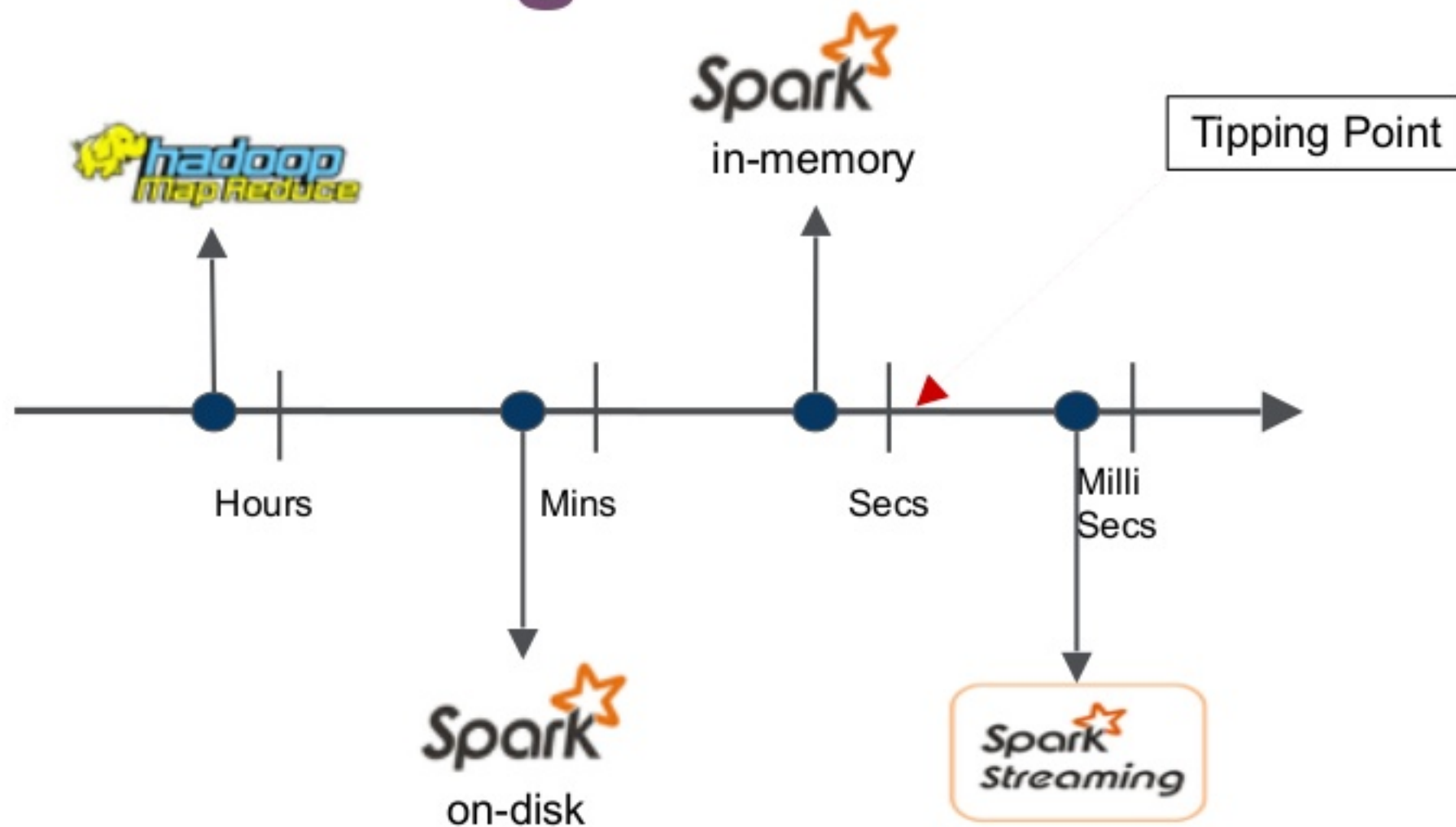


How Spark is Enabling the New Wave of Converged Applications

