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UTap : SDK Integration Guide

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Overview

This document will provide with basic SDK development guide and technical background to help with better use of the UTap Universal SDK.

From the perspective of a developer, the key design objective of this SDK is its compatibility and ease of execution.

This development manual contains the product development documentation for developers that describes the functions provided by the SDK and its related usage, which eases the development environment.

The following sections explain all the required information on how to perform and integrate with the UTap Universal SDK.

SDK Integration

The Mswipe SDK distribution are bundled with the following files,

- UTapUniversalSDK.aar
- UTapUniversalSDKDemoAPP

To call up the services of UTap Universal SDK, the application *UTapUniversalSDK.aar* to be added to the application.

Features

CPoC (Soft POS) Sale

This feature will allow to perform the EMV transactions and would communicate back the status of the transaction to the host application through the function onActivityResult.

Request Parameters

Type	Parameter Name	Comment
String	username	
String	password	
Boolean	production	Pass "true" if want to connect to production server and "false" for dev server.
String	amount	

Intent Uri Schemes method Action : mswipe.wisepad.sdk.CPOC

Example:

```
Intent intent = new Intent(MswipeCPOCARRPaymentView.this, MSAARHandlerActivity.class);
intent.setType("mswipe.wisepad.sdk.CPOC");
intent.putExtra("username", <string>);
intent.putExtra("password", <string>);
intent.putExtra("production", <boolean>);
intent.putExtra("amount", <string>);
startActivityForResult(intent, MS_CPOC_ACTIVITY_REQUEST_CODE);
```

Response Parameters

The details are notified back to the host application through onActivityResult.

- For successful transaction result code *RESULT_OK* is returned.
- For failed transaction result code *RESULT_CANCELLED* is returned.

For Successful transaction,

resultCode: RESULT_OK

requestCode = MS_CPOC_ACTIVITY_REQUEST_CODE

The data parameter will have the following details,

Type	Parameter Name	Comment
Boolean	status	
String	statusMessage	
String	Authcode	
String	Rrno	
String	receiptdetails	

For Failed transaction,

resultCode: RESULT_CANCELLED

requestCode = MS_CPOC_ACTIVITY_REQUEST_CODE

The data parameter will have the following details,

Type	Parameter Name	Comment
Boolean	status	
String	statusMessage	

Pre-requisite for CPoC (Soft POS)

For CPoC (Soft POS) sale to function correctly UTap mPIN application is also required.

For the test environment this application is available at

https://drive.google.com/file/d/1Xkzf8dMYO7Ls4_MYGfITpg38hQyMMQpu/view?usp=sharing

For production environment SDK will redirect to download the UTap mPIN application from the Play Store.

Please ensure installing UTap mPIN application beforehand in the test environment.

Test Credentials

UserID : 9000112233

Password : 123456