Deliverable D4.11

First version of single pass analytics over bounded data streams
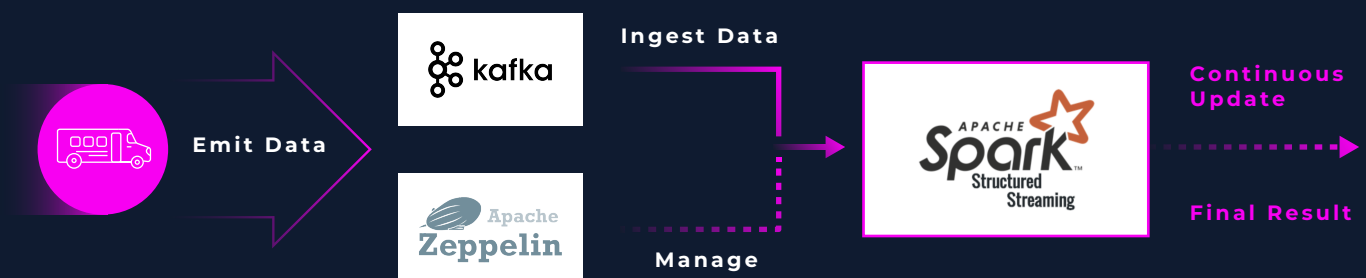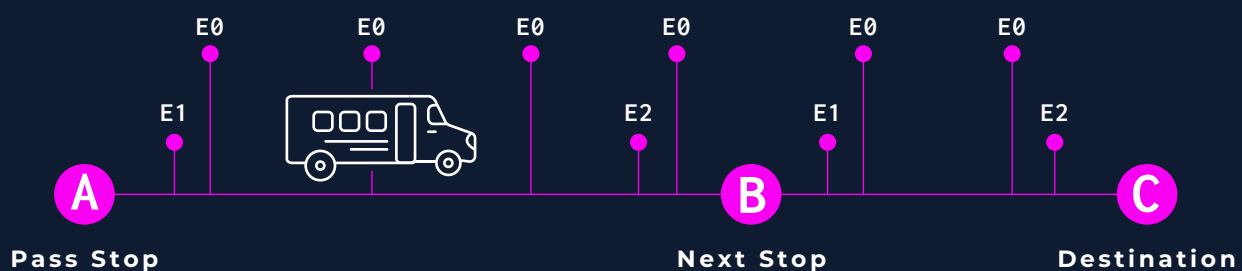
By: Antonis Papaioannou . FORTH

T4.6 TECHNICAL UPDATE

• Incremental one-pass analytics over bounded data streams

DEMAND FOR PROCESSING DATA THE MOMENT THEY ARRIVE IN REAL TIME

• Case in point: public bus transportation pilot

STREAMING ANALYTICS MICROSERVICE

- Delivered functional prototype based on Spark Structured Streaming

- Integrated with platform's ingestion service (Kafka)

- Fully exploiting scalability potential at EVOLVE platform

- Supporting service management through EVOLVE frontend (Zeppelin, dashboard)

Execution Time (sec)

	1	2	4	8

■ Cores per Executor

■ Executors no.