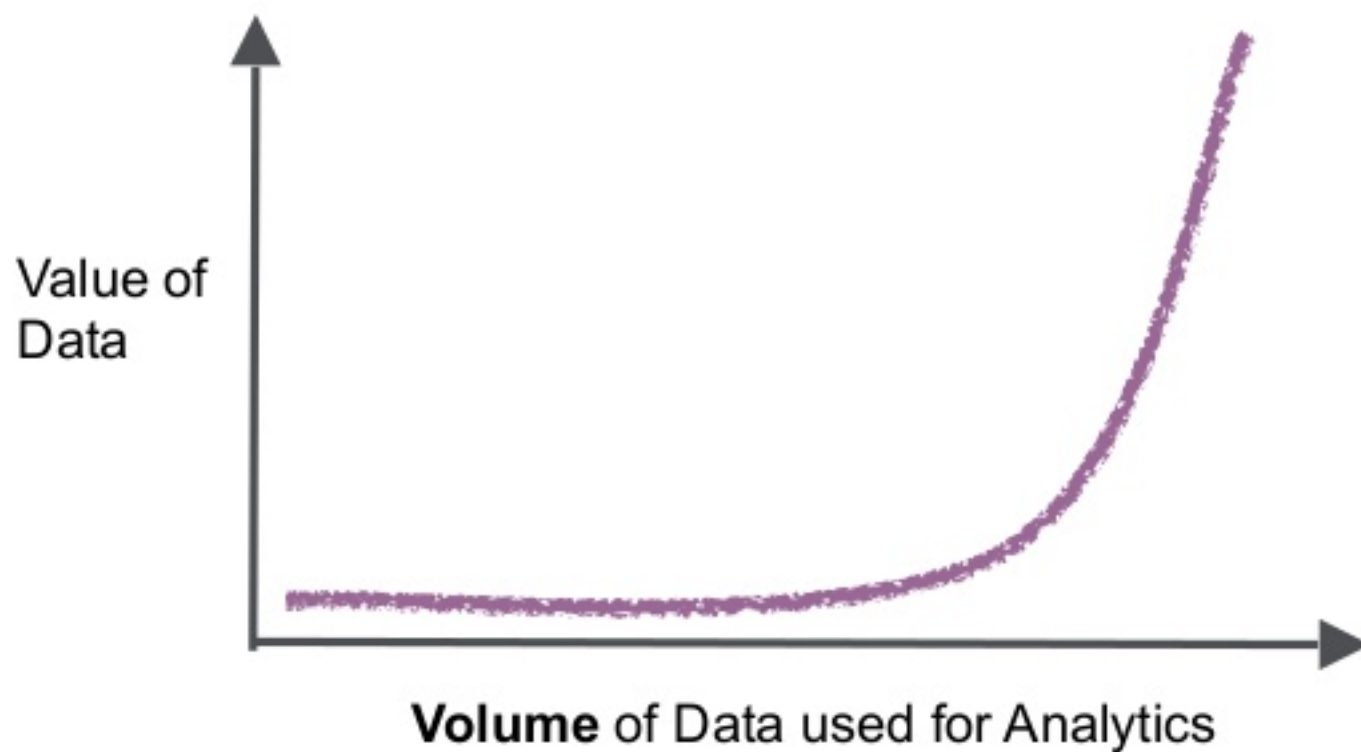
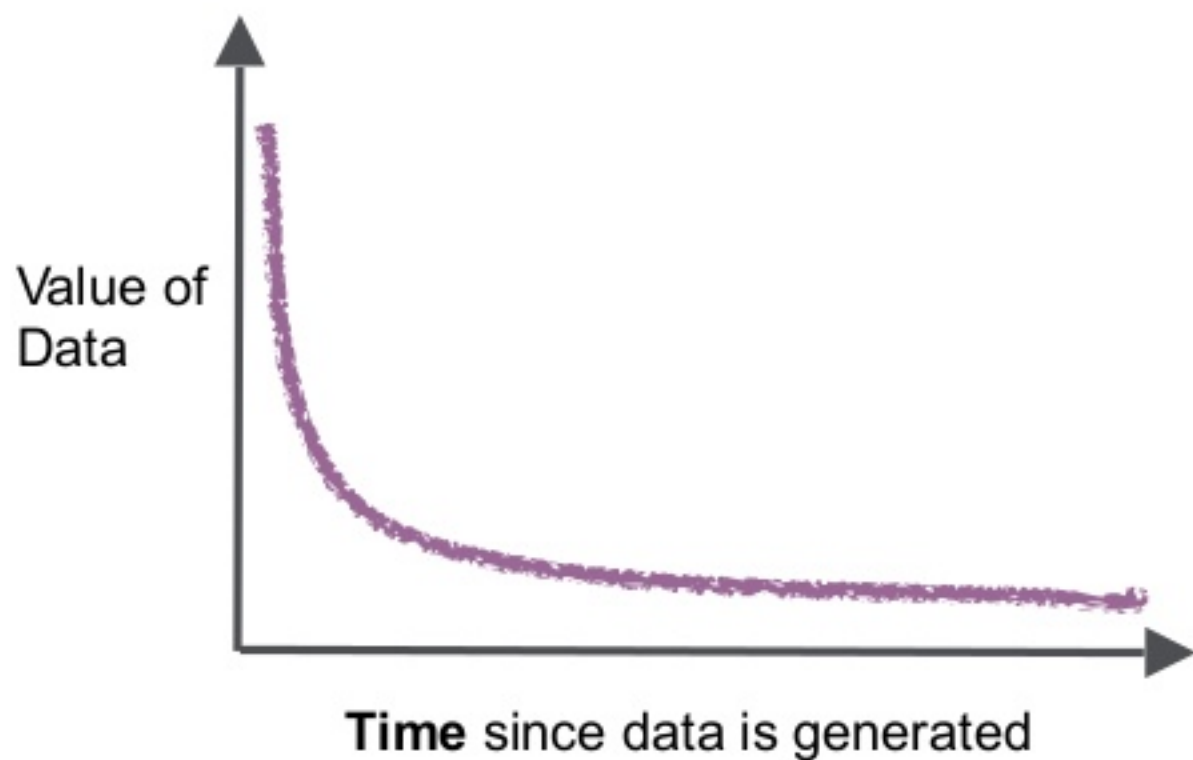
Tugdual Grall
MapR Technologies



