Software Release Report- DataServices (Android) – PI-17.1.1

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| **Document History** | | | | |
| **Version** | **Date** | **Author** | **Section** | **Changes** |
| 1.0.0 | 12/02/2016 | Spoorti Hallur | All | Release version 1.0.0 |
| 1.1.0 | 12/20/2016 | Spoorti Hallur | All | Release version 1.0.1 |
| 2.0.0 | 13/02/2017 | Spoorti Hallur | All | Release version 2.0.0 |

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| Administrative Information | | | |
| Project Name | CoCo Data Services | Project Identification | NA |
| Scrum Master | Mahabaleshwara Adiga | Date | 13/02/2017 |
| Quality Leader | Vinay Nair | Form Filled by | Spoorti Hallur |
| Name  Address  Phone  Fax | All Projects in CDP2 | | |

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| --- | --- |
| **Authorization** | |
| Quality Leader Signature | Scrum Master Signature |
| Sudhir Kumar | Mahabaleshwara Adiga |

**For Code:**

**Product : Data-Services**

**Release Version :** **v2.0.0 (Android)**

**Release Date: 13-Feb-2017**

User manual (Optional): NA Customer Version ID (Optional): NA

# **Release Description**

# The intention of this release (PI- 17.1.5 candidate) is to integrate the Data-Services component with the Vertical, to access the below features mentioned (refer to the major features section). This release is intended for the End User in Production Environment.

* Release has been done via Artifactory and link for the component is [here](http://maartens-mini.ddns.htc.nl.philips.com:8081/artifactory/webapp/browserepo.html?3).

# **System Requirements / Configuration**

Android Phones with OS version: 4.4 and above.

Other Libraries and frameworks:

* PhilipsUIKit (>= 3.1.0)
* Android Appcompat V7:23.1.1
* Android Support library V4:23.1.1
* Android Support Design 23.1.1
* Philips Registration 8.3.0-SNAPSHOT
* AppInfra 1.3.0-SNAPSHOT
* Gson 2.4
* Ormlite 4.48
* eventBus 3.0.0
* jodaTime 2.9.2
* daggerVer 2.0.2
* stethoVer 1.3.1
* retrofitVer 1.9.0

Data Core API version used - 9

# **Installation and integration**

Download the Data-Services Library from Artifactory and add to your project.

# Please refer Integration guide for more details

# **Pre-Requisite**

* The user should have registered already using User registration component to access the Data-Services component.

# **Major Features for PI-17.1.1 release**

### **Moment Synchronization**

A key aspect of data storage within DataCore is the concept of Moments. Moments describe a set of measurements that are part of the user input to the system. A Moment is expressed as a JSON format text string.

* MeasurementGroup is supported
* Adding a Moment
* Updating a Moment
* Deleing a Moment
* Fetching Moment
* Saving Moment
* Syncing Moments between various devices and server
* Offline support for moment synchronization
* Data storage for Moments in Local Database

### **Consents**

A user consent, using which data core sends the consented data to HSDP.

* Adding Consent
* Deleting Consent
* Fetching Consent
* Saving Consent
* Syncing Consents between various devices and server
* Offline support for Consents
* Data Storage for consents in Local Database

### **User Characteristics**

User Characteristics is for storing user free form data in a file

* Get User Characteristics
* Update User Characteristics
* Fetch User Characteristics
* Syncing User Characteristics between various devices and server
* Offline support for User Characteristics
* Data Storage for User Characteristics in Local Database

### **Setting**

User settings is for setting the locale and metric system for a region. Basically this will help in insight generation, where the data can be passed back in the correct metric system and locale

* Get User Settings
* Update User Settings
* Fetch User Settings
* Syncing User Settings between various devices and server
* Offline support for User Settings
* Data Storage for User Settings in Local Database

# **Service Discovery and Data-Core Configuration**

The URLs for Data Services are picked up from Service Discovery provided by App-Infra.

**Environment – Staging**

**Url -** https://platforminfra-ds-platforminfrastaging.cloud.pcftest.com

**AppName -** uGrow

**MicrositeID -** 77000

# **Limitations**

* NA

# **Known Bugs and Workarounds**

* DE14801- [DS/Android] More time taken to update UI in device 2 after Add/Update operation

### **Error Handling**

* Sync error messages coming from Data-Core are given to Application as the Exception. It’s up to vertical propositions as to how they handle. Currently, in the Demo-App, a toast message is shown by extracting the error message from Exception.
* onSyncComplete and onSyncFailed callbacks are given back to verticals, so that they can take appropriate actions
* Exception from DB-Operations are caught by Library and given back to Verticals in the form of callbacks, so that they can take appropriate action.
* 401 (Unauthorized) and 400 (Bad request) are handled from within Library and not passed as sync errors to verticals.