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PRX client Android Integration

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# INTRODUCTION

This document provides an overview of integration procedure for PRX client library in android mobile applications or any other components.

PRX client library provides set of standard set of API calls to communicate to PRX.

# INTEGRATION

## Maven repository Integration

The easiest and preferred way to use these components is using maven.

build.gradle changes

compile(group: **'com.philips.cdp'**, name: **'prx'**, version: **'1.0.1'**, ext: **'aar'**)

## Library Integration

# Git source path:

<http://pww.clscmgit.pic.philips.com:9000/scm/git/hor-prxclient-android>

1. Check out the code from above path where in you can find sample app which depends on PRX client library’s aar file.
2. PRX client needs other libraries to build which are as below
3. adobeMobileLibrary.jar
4. Localematch-1.1.0.aar
5. Volley
6. prx-v1.0.0.aar

## Library versioning

Library version can be obtained by using below API

RequestManager requestManager = new RequestManager ().getLibVersion ();

## Gradle dependencies

## Prerequisites

1. Integrating application/component must pass in the locale from locale match result which is a country fall back locale.
2. Application/Components need to know the below information.
3. **Catalog** ( This should be given as “CARE”)
4. **Sector** ( Ex: B2C)
5. **Model number** (Ex: HD8967/01 )

# How to execute a PRX request

RequestManager is the class which is the interface class for app/component.

1. Import RequestManager from “com.philips.cdp.prxclient.RequestManager”
2. new RequestManager ().init( Context applicationContext)

App/component has to set product information like ProductSummaryBuilder

ProductSummaryBuilder productSummaryBuilder = **new** ProductSummaryBuilder (**“RQ1250/17”**, **null**);  
productSummaryBuilder.setSectorCode(**“B2C”**);  
productSummaryBuilder.setLocale(**“en\_GB”**);  
productSummaryBuilder.setCatalogCode(“**CONSUMER”**);

mRequestManager.executeRequest(productSummaryBuilder, **new** ResponseListener() {  
 @Override  
 **public void** onResponseSuccess(ResponseData responseData) {  
 SummaryModel summaryModel = (SummaryModel) responseData;  
 Log.*d*(***TAG***, **"Positive Response Data : "** + summaryModel.isSuccess());  
 }  
  
 @Override  
 **public void** onResponseError(String error, **int** code) {  
 Log.*d*(***TAG***, **"Negative Response Data : "** + error + **" with error code : "** + code);  
 }  
});

1. Locale input should be given from locale match result. Please refer Locale match integration document for more details.

# How to build new PRX API call

Currently the component supports two PRX API calls which are Product Summary and Product Assets calls.

In case an app or any component need any other API calls from PRX, Please follow below steps.

1. Create a builder class for example PRXMetaDataBuilder which extends from PRXDataBuilder class and implement 2 abstract methods.
2. getRequestUrl() – Here we need to form the required request url.
3. getResponseData() – Here we need to instantiate the right model class to parse the data response.
4. Create Model class extending from ResponseData and implement parseJsonResponseData(JSONObject response) method and implement the parsing using gson library.

# Frequently asked questions

# Why Prxclient has only 2 API calls?

PRXClient is developed as common component foreseeing the usage by app and many other components.

Since there is no single ownership and dedicated team, only the required calls at the moment has been developed.

The design is made flexible to adopt any other PRX API call or even any server calls.

# Can we add our own API calls inside Prxclient?

Yes. However please discuss with the existing owner of the component before proceeding with the development.

# Does Prxclient support App Tagging?

No. It is just a backend component.

# Where do I find my product information?

Each business has to provide complete ctn number including slash

Ex: HD9240/90

With this please check below link which helps in finding out product tree information like category, sub category etc. please add relevant ctn number

1. <http://www.philips.co.uk/prx/product/B2C/en_GB/CONSUMER/products/HD9240/90.summary>

Please replace locale to check whether product data is available in corresponding countries.

# Can we cancel the request?

It takes request tag as input however cancellation of request is not supported yet.

# How do we give input from localematch?

Locale match is another common component to fetch valid combination of locale given language code and country code.

Please refer locale match integration document for more details.

# Notes

1. Please refer sample application for more details.