

AWS BIG DATA STACK

EPISODE #1: ARCHITECTURAL OVERVIEW

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TRANSACTIONAL
SYSTEM

ARCHITECTURE

ANALYTICAL SYSTEM

WHAT DOES AWS BIG DATA STACK MEAN?

TRANSACTIONAL

SYSTEM

DATA

ANALYTICAL SYSTEM

WHAT DOES AWS BIG DATA STACK MEAN?

TRANSACTIONAL
SYSTEM



ETL



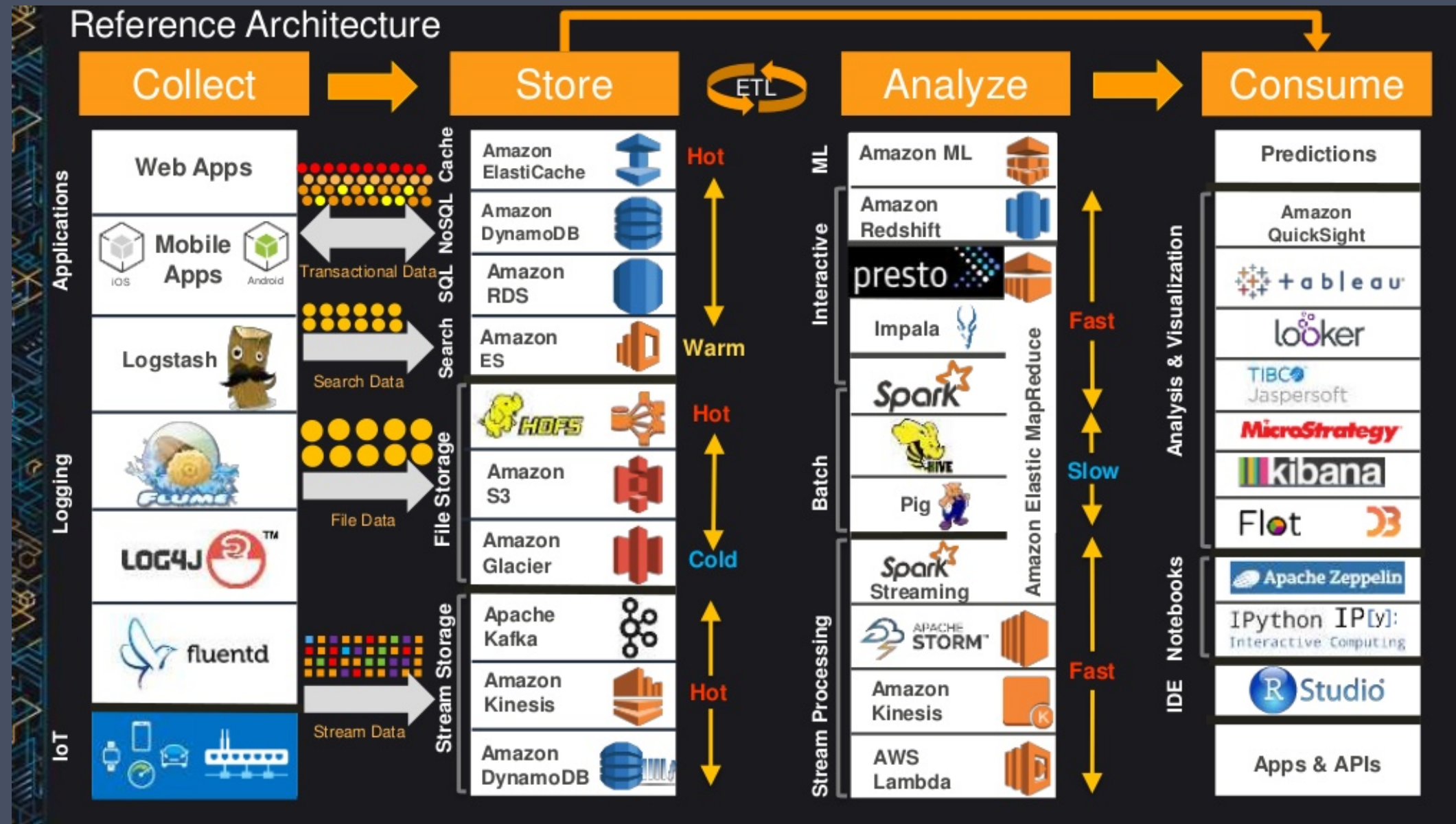
ANALYTICAL SYSTEM

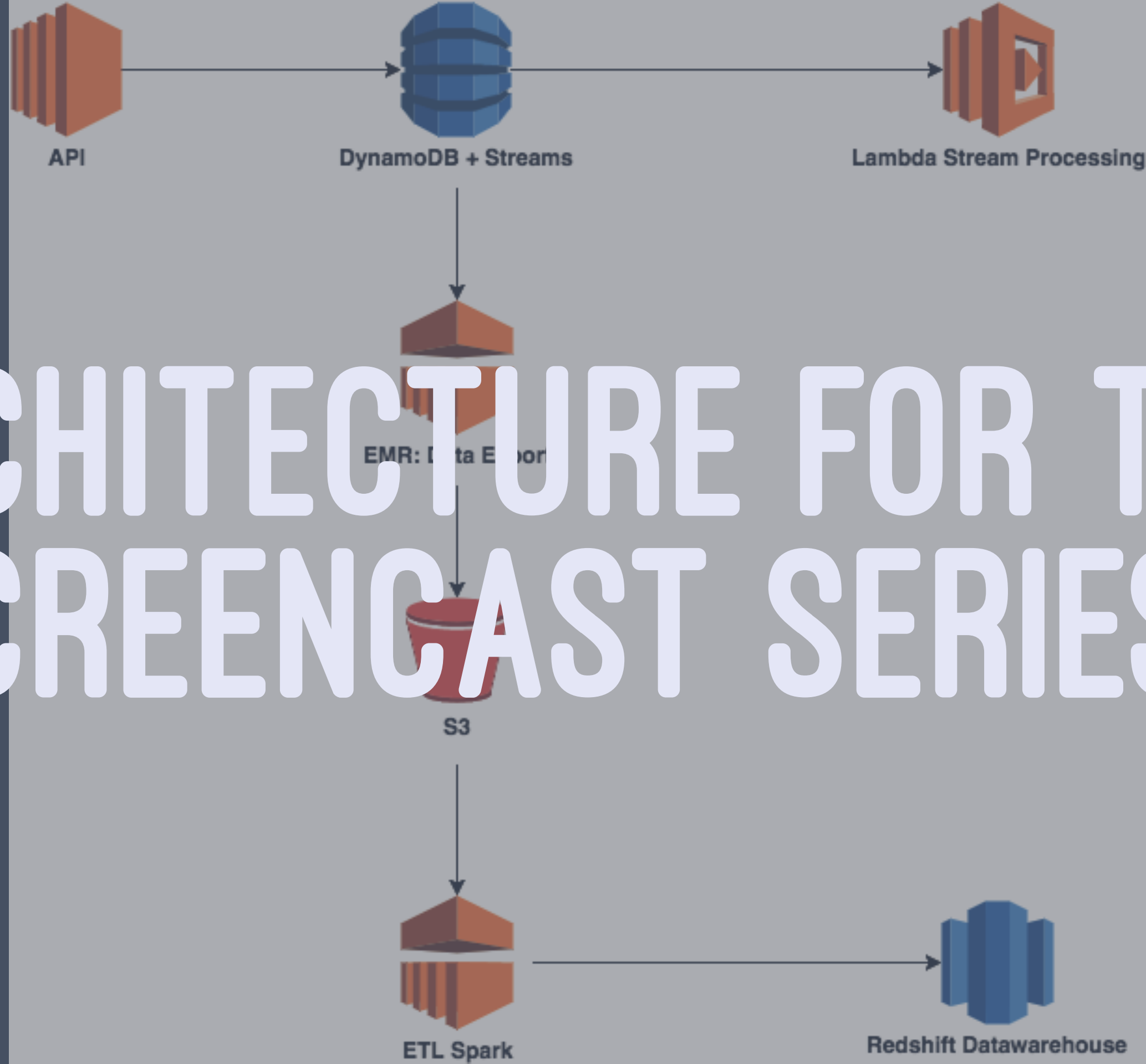
AWS REFERENCE ARCHITECTURE¹



