apache Ignite™

Data streaming using Apache Flink and Apache Ignite

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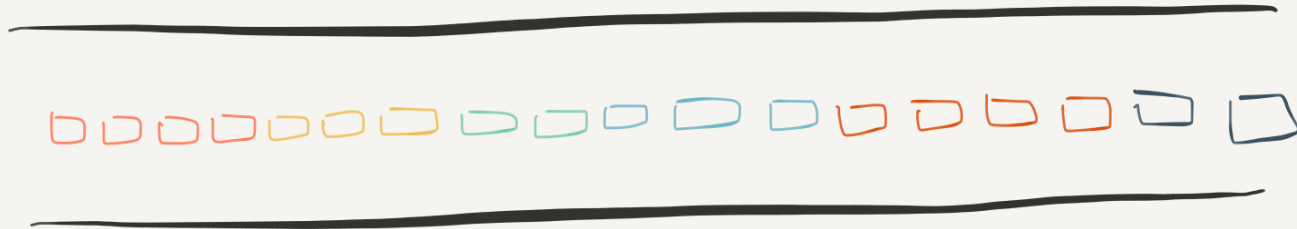
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What is Stream Processing?

Unbounded stream of data contrast to bounded dataset processed by batch processors.

Application events for example real time score for multiplayer game.

Stream processor process events as soon they arrives.

Why use stream processors?

Less latency compared to batch processors.
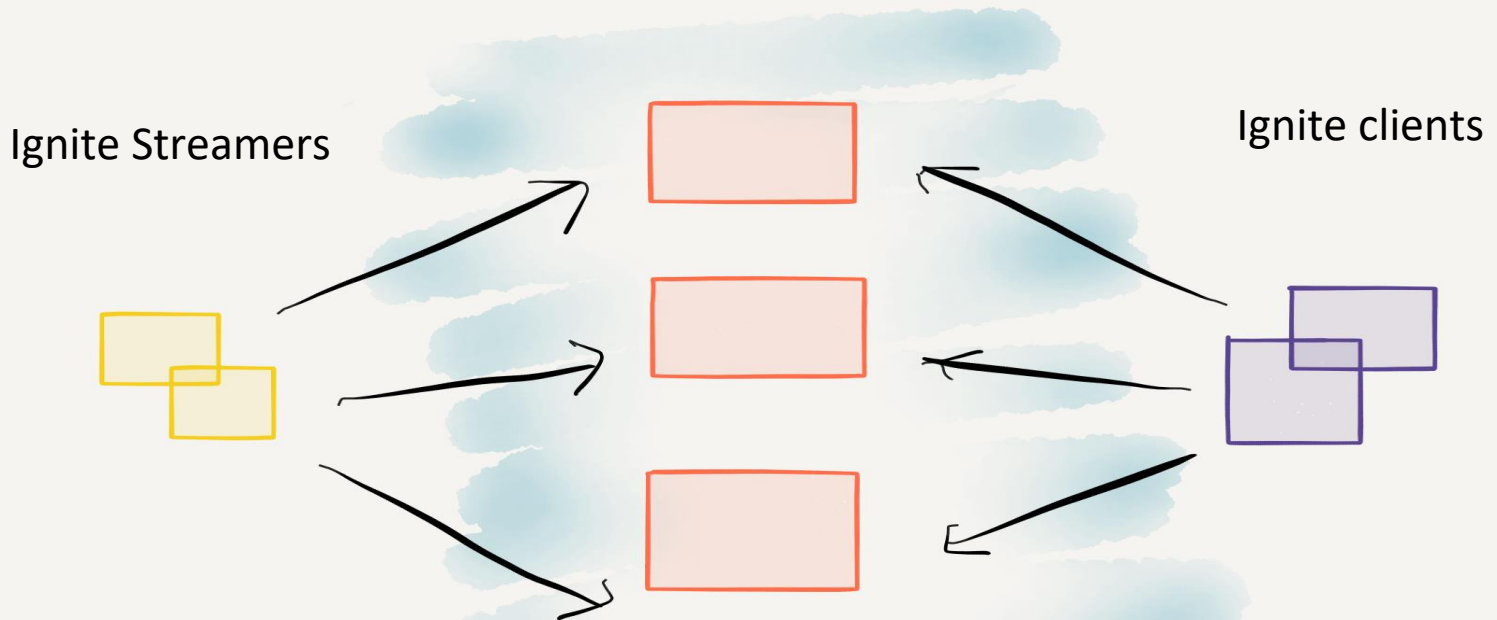
No periodic scheduler jobs

Data can be processed partitioned in events windows.

EVENT WINDOW

EVENT 1 — EVICTED EVENT

EVENT 2

EVENT 3

EVENT 4 — INCOMING EVENT

Easily scalable using job clusters and distributed data stores

Apache Ignite Data Streamers

Ignite Nodes

Ignite Streamers

Ignite clients
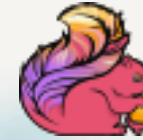
Data Streaming

Data Streaming
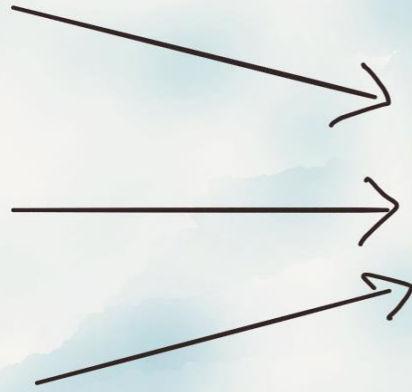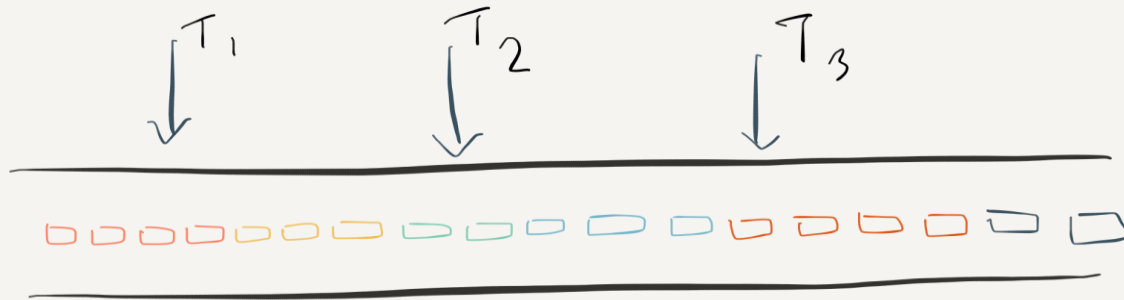
Stream Save points

A snapshot of job including source offset and job state

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Questions ?