Real-Time Analytics at King

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Tracking Overview

- Game Server
- Statistics .log
- Hadoop Cluster
- Batch Processing
- Kafka
- Real-time Processing
- TRATT
- Nuevo
- rBEA
- Filtro
- Apache Flink
- ...
From streaming perspective...

30 billion events / day

Analytics/Processing applications

Terabytes of state
This is awesome, but...

Data scientists are not Java/Scala developers

Writing streaming applications is pretty hard

Running them is even harder...

We need a “turnkey” solution
The RBea platform

Powered by Apache Flink

Scripting on the live streams

Window aggregates

Stateful computations

Scalable + fault tolerant
Architecture overview

REST API

RBEA web frontend

Data Scientists

Libraries

python™

Events

Output

RBEA Scripts

Job Info

Events

kafka

MySQL

RocksDB

Closing

Good tracking and stream processing go hand-in-hand

We strive to build event driven systems

RBea makes streaming accessible to every data scientist at King

We leverage Flink’s capabilities to process billions of events every day
Thank you!