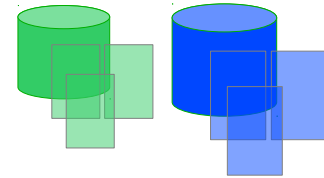
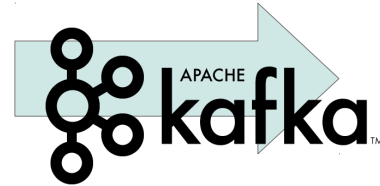
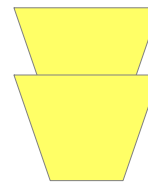


High data rate ( $> 10^3$  Hz)

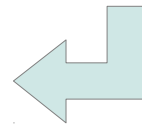
Kafka/Avro VOEvent



crossmatch  
characterization  
annotation



Filtering

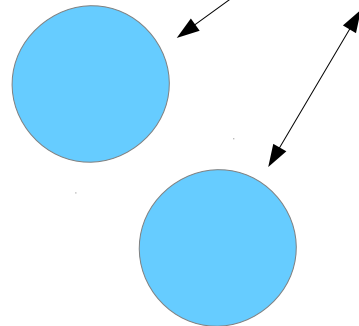


Broadcast as VOEvent  
Low data rate ( $< 10$  Hz)

VOEvent Transport Protocol (VTP)

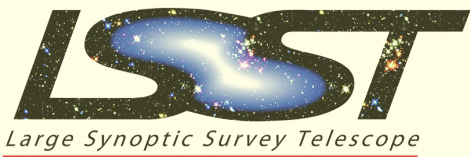
Rabbit MQ

Apache Kafka



Existing VOEvent  
infrastructure  
and community

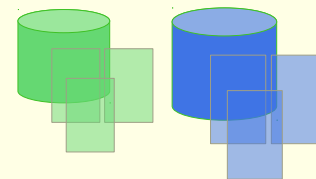
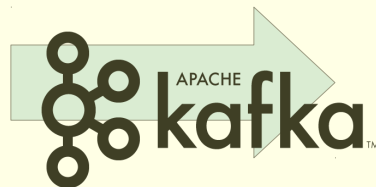




High data rate ( $> 10^3$  Hz)

**New experiments - 2020+**

Kafka/Avro VOEvent



crossmatch  
characterization  
annotation



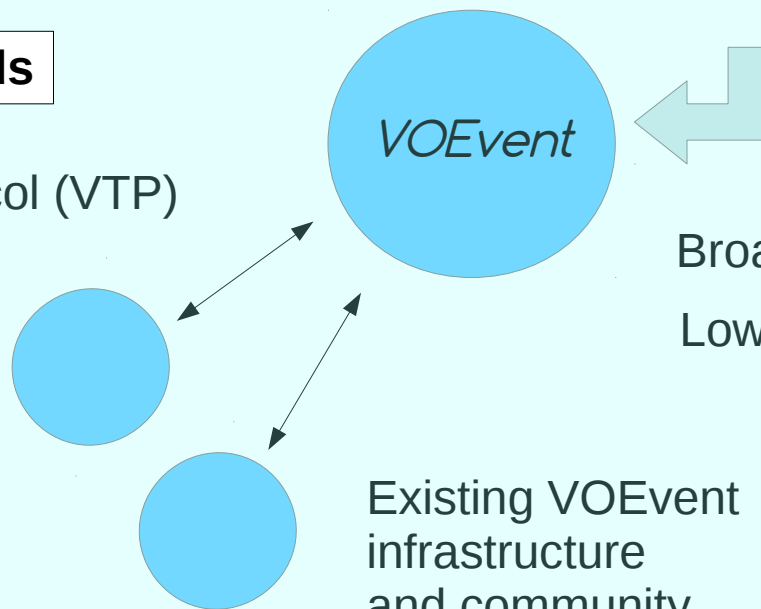
Filtering

**IVOA VOEvent standards**

VOEvent Transport Protocol (VTP)

Rabbit MQ

Apache Kafka



Broadcast as VOEvent  
Low data rate ( $< 10$  Hz)

Existing VOEvent  
infrastructure  
and community

