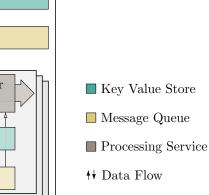Global Infrastructure G

Global Pattern Database (PDB_G)

Global Event Channel (C_G)

Local Infrastructure L_m

Local Indexing

Complexity Estimation

Generative Fitting

Classifier Fitting

Local Pattern Database (PDB_{L_m})

D_m

Local Event Channel (C_{L_m})

Key Value Store

Message Queue

Processing Service

Data Flow

Event Flow