

How to Guide to create Sample Application in IOS using SUP ODP 2.2



Applies to:

SUP ODP 2.2.

Summary

This document provides a step-by-step description on how to use the IOS sample application using SUP ODP 2.2.

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Author Bio



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Pre-requisites

- 1) SUP ODP server should be installed and running.
- 2) SCC and relay server settings should be done.

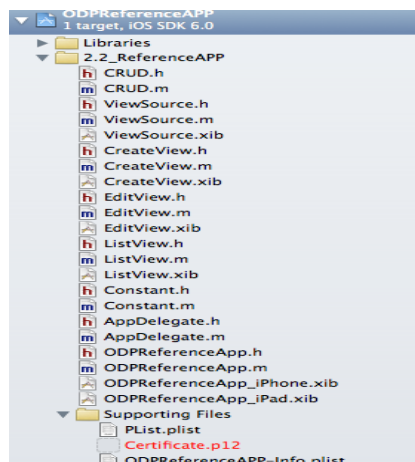
Setting up the application

- 1) Download the [IOS library](#) to your host development system.
- 2) Import the sample project into "Xcode"
- 3) Copy the required Libraries into the libs folder of the project. The list of the required Libraries can be found below:

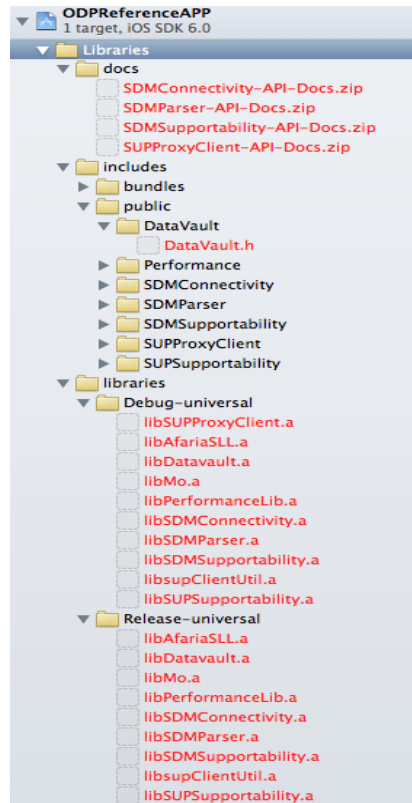
```
libSUPProxyClient.a
libAfariaSLL.a
libDatavault.a
libMo.a
libPerformanceLib.a
libSDMConnectivity.a
libSDMParser.a
libSDMSupportability.a
libsupClientUtil.a
libSUPSupportability.a
```

- 4) For Certificate Onboarding ,rename your certificate as "Certificate.p12" and include the Certificate.p12 in Xcode in Reference Area under "Supporting Files" and Reference Areas as shown below.and change the password in the below API in ODPReferenceAPP.m file in "**ButtonReg**" Method

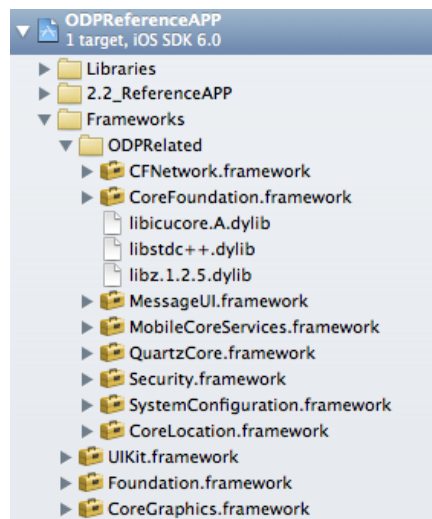
```
NSString *base64 = [ODPCertificateManager getSignedCertificateFromFile:path
password:@"password" error:nil];
```



- 5) Once you load the Project, We have to include the libraries in Reference Areas as shown below.



- 6) Include below Frameworks in Xcode Project to Run the Application.



Run the application

- 1) Deploy the application on the simulator/ device
- 2) Sample application should be launched as shown below. Click On-Board Type (Manual, SSO, CERT) for On-Boarding the user to SUP server

The screenshot shows the 'ODP Reference App' interface. It features a title bar at the top. Below it are input fields for 'Host or relayserver', 'Farm(company) ID', and 'Port'. A section labeled 'OnBoard' contains three buttons: 'Manual', 'SSO', and 'CERT'. Below these are input fields for 'GW username', 'GW password', 'Application ID', 'Username', and 'Activation Code'. At the bottom of the main content area are three buttons: 'OnBaording', 'DeRegistration', and 'CollectionItemList'. A 'ViewSource' button is located at the very bottom of the app.

SSO Onboarding

- 1) Select "SSO" On-Board Type and enter the Server configuration, Gateway credentials, and click on "On-Barding" Button.

This screenshot shows the 'ODP Sample App' interface, which is identical in layout to the 'ODP Reference App' but with the 'SSO' button under the 'OnBoard' section selected. The input fields for 'Host or relayserver', 'Farm(company) ID', 'Port', 'GW username', 'GW password', 'Application ID', 'Username', and 'Activation Code' are present but empty. The 'OnBaording' and 'DeRegistration' buttons are also visible at the bottom of the main content area, along with the 'CollectionItemList' button. The 'ViewSource' button is at the bottom of the app.