Decreasing Job Latencies



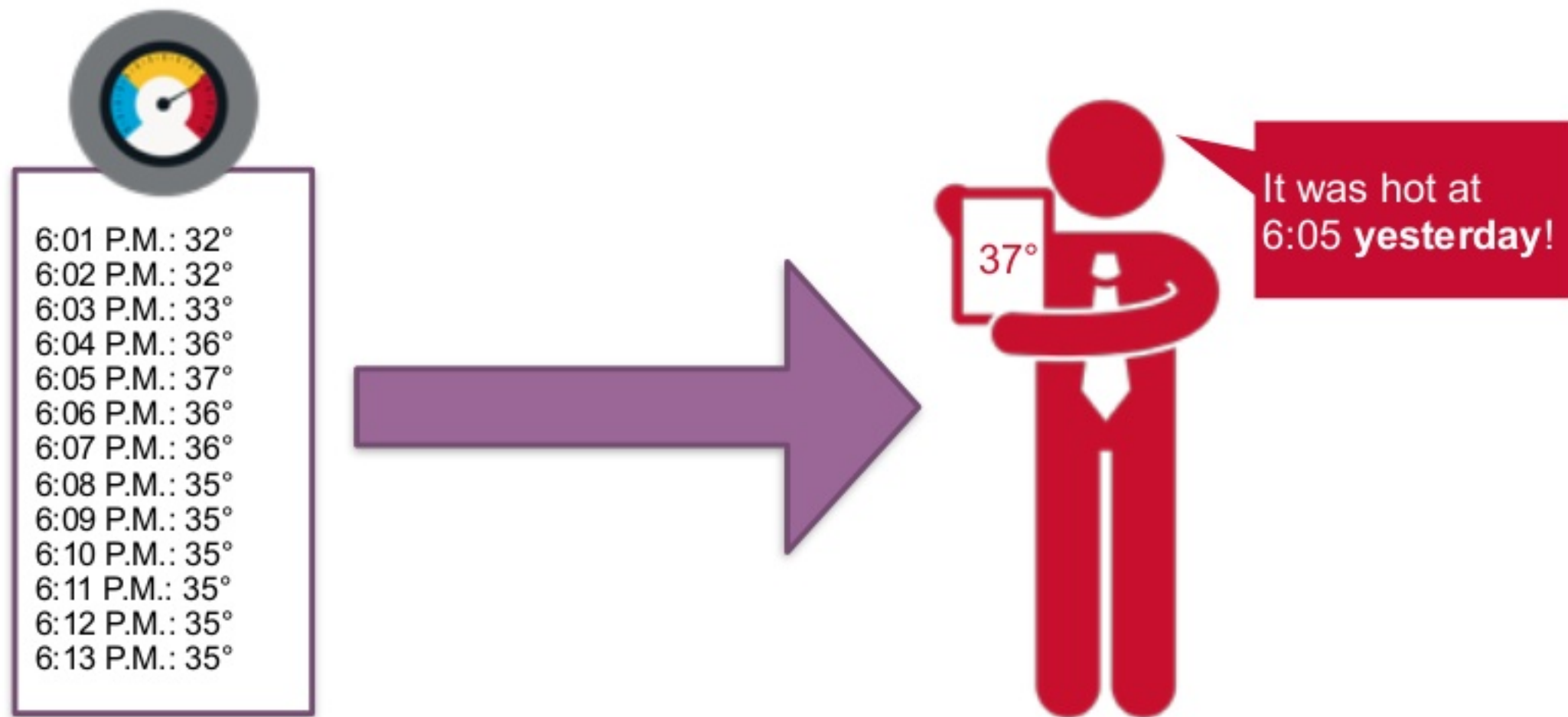
Analytics & ETL: Batch or Continuous ?



It's not an either or, **you have to do both**

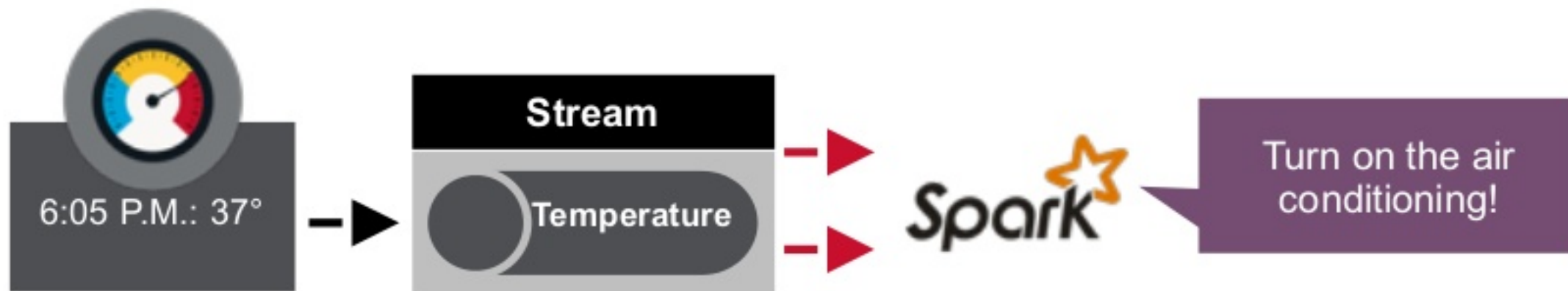
Why Stream Processing?

