App

Kafka

Spark Streaming

Manage SparkStreaming Context

Windowed Data

Exception

ConvertData

WriteData

RunAnalytics

Spark

Manage Spark Context

Analytics Function Executor

Func1
Func2
FuncN

ReadData

UpdateData

CheckDataStorage

ManageDataStorage

AnalyticsEngine

Info. Interpreter

Communicator

Admin

Exception

ES

Alluxio

HDFS

* Unique , Filter , GroupBy 등 실질적인 분석 수행은 Func1.. FuncN 에서 이뤄짐

*alluxio://hostname:19998/base/path/20160701/w0000
*hdfs://hostname:9000/base/path/20160701/w0000

JSH