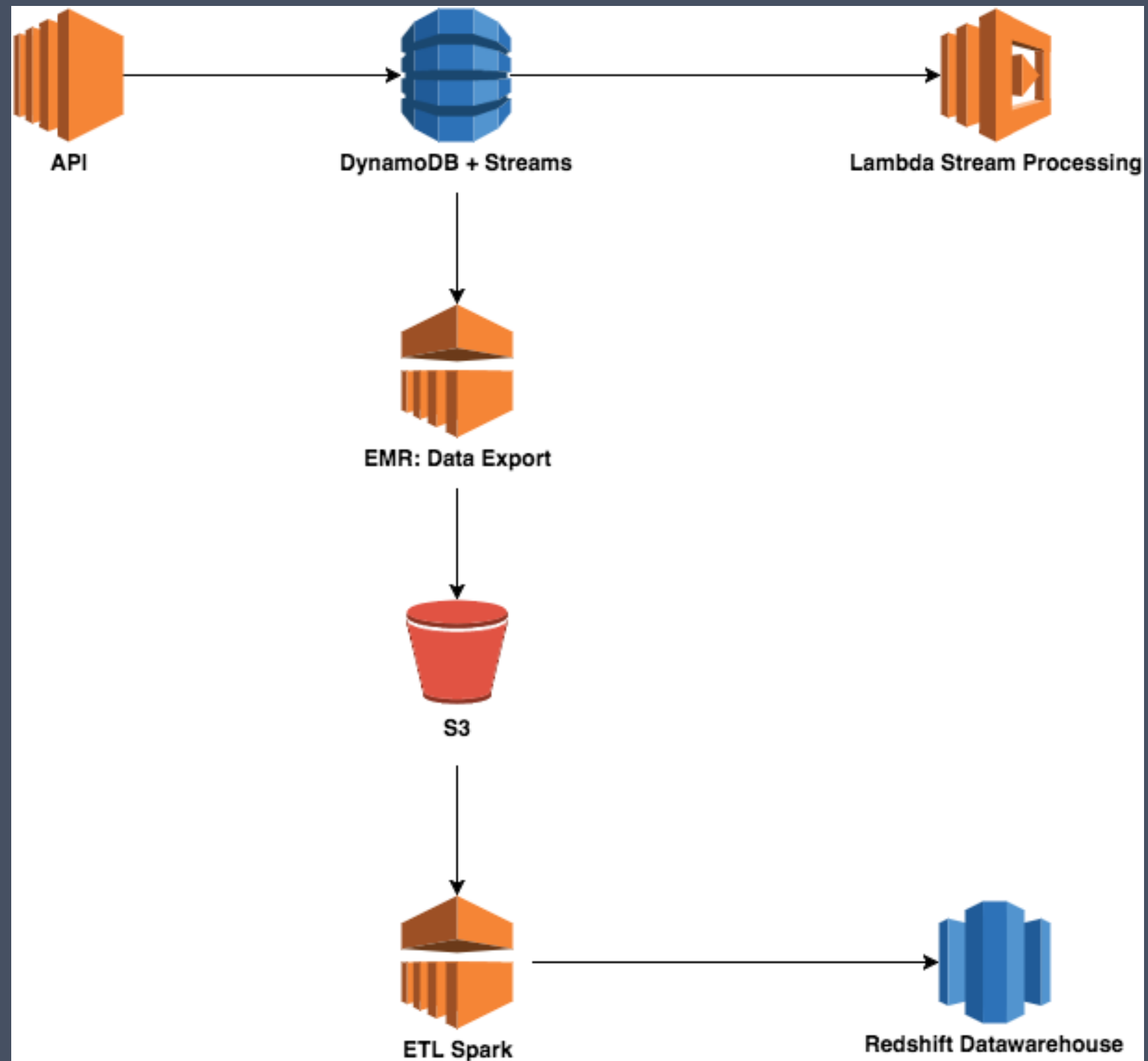
¹Big Data Architectural Patterns and Best Practices on AWS
<http://www.slideshare.net/AmazonWebServices/bdt310-big-data-architectural-patterns-and-best-practices-on-aws>

