Streaming @ Twitter

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Apache HERON
Current Status

● Various Use case
  ○ Ads
  ○ Product-Safety
  ○ Timeline
  ○ Internal-Monitoring

● Various Complexity
  ○ One spout, One bolt
  ○ N spouts, N bolts

● Various Scale
  ○ 1 Container 10 instances
  ○ Hundreds of Containers, thousands of instances
Feature Request

- Reduced Maintenance Overhead
- Exactly-Once Processing
- Service-like architecture
- Expressiveness
Reflections

- Lambda architecture or Kappa architecture
- Service-model or Library-model
- Fully-managed execution or minimum execution
Links

- https://github.com/apache/incubator-heron
- https://github.com/twitter/summingbird