Batch Computation
Note Title

Streaming congulation
- Real time decision making
- Live analytics

Freshness

a: 0

stateful

a: 45

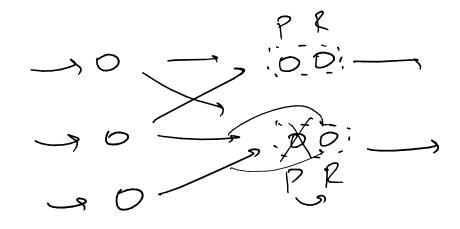
b: 39

Tokenizer Aggregator

(map)

(reducer)

Replicated state machines



ia: 153

ia: 42

ia: 42

uncorrelated

failure

pageViews ones DStream
DStream
DStream
Dinterval
[0, 1)
Interval
[1, 2)
Interv

Figure 3: Lineage graph for RDDs in the view count program. Each oval is an RDD, with partitions shown as circles. Each sequence of RDDs is a D-Stream.

Checkpoints

Synchronous Globel chedepoint

aable

baal

b=31

Flink Chandy-Lamport Algo

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