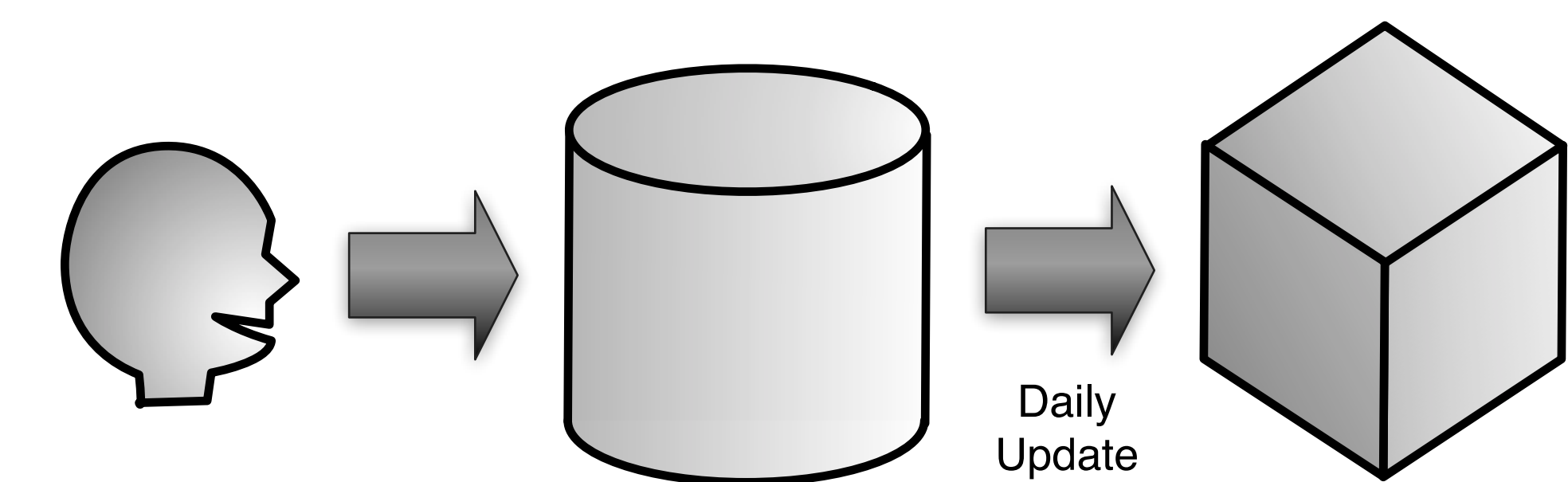
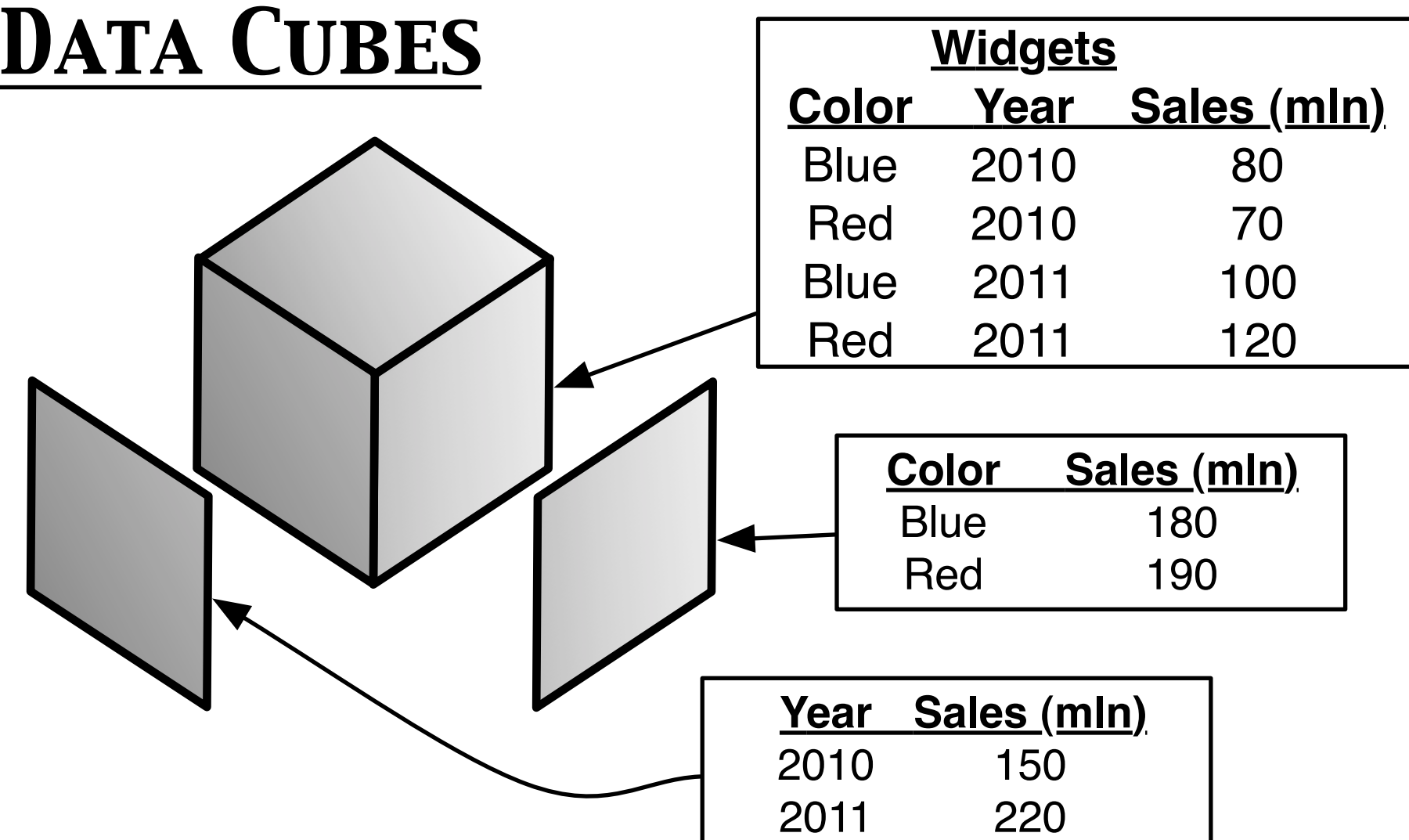