Manual Onboarding

Select “Manual” On-Board Type and enter the Server configuration, username created in the SCC and activation code and Gateway credentials.

The screenshot shows the 'ODP Sample App' interface. At the top, there's a title bar. Below it, there are input fields for 'Host or relayserver', 'Farm(company) ID', and 'Port'. A section labeled 'OnBoard' contains three buttons: 'Manual' (which is highlighted), 'SSO', and 'CERT'. Below these are input fields for 'GW username', 'GW password', and 'Application ID'. Further down, there are input fields for 'Username' and 'Activation Code'. At the bottom, there are three buttons: 'OnBaording', 'DeRegistration', and 'CollectionItemList'. A 'ViewSource' button is located at the very bottom of the screen.

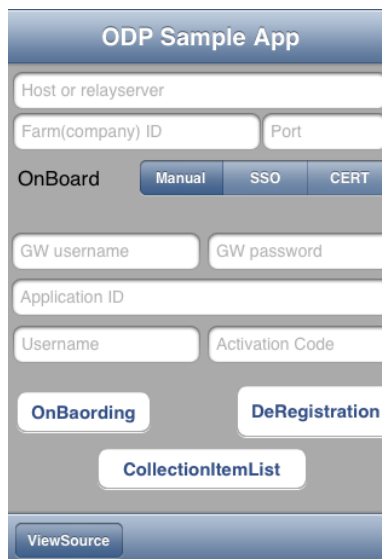
Certificate Onboarding

Select “Certificate” On-Board Type and enter the Server configuration, Gateway and path to the

This screenshot is identical to the one above, showing the 'ODP Sample App' interface. The 'OnBoard' section has three buttons: 'Manual', 'SSO', and 'CERT'. In this view, the 'CERT' button is highlighted, indicating the 'Certificate' onboarding process is selected. All other elements, including input fields and bottom buttons, are the same as in the previous screenshot.

Onboarding user to the server

- 1) Select anyone of the registrations, enter appropriate data.
- 2) Click on the “Onboarding” Button.



The screenshot shows the 'OnBoard' screen of the 'ODP Sample App'. It features several input fields: 'Host or relayserver', 'Farm(company) ID', 'Port', 'GW username', 'GW password', 'Application ID', 'Username', and 'Activation Code'. Below these fields are three buttons: 'OnBoarding', 'DeRegistration', and 'CollectionItemList'. At the bottom is a 'ViewSource' button. The 'OnBoard' label is on the left, and 'Manual', 'SSO', and 'CERT' tabs are on the right.

After successfully onboarding, popup should be displayed with success message. If for any reason, onboarding fails, then the popup should be displayed with the error message.



This screenshot shows the same 'OnBoard' screen as before, but with a modal popup in the center. The popup is titled 'OnBoarding' and contains the text 'OnBoarding Successful' with a green checkmark icon. Below the text is an 'ok' button. The background screen is dimmed.

GET Operation

After successful onboarding, Click on Collection Item List. All the available entries should be listed (GET Operation)

Item ID	Action
00000060	>
00000061	>
00000087	>
00000100	>
00000103	>
00000104	>
00000106	>

PUT Operation

Select one of the entries from the above list. Details of the selected entry will be displayed in Edit Mode.

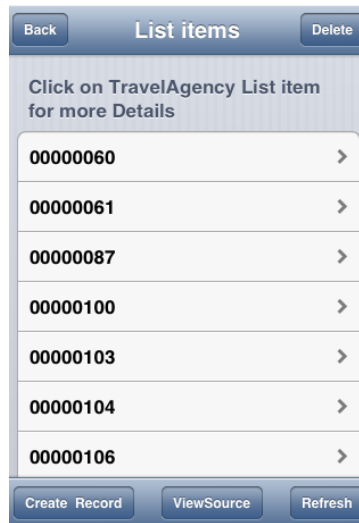
Field	Value
Travelagency No	00000060
Travel agency name	Gumpal
Street	134 West Street
Region	NY
Post code	Post code

Edit any field except the primary key field (its Readable only).

Click on "Save" button. Based on the response from the gateway, a success or failure message will be displayed.