AWS REFERENCE ARCHITECTURE



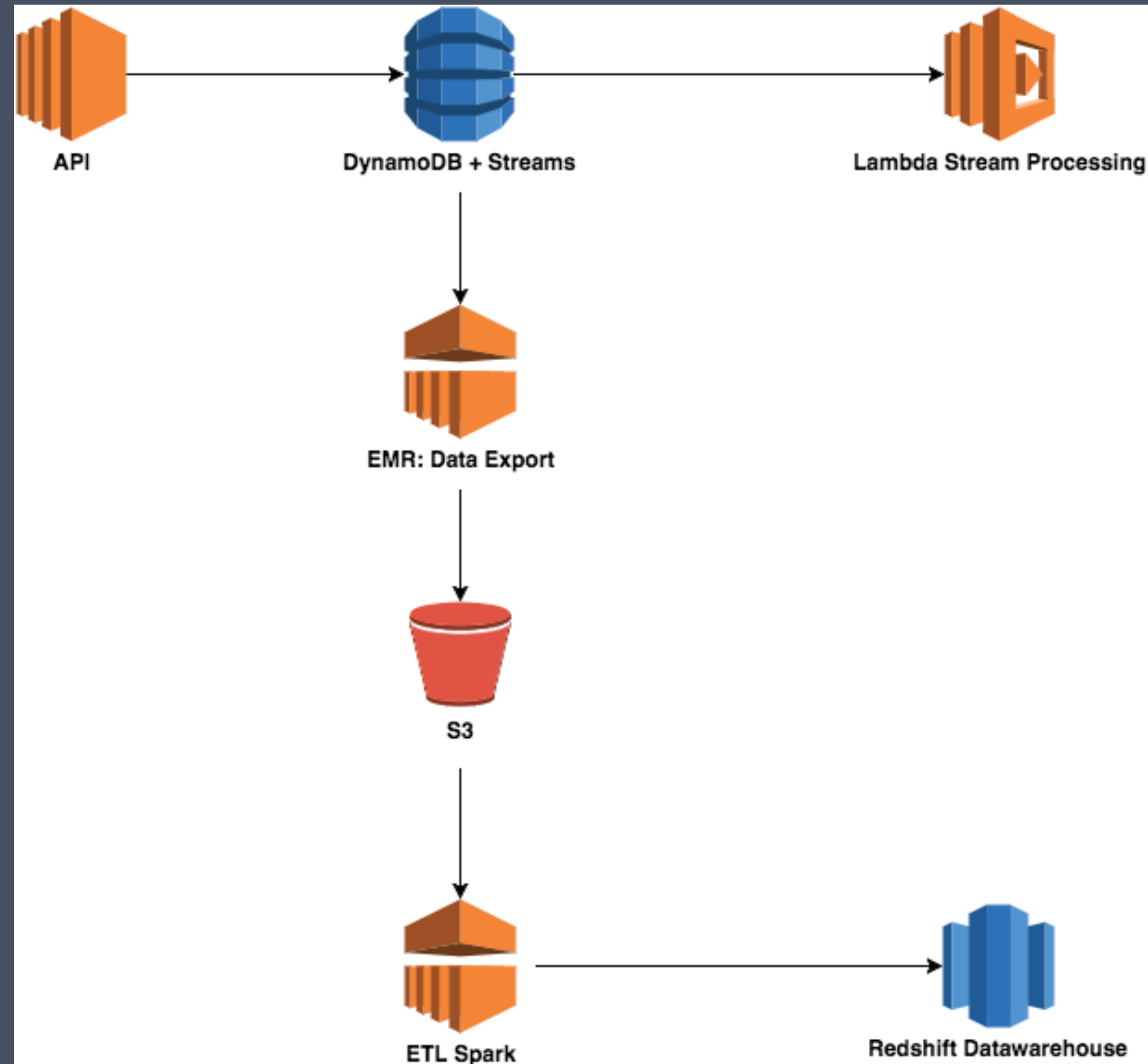


ARCHITECTURE FOR THIS
SCREENCAST SERIES?