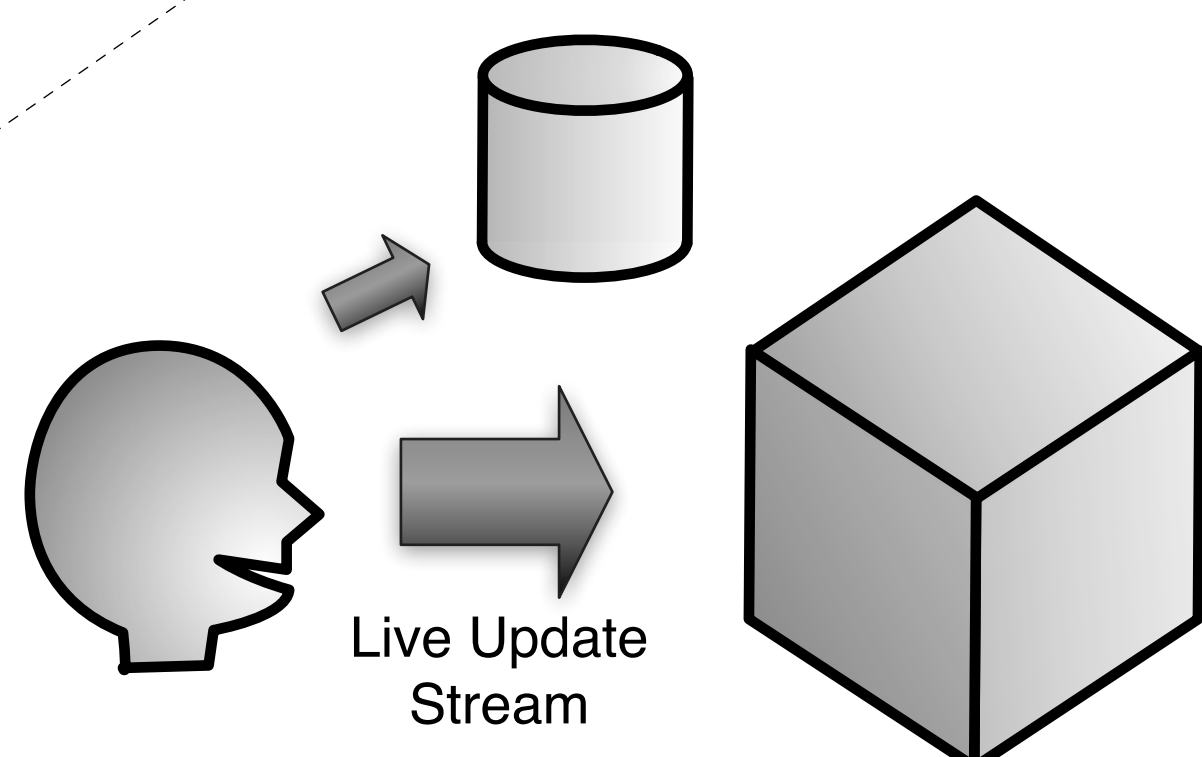