POST Operation

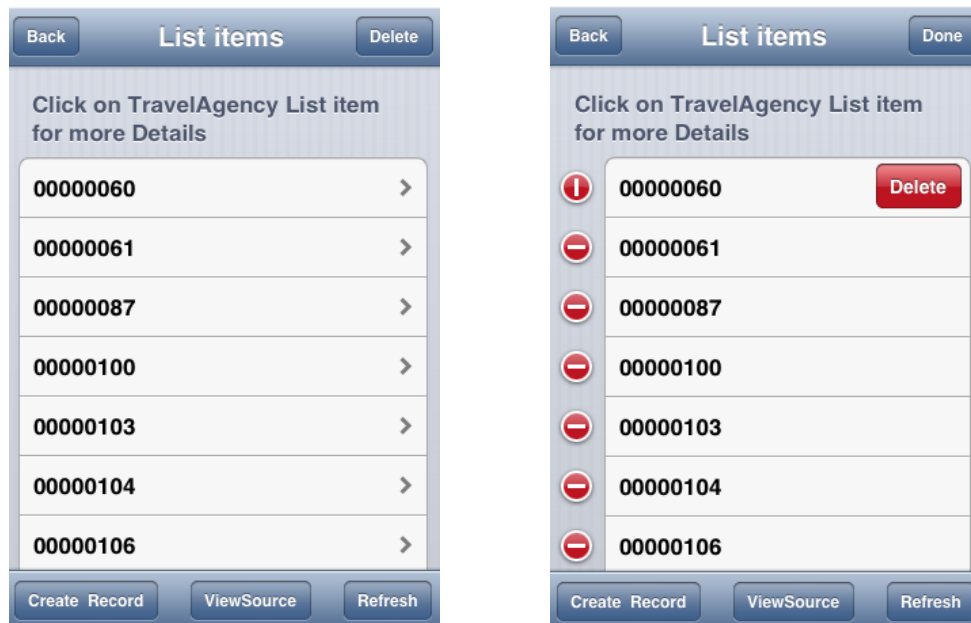
- 1) From List View screen, click on “Create Record” Button.



- 2) In the Create Screen give all the values and click on “Save” button. Based on the response from gateway a success or failure message will be displayed and the list of entries will be displayed.

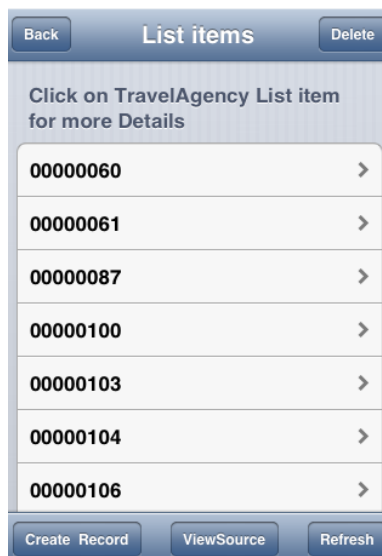
DELETE Operation

To do a delete operation, click on **Delete** button. Select (⊖) Delete Symbol at Corresponding List Item. Delete Button will be appeared. Then click on **Delete** Button. Based on the response from gateway, a success or failure message will be displayed.



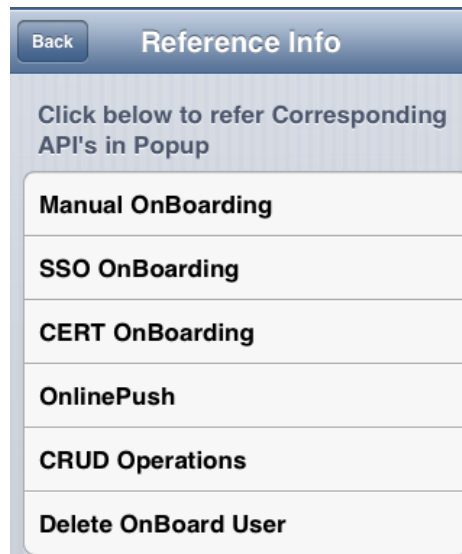
Refresh Data

In the entries list screen click on Refresh Button to get the latest set of data after doing any Operation (Post or Delete).



View Source

- 1) From any screen in the application, select the View Source option to get the list of features implemented in the application.

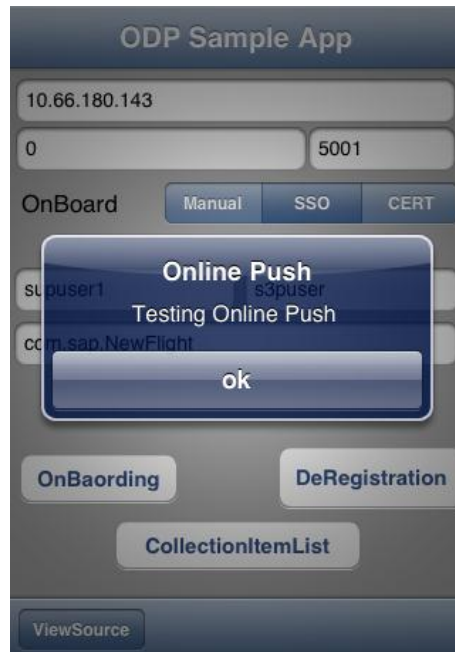


- 2) Click on any option to get reference to its implementation in the application.



PUSH Notification

In any screen of the application, whenever a notification comes, popup will be displayed based on the type of notification (Payload/Native)



DELETE User

An on-boarded user can be deleted by selecting the Delete User option in the menu in the settings screen. A message will be displayed with success or failure response.



Related Content

SUP 2.2 - ODP Beginners Guide for IOS Application Development: <http://scn.sap.com/docs/DOC-33516>

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