Batch processing may **be too late** for some events

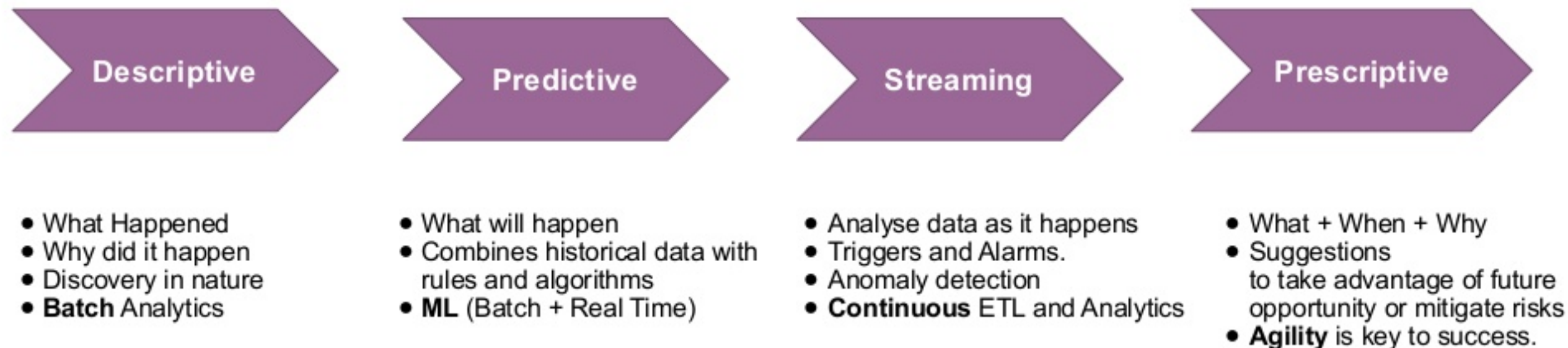


Why Stream Processing?

It's becoming important to **process events as they arrive**



Advanced Analytics



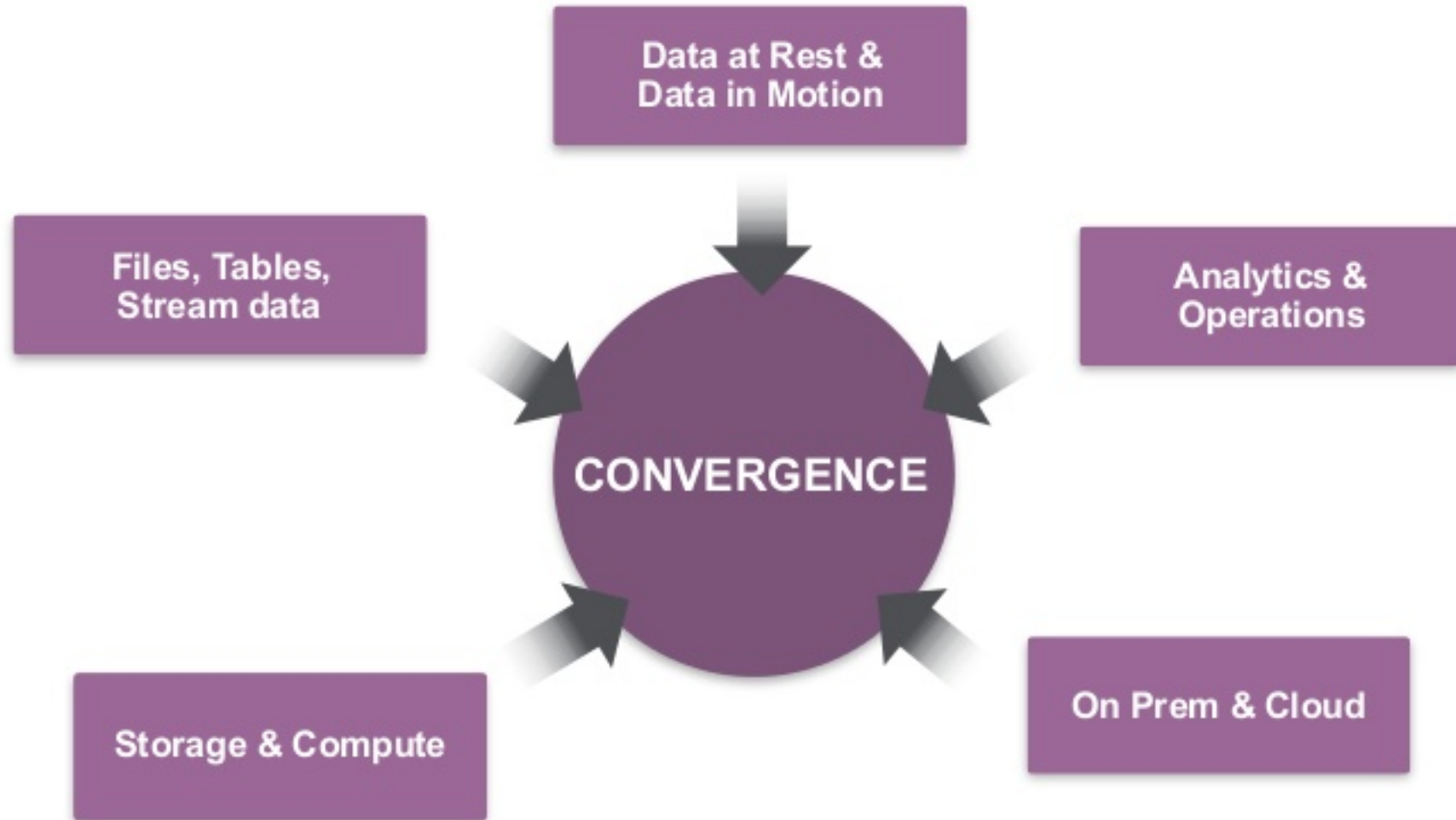
There is a need to **converged** these Analytics

