

CARP Mobile Sensing

Deployment Services

Smartphone  
Deployment  
Service

CarpDeployment  
Service

Data Managers

FileDataManager

CarpDataManager

SmartPhoneClientManager

StudyDeploymentController

Study  
Executor

Data  
Transformer

PrivacyData  
Transformer

Permission  
Manager

DataManager

Sampling  
Schema

DataManager  
Registry

DataTransformer  
Registry

SamplingPackage  
Registry

ProbeRegistry

Sampling Packages

Sensor  
Package

Device  
Package

Context  
Package

Context  
Package

Health  
Package

Movisens  
Package

...  
Package

Flutter Plugins

sensors

light

activity

health



pedometer

battery

location

movisens

Operating System

sensors

logs

wifi

Apple Health /  
Google Fit



location

activity

bluetooth

BTLE

Control Flow

Data Flow