DATA CUBES



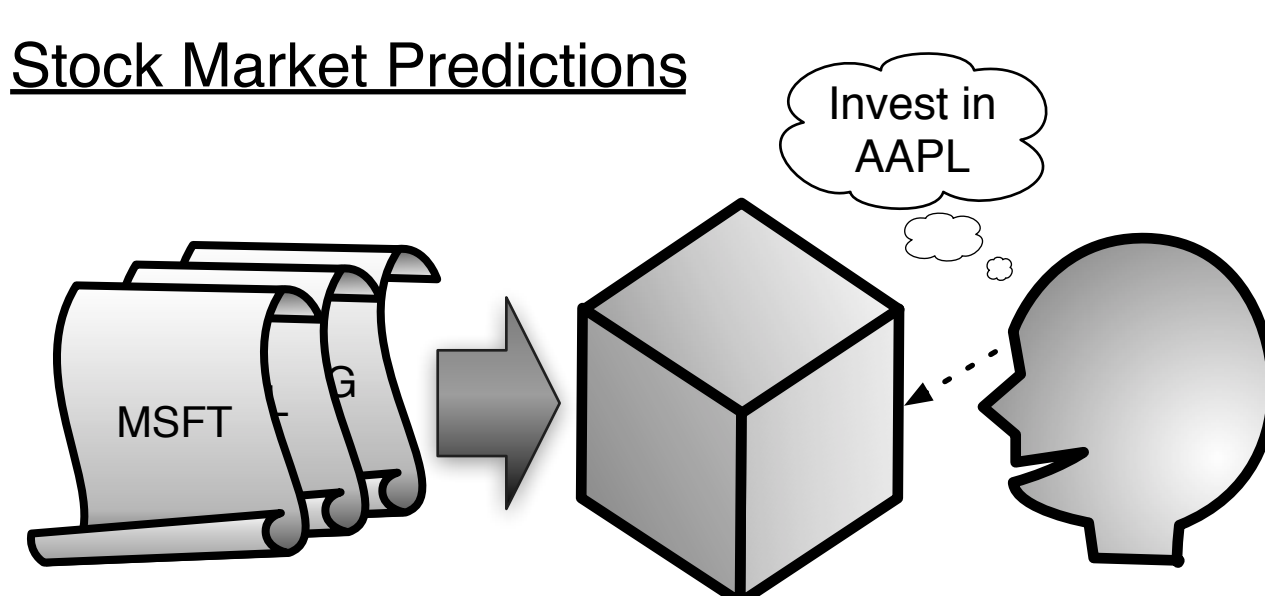
Traditional
Data Cube
Construction

Cumulus
Data Cube
Construction