Converged Computing

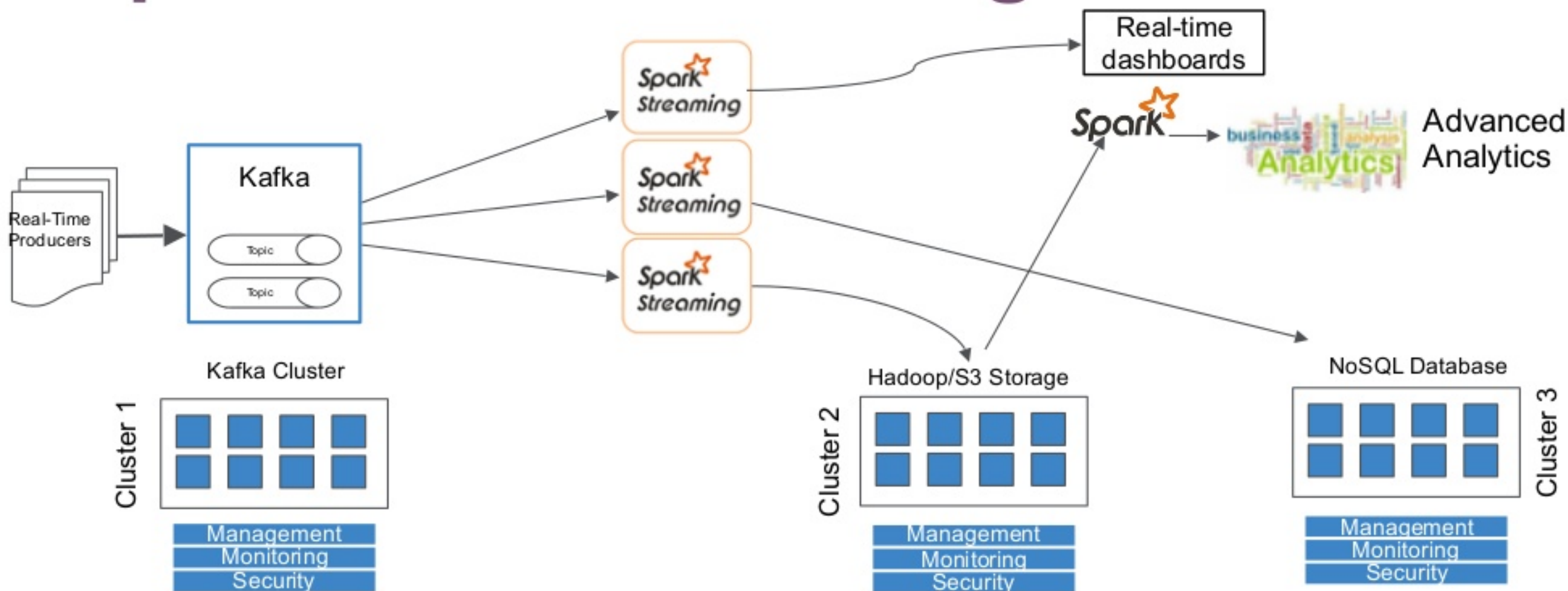
	Offline	Real Time
Programmatic	Spark & ML	Spark Streaming
SQL	Spark SQL	Spark Structured Streaming



