

Offline data flows

Nightly ETL



Table reader

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Online data flows

EHR

New HL7 interfaces

2-way
HL7
message
exchange

Integration
Engine

1-way
HL7
message
flow

Other live
clinical systems

EMAP
Data flows
Existing

Immutable
Data Store

1

Message
reader

2

Message
queue

3

Event
processor

Historical
data
loads

EMAP

A live data platform
for *integrated*
development and
deployment

Clinical
team

User Facing
Application

Iterative
development
cycle with
user input

ML4H
model

5

EMAP
development
environment

User
Data Store

4