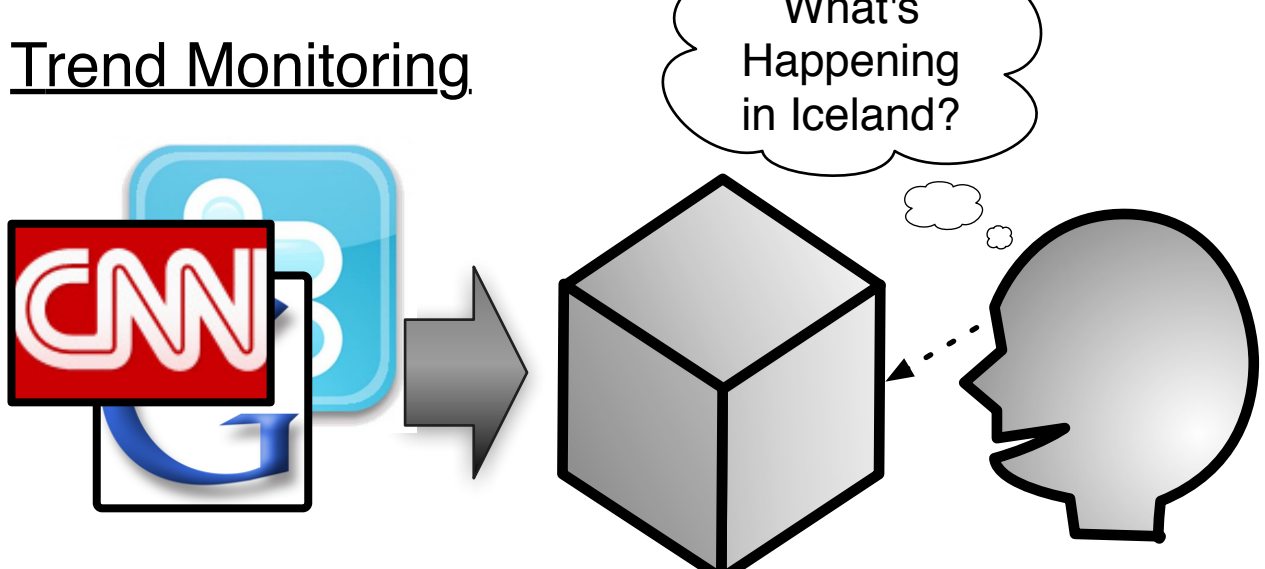


APPLICATIONS

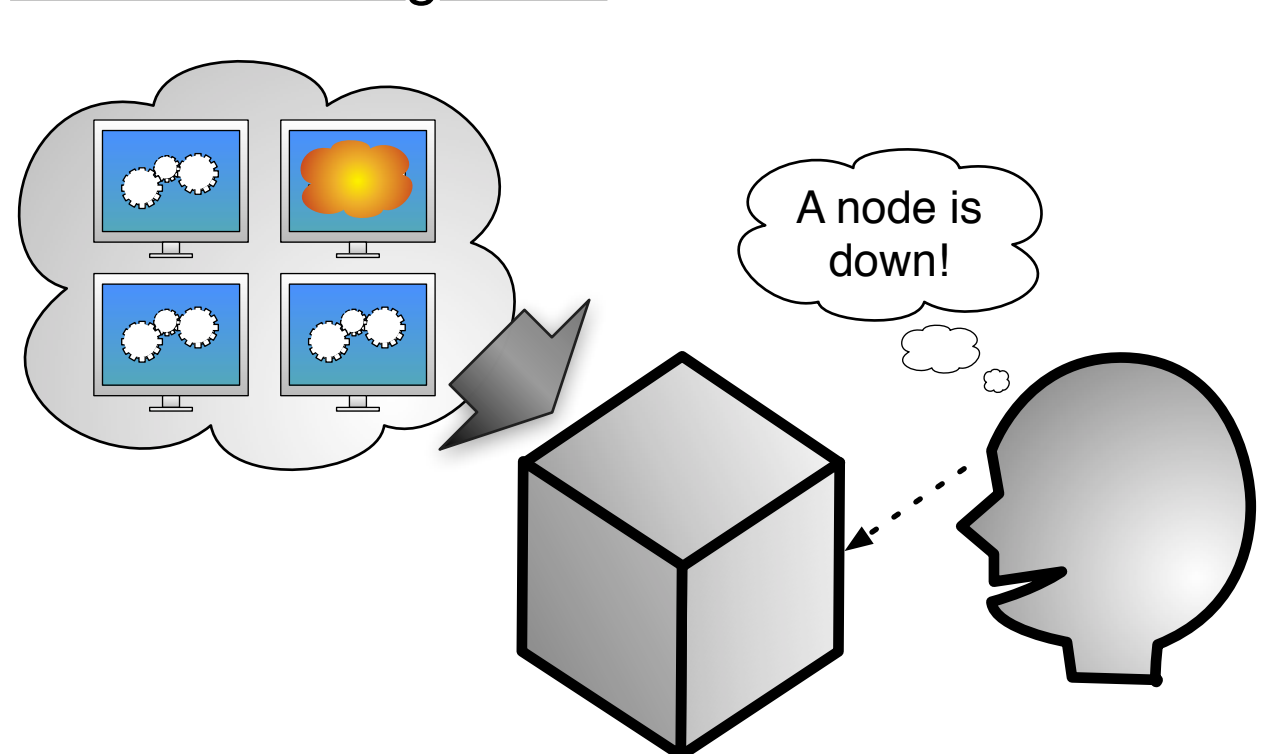
Stock Market Predictions