The Many “Convergences” In Progress

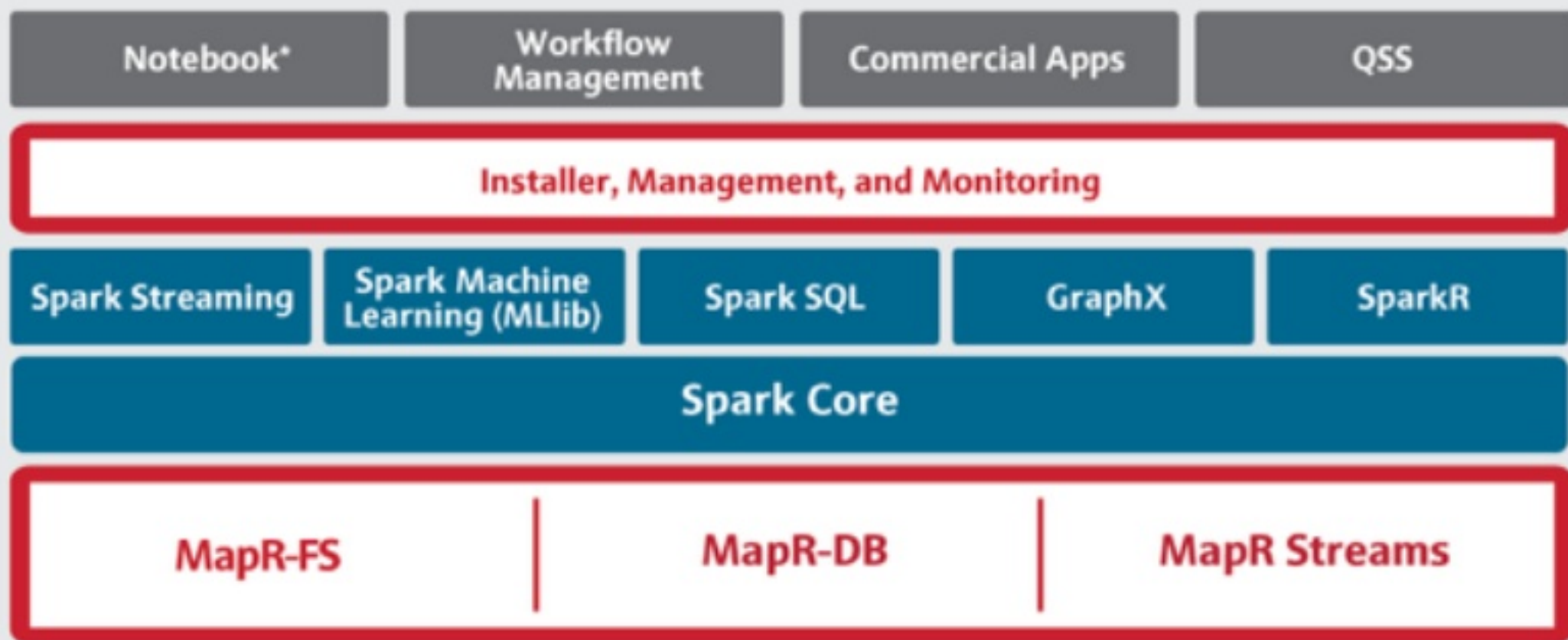


Spark on Non-Converged Platform



- Redundant 3x Management, Monitoring and Security
- Redundant 3x Data Storage

Converged Computing & Converged Data Management



MapR Converged Data Platform

Open Source Engines & Tools

Commercial Engines & Applications

Processing



Unified Management and Monitoring

Data

HDFS API

POSIX, NFS

HBase API

JSON API

Kafka API

Web-Scale Storage

MapR-FS

Database

MapR-DB

Event Streaming

MapR Streams

High Availability

Real Time

Unified Security

Multi-tenancy

Disaster Recovery

