

Context-Dependent
Actions

ContextInferenceEngine

Infer and track a user's personal context.
Example: track semantic locations, activities, etc.

1

OverrideDataProcessor

Implements the perturbation, synthesis, or suppressions operations. The behavior depends on user-defined rules that can depend on the context

2

OverrideDataManager*

Facilitates the delivery *Override-processed* data streams to user-specified apps. Implemented within the Android Framework to intercept native API calls.

3

Android
Platform

App

{LocationListener, SensorEventListener}

Apps interface as usual with the Android platform, but may receive *Override-processed* sensor data.

4

* Can be implemented into the Android Base System. The other blocks are apps and services that run *on top* of the Android.