Trend Monitoring



Network Management



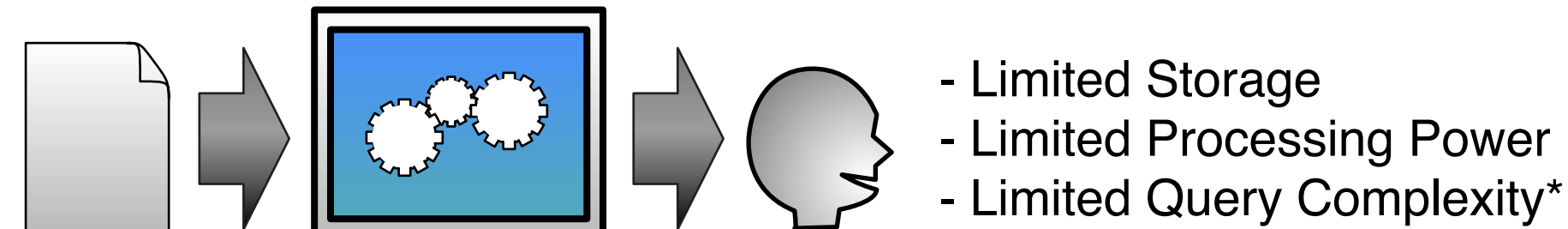
STREAM MONITORING

Approach