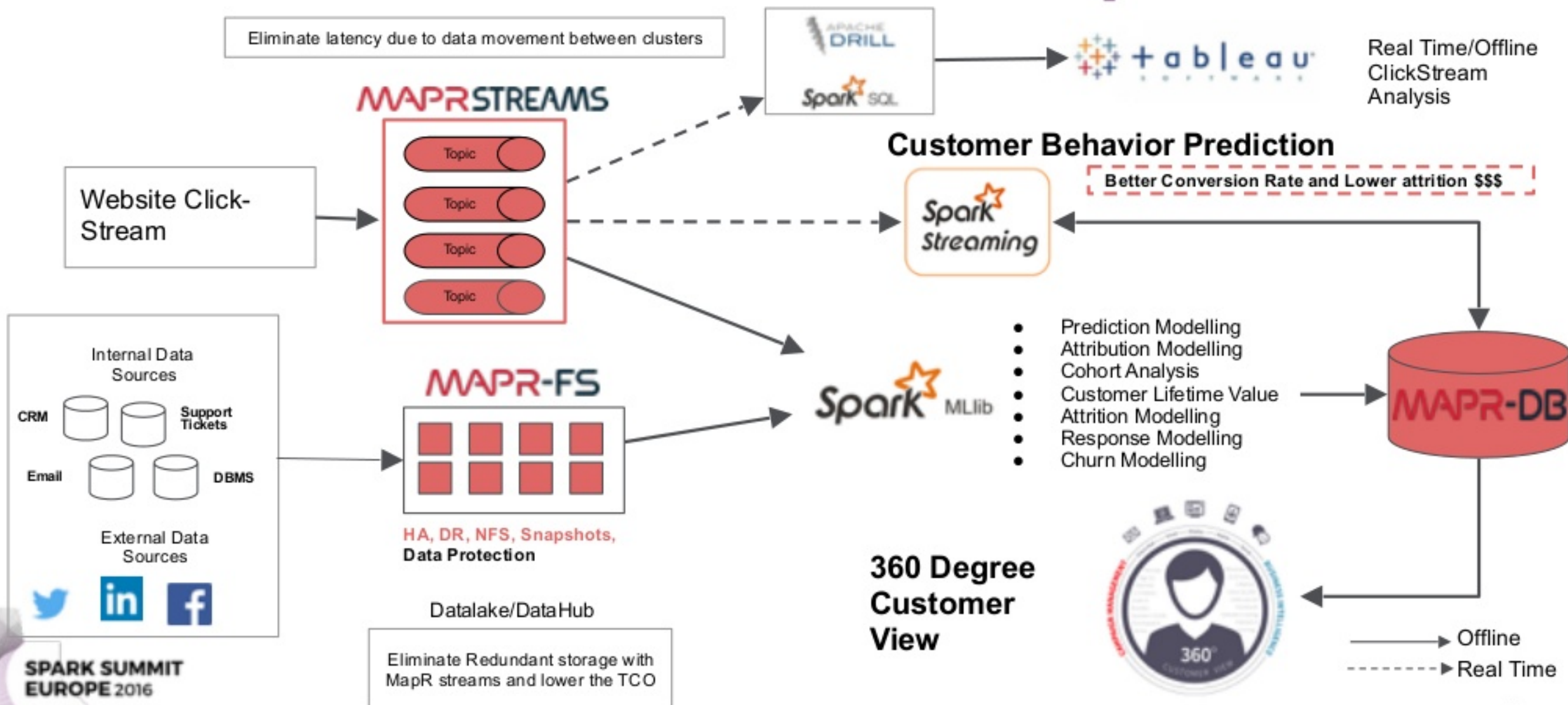
Global Namespace

Enterprise-Grade Platform Services

SAMPLE CUSTOMER USE CASE

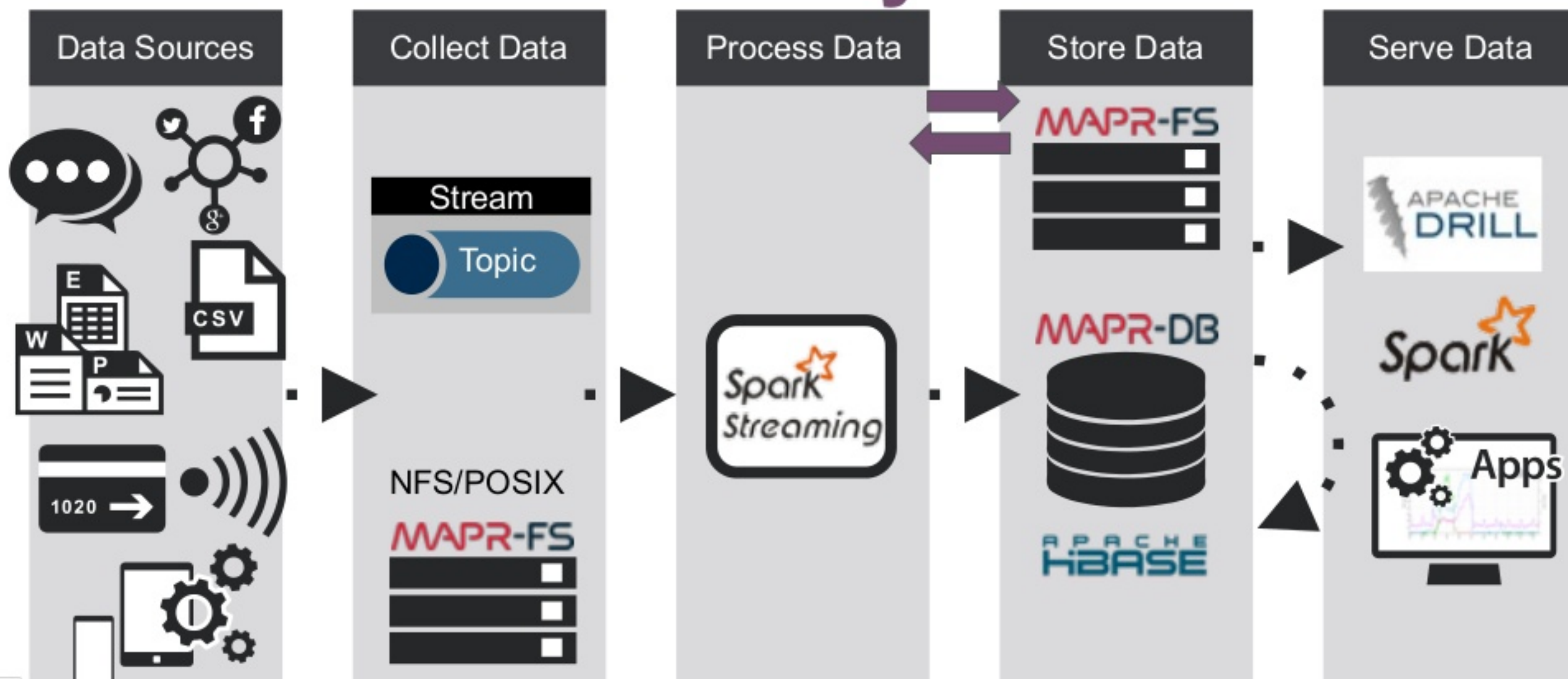
Customer 360 & Behavior prediction

Eliminate latency due to data movement between clusters

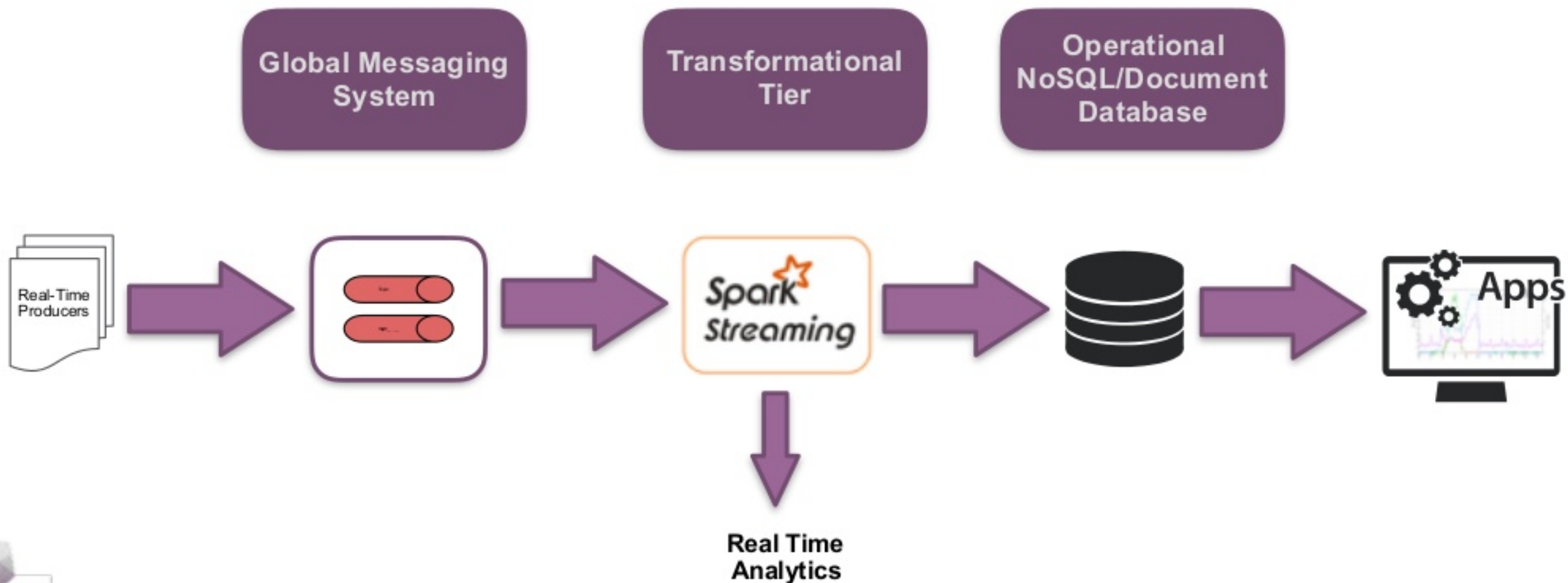


STREAMING FIRST ARCHITECTURE

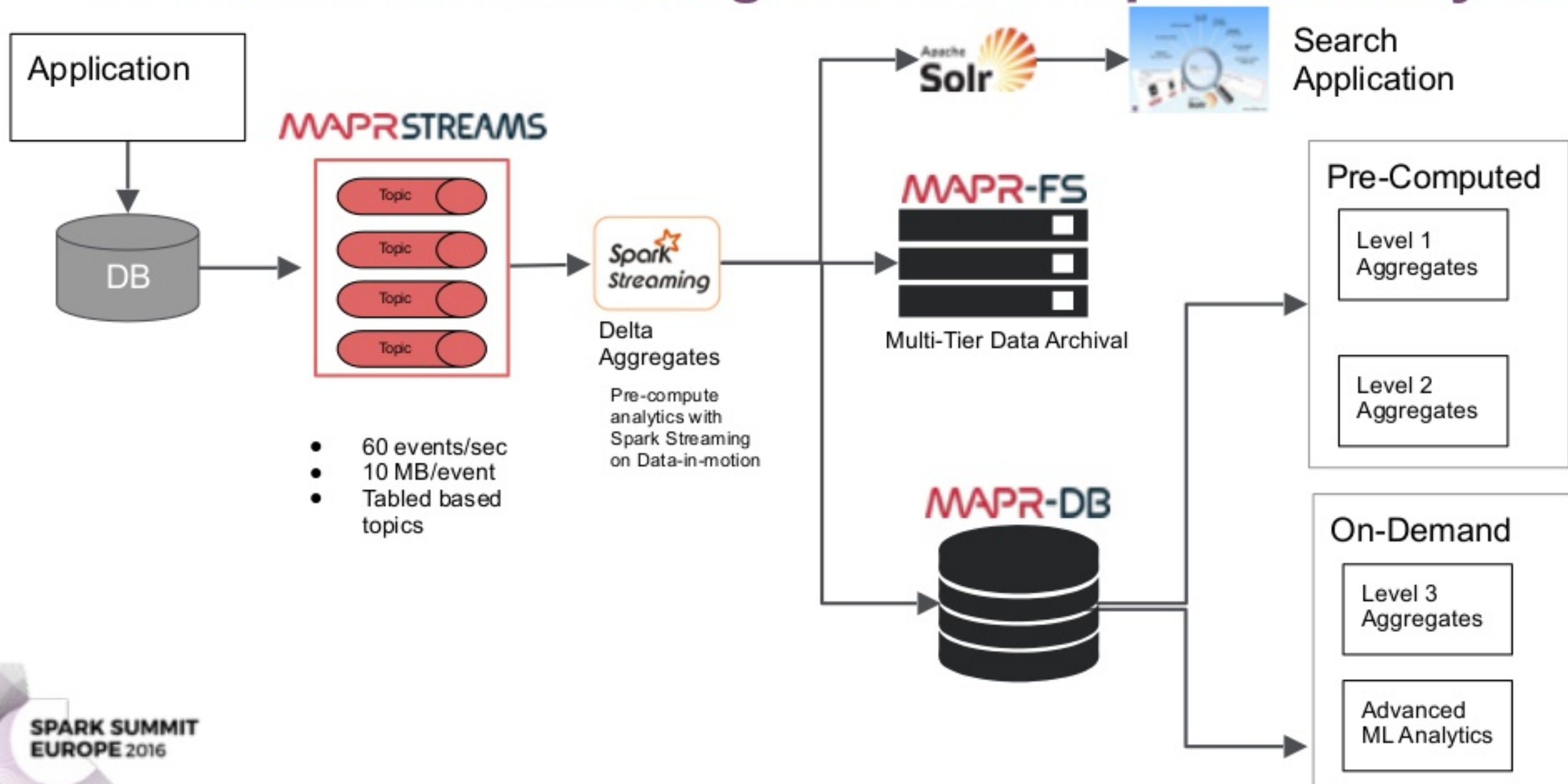
What Do We Exactly Need to Do ?



Trinity of Real Time



Continuous Streaming ETL & Computed Analytics



Q&A

Engage with us!

1. Read explanation of and Download code

- <https://www.mapr.com/blog/fast-scalable-streaming-applications-mapr-streams-spark-streaming-and-mapr-db>
- <https://www.mapr.com/blog/spark-streaming-hbase>

2. **Get Started:** MapR Converged Data Platform

<https://www.mapr.com/get-started-with-mapr>

3. **Get Answers:** MapR Converge Community

<https://community.mapr.com/community/answers>

4. **Get Trained:** MapR On-Demand Training

<https://learn.mapr.com>



DEV 360 - Apache Spark Essentials

FREE



DEV 361 - Build and Monitor
Apache Spark Applications

FREE



DEV 362 - Create Data Pipelines
Using Apache Spark

FREE

THANK YOU.

Contact information or call to action goes here.

