Software Release Report – Mobile App Infra Library

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| Document History | | | | |
| Version | Date | Author | Section | Changes |
| 1.5.0 | 16-Feb-2017 | Anurag Gautam,  Kavya Kurpad  Adarsha Shetty | All | New Release Features :Tagging, Logging, Secure Storage, App Identity, Internationalization, Service Discovery, Time Sync, App Configuration , Rest Client, ContentLoader & AB Testing |

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| Administrative Information | | | |
| Project Name | AppInfra | Project Identification | NA |
| Project Leader |  | Date | 23-Jan-2017 |
| Quality Leader |  | Form Filled by | Anurag Gautam |
| Name  Address  Phone  Fax | All Projects in CDP | | |

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**Code:**

Product: AppInfra

Release Version: 1.5.0

Release Date: 16-Feb-2017

Integration Document:

**Release Description:**

AppInfra is a horizontal library project developed both on Android and IOS platform. It offers common functionalities related to vertical app which can be used in all Philips applications.

Version number of this release is 1.4.0

Find **documents**  at

<https://bitbucket.atlas.philips.com/projects/MAIL/repos/app-infra_android/browse/Documents>

Find the **demo app** at

<https://bitbucket.atlas.philips.com/projects/MAIL/repos/app-infra_android/browse/Source/DemoApp>

**Source Code Links:**

<https://atlas.natlab.research.philips.com/bitbucket/projects/MAIL/repos/app-infra_android/browse>

**Changes in PI 17.1**

\* US11828 - Service Discovery inject parameters in the URL

\* US13345 - Service Discovery refresh when home country is changed

\* App config keys are now case insensitive

\* App config cloud support

\* Service discovery data persistent across app launches

\* Service Discovery server call will be locked for 10 seconds

\* PRX dependency removed from AppInfra

\* Service Discovery alternate implementation using CSV available as separate repo

\* Service discovery match by country result filtered based on user preferred languages in case of multiple locales for a country

\* Inject parameters to service URL in service discovery

\* Multiple microsite id support one for proposition one for platform

\* Content loader limit per instance

\* Network reachability is implemented in AppInfra as part of REST client

\* Internationalization now returns the locale that app UI was rendered. Country part may not be there

\* Creating password in Secure Storage for Secure DB.

**Source/Binary Files Description:**

Not Applicable

**System Requirement / Configuration:**

Android Version : Android 4.4.0 and Above

**Supported Features:**

* **Secure Storage:** Secure Storage is used to store secret value in device storage with encrypted way using RSA. It uses key value pair concept to store data inside the apps.
* **InternetCheck API’s:** is used to check is network is available or not and get the network Information like device is connected to Wifi or mobile data.
* **Tagging:** App tagging is used to track pages and button actions of the propositions or common components with page/action name and several other default values such as timestamps,device info,OS info etc.
* **Logging:** Logging is used to maintain the logs which user access of the propositions or common components with page/action name and several other default values such as UTC timestamps, Log type, Component ID, Event and Message.
* **PRX Client:** PRX Client is used to download any data related to product present on PRX. It can be used various Philips applications. It can be reused by other projects with minimal development changes as a generic network component as well.
* Locale Match: Locale Match is used to identify the locale code, country code and language code using Language and Region from iPhone device settings.

(Note: Local match library direct dependency is removed from AppInfra.)

* **Service Discovery:** Service Discovery reduces the hard dependency between app and cloud services. The main idea is that the list of URLs that are to be used by an application is maintained server side, at the service discovery server. The app only has to download this list from **one single global location**, this list tells the app where all other cloud services can be found.
* **Internationalization It** provided APIs to fetch Locale from Android settings.
* **Time Sync** feature provides an APIs to retrieve the UTC server time accurately.

It also perform synchronization for every 24hrs and whenever there is a Data and time change.

* **App Identity:** The App identity feature shall provide an API to get the app release status: development, test, acceptance, production.

The App identity feature shall obtain the technical app name, app version and app release status automatically from the build application build process.

* **App Configuration:** The app configuration module maintains configuration settings of the app and it’s included common components, in the form of key value pair.

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* **Rest Client:** The REST client module simplifies communication with cloud services that use a REST based interface.
* **Content Loader:** Content loader downloads data from CQ5 servers. The data is localized; the URL shall be provided via Service Discovery.
* **AB Testing**: A/B (Alpha/Beta) testing feature is to facilitate the other micro apps or vertical application to make a choice of their Application flow to be considered for execution. It could be an alternate UI flow, Theme settings etc.