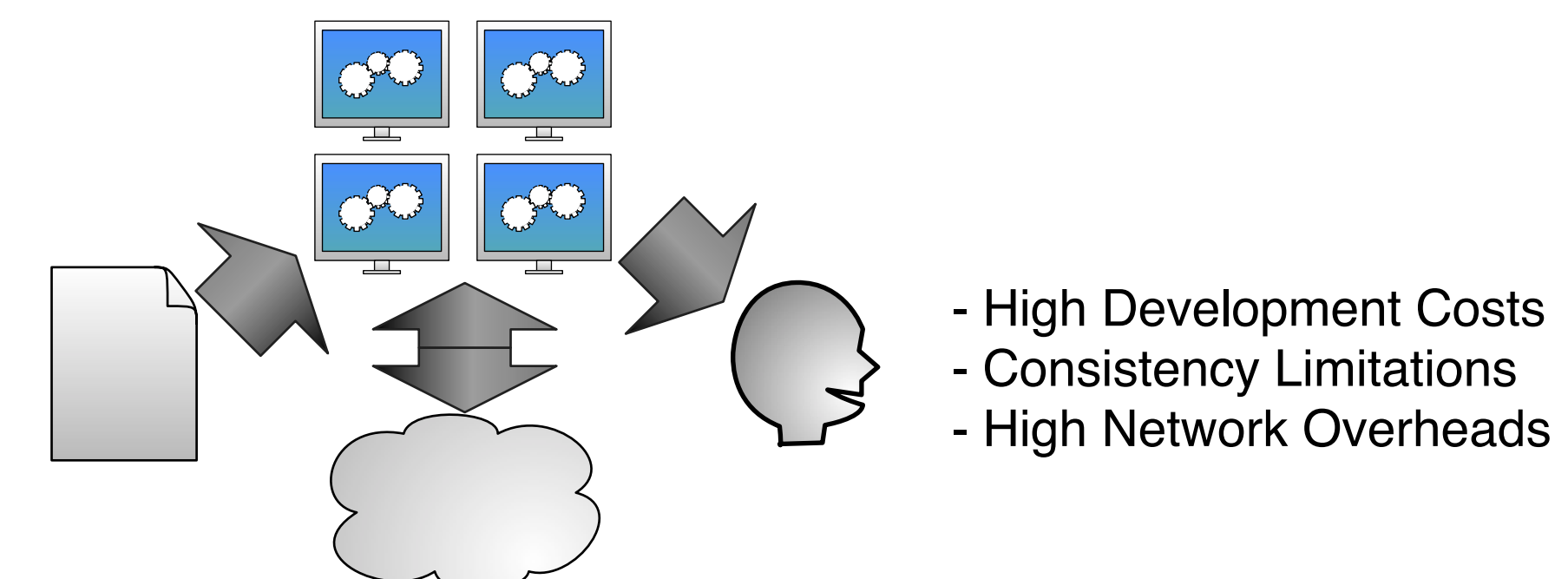
Design

Limitations

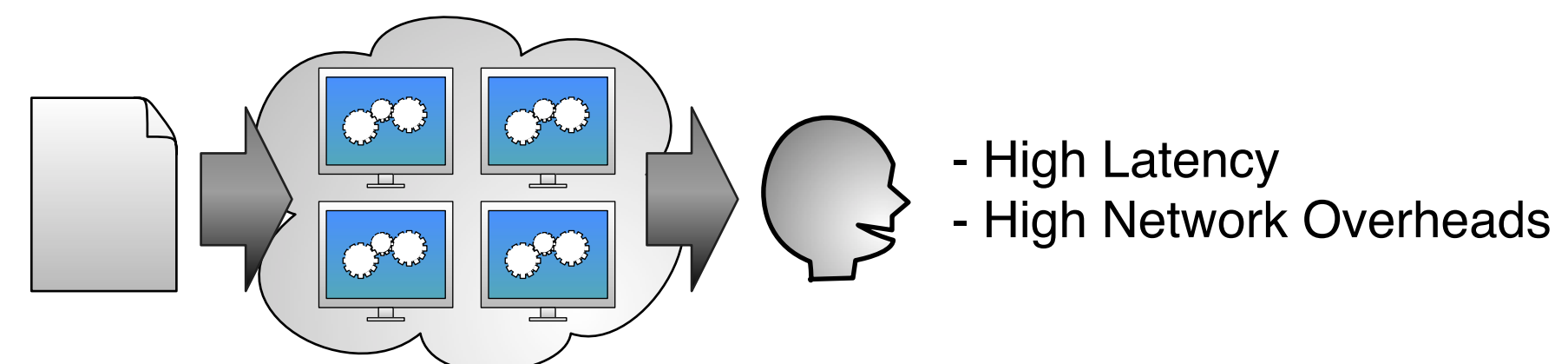
Stream Processors
(Streambase, Cayuga)