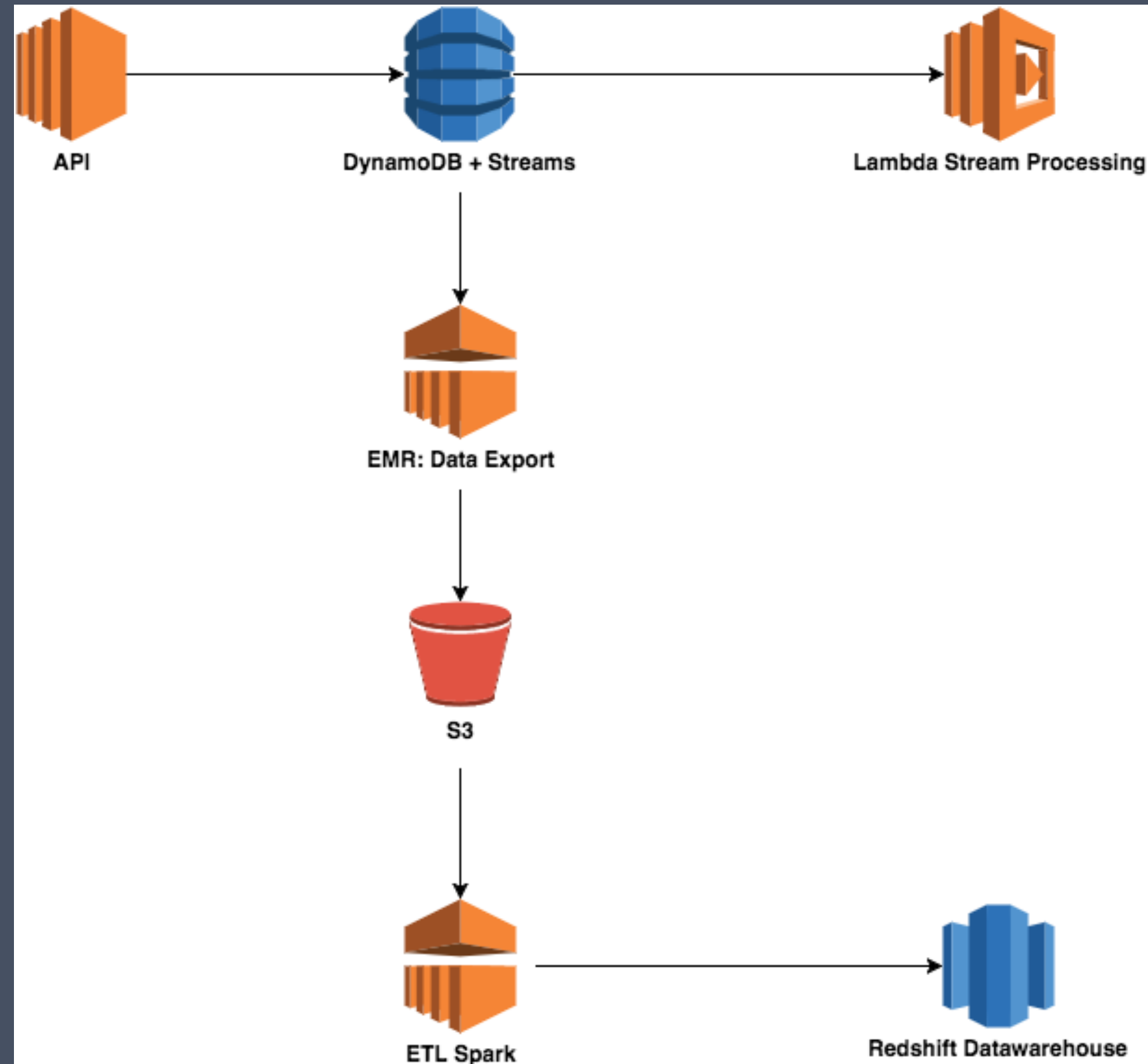
APPLICATION. DB. STREAMING

- > APPLICATION/API
- > HIGHLY SCALEABLE NOSQL DATABASE
- > DECOUPLED DESIGN WITH A STREAM
- > STREAM PROCESSING (3RD PARTY INTEGRATION)



ANALYTICS

- > ETL
- > DATA LAKE
- > BATCH ANALYSIS
- > REALTIME ANALYSIS
- > DATAWAREHOUSE
- > INTERACTIVE ANALYSIS USING DATAWAREHOUSE



ADVANCED TOPICS

- > DATA ANALYSIS USING NOTEBOOK ENVIRONMENT
- > DESIGN DATA PIPELINES WITH AUTOMATION
 - > DATAWAREHOUSE MANAGEMENT

THANKS!



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