

RAIL NETWORK
DATA
INGESTION

NETWORK RAIL CONTROLLED
QUEUE (ACTIVE MQ)

TRAIN
EVENTS

MSG QUEUE

MSG
ROUTING
BY TYPE

ENRICH
DATA
FROM OTHER
SOURCES

KEEP
MSGs
OF
INTEREST

ARRANGE
MSGs BY
EVENT
TIME

STREAM TO
INTERESTED
PARTIES

RDMS
(PG)

NO
SQL
STORAGE

ELK
STACK

MSG
QUEUE

GRAPH
DB

CONSUMER
(REPORTING)

CONSUMER
MOBILE
APP?

DASHBOARDS
AND
QUERY
MEDIUM

CONSUMER

CONSUMER

OPEN QUESTION: WHAT OTHER DATA SOURCES FOR
DATA ENRICHMENT?