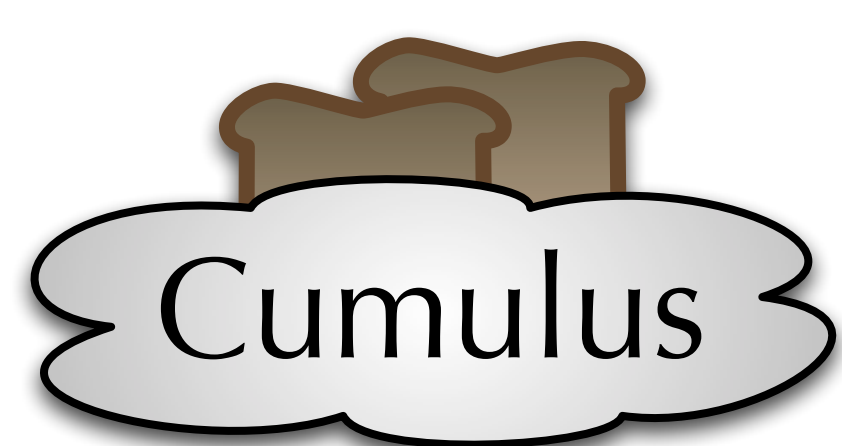
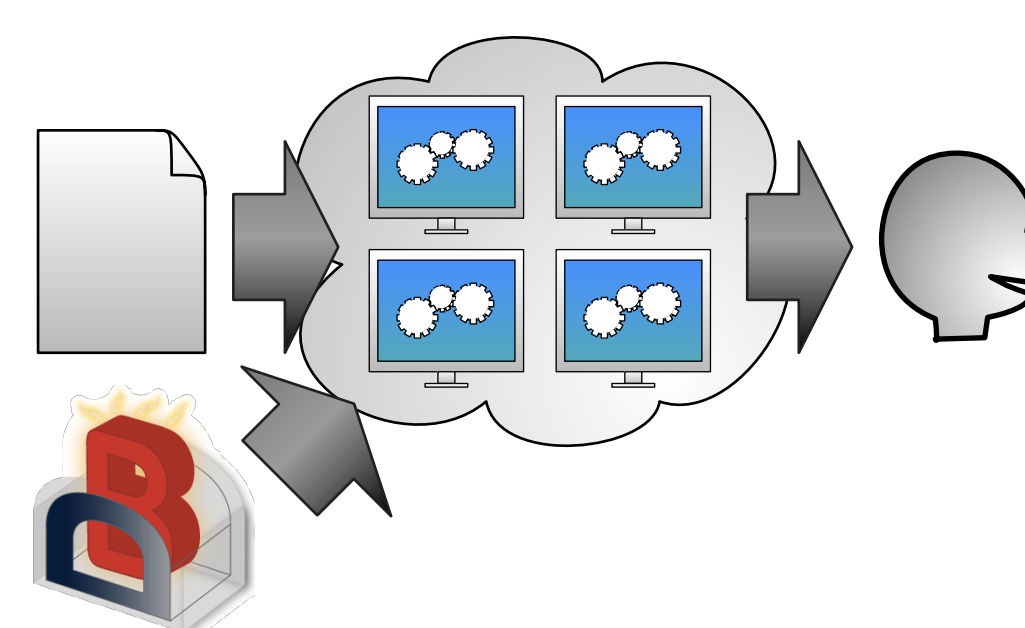
Cloud Storage
(PNuts, Cassandra, BigTable)



Cloud Batch
Processing
(Hadoop, Map/Reduce)



Cumulus



The EPFL D.A.T.A. Lab
Oliver Kennedy
Aleksandar Vitorovic
Christoph Koch