to do any maintenance, and our databases automatically scale to fit our needs.

“Easy access to data has changed our thinking. It has made our business infinitely better.”

Andras Balogh, Senior Lead Analyst

amazon web services

Case study : Supercell

Mobile gaming, tens of millions of users

45 billion events and 10 TB of data every day

“We don’t have to worry about being able to manage our infrastructure to match our growth — AWS tools make it easy for us.”

Sami Yliharju Services Lead

amazon web services

Case study : FINRA

Independent regulator for US equities and options trading

Over 10,000 EMR nodes to process 75 billion events daily

FINRA estimates it will save up to $20 million annually by using AWS instead of a physical data center infrastructure.

AWS User Groups

Lille
Paris
Rennes
Nantes
Lyon

facebook.com/groups/AWSFrance/

@aws_actus

Interested in starting a group? Talk to us!

amazon web services

Save the date : AWS Paris Summit, 31/05/2016

Upcoming events

AWSome Day

March 16, June 28, September 27, December 6

ioT world

March 23-24

DEVOXX France

April 20-22

dot Scale

April 25

sido
The Connected Business

April 6-7 (Lyon)

amazon web services

Thank you !

amazon web services