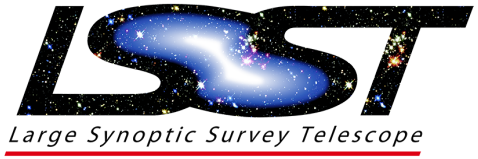
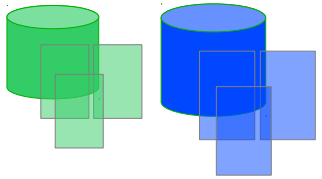
Kafka/Avro alerts



High data rate (> 10^3 Hz)



crossmatch
characterization
annotation

Filtering

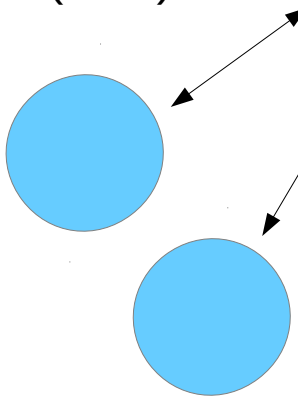
VOEvent Transport Protocol (VTP)

Rabbit MQ

Apache Kafka

Broadcast as VOEvent

Low data rate (< 10 Hz)



Existing VOEvent
infrastructure
and community

D.Morris
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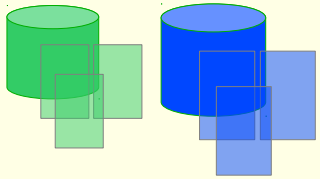
Edinburgh University
May 2018

Kafka/Avro alerts

Large Synoptic Survey Telescope

Community broker



crossmatch
characterization
annotation

High data rate (> 10^3 Hz)

New experiments - 2020+

VOEvent 3.x ?

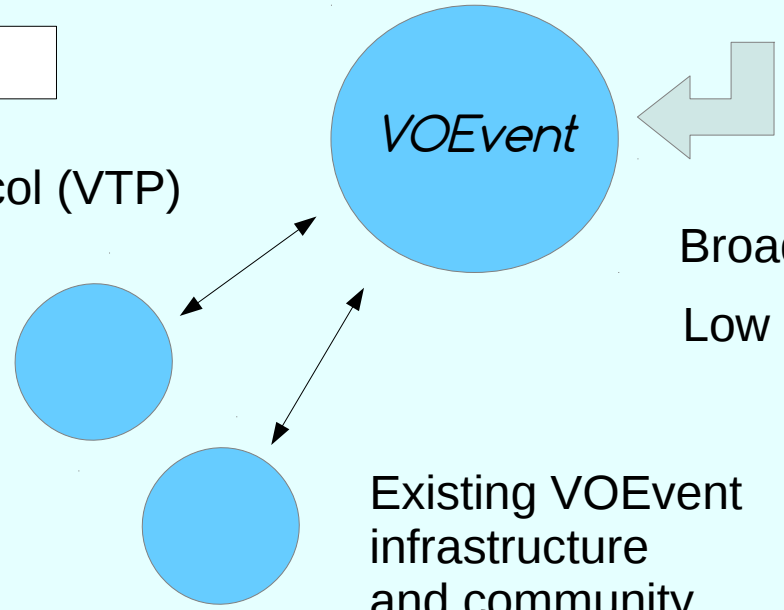
Filtering

VOEvent 2.x standard

VOEvent Transport Protocol (VTP)

Rabbit MQ

Apache Kafka



Broadcast as VOEvent

Low data rate (< 10 Hz)

Existing VOEvent
infrastructure
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