

On May 6th, 2016 Apple and SAP announced a partnership to revolutionize the mobile work experience for enterprise customers. This partnership would enable to combine the powerful features of native iOS apps along with the capabilities of SAP HANA. A new software iOS SDK was developed which would help businesses to make apps tailored to their needs.

There are 3 basics steps involved in making an iOS Fiori App.

- a) Registering the service
- b) Configuring iOS SDK Assistant
- c) Developing Code from iOS Mentor App

1. Registering the service

The first basic step involves registering the service on Cloud Platform. The backend web service or OData service is registered on the portal and the API's are generated by the system which would be further of assistance when configuring the iOS SDK Assistant.

🖄 Hone	Network and / SAP CP Training Stop					
🗘 Woble Applicators 🗸 🗸	SAP					
Netwolflybrid	Color Date Date to Dessen Dates					
SAP Contant to Go	Const Light Press Diseases Control					
🐑 Fasturas						
Destinations	Info APIs UserRegistrations Usage /	Analytics				
≦ Analytics →	Application Details	1	Assigned Features		+	
°b Setings →	D:		Name	State		
	com.sup.		g ^{ili} Access Control	(У ак		
	Name:		(i) Client Policies	⊠ ок		
	Description:		Olient Resources	⊻ ox		
	SAP (%, Connectivity	🗹 ОК		
	Vendor:		3 Office	⊠ OK		
	SAP SE		Push Notification	🗹 ОК		
			B Security	⊠ OK		

2. Configuring the iOS SDK Assistant

The iOS SDK assistant is the revolutionary component developed by the joint venture of SAP and Apple to integrate services registered on the SAP Cloud with the rich and user-friendly aesthetic of the iOS Apps. The configuration of the SDK Assistant consists of 4 distinct steps.

a) Defining the project properties

106	1.1		•			•	- 81
Pro	yect Properties	Cloud C	configuration	OData Ser	vices	2ptional Features	- 81
c	reate a New SAP C	loud Platfo	rm SDK for IOS	Related Xcode	Project		- 8
	Produ	ict Name:	MyProducts				- 11
		Harsh Saxena					
	Organizati	on Name:	Accrete Soluti	ons			
	Organization	Identifier:	com.accrete				
	Bundle	Identifier:	com.accrete.M	yProducts			- 8
	De	stination:	/Users/Harsh/D	levelopment	Select folder		- 81
							- 81
							- 10

b) Cloud configuration- - Accessing the registered web service from SAP Cloud or creating a new one from the iOS SDK Assistant itself

This step has two methods of implementation. One is to access the Cloud Platform and use the container that was created as in Step 1.

JU1							
I Mi	**	3	()	2,+			
Sh Na	Project Properties	Cloud Configuration	OData Services	Optional Features			
	Select the SAP Clou	d Platform Mobile Service	s account for your new	mobile application.			
	Account: SAP Cloud Mobile Services - (https://hcpms-p1941341470trial.hanatrial.onde						
	Create a new app i existing properties to Ristform Mobile Service	by manually setting the by selecting an app that's cress.	required properties fo been previously create	r a new app, or reuse ed using the SAP Cloud			
	Practicities into base over i						
		Create Use E	isting Sample				
	Application Ider	Create Use E	disting Sample	Select			
	Application (der Application f	Create Use E ntifier: com.productslist.s	sisting Sample	Select			
SAP	Application (der Application f	Create Die B tilfier: com.productslist.s Name: com.productslist.s	dating Sample	Select			
SAP.	Application (der Application f	Create Use E titlier: com.productslist.s Name: com.productslist.s	disting Sample	Select Go to Coskpit			

The second way is to create a new app and define a new application identifier.

3 Mj								
Sh	°¢	2	()	2+				
	Project Properties	Cloud Configuration	OData Services	Optional Features				
	Select the SAP Cloud F	Select the SAP Cloud Platform Mobile Services account for your new mobile application.						
	Account: SAP Cloud	Mobile Services - (https	://hcpms-p1941341470t	rial.hanatrial.onde				
	Account: SAP Cloud Create a new app by existing properties by Platform Mobile Servic	Mobile Services - (https manually setting the selecting an app that's es. Create Use E	//hcpms-p1941341470t required properties for been previously create sisting Sample	rial.hanatrial.onde				
	Account: SAP Cloud Create a new app by existing properties by Platform Mobile Servic Application Nam	Mobile Services - (https manually setting the solecting an app that's es. Create Use En te: ProductsList	//hcpms-p1941341420t required properties for been previously create disting Sample	rial.hanatrial.onde				
	Account: SAP Cloud Create a new app by existing properties by Platform Mobile Servic Application Nam Application Identifi	Mobile Services - (https manually setting the selecting an app that's es. Create Use E ProductsList et: com.productsList.s	//hcpms-p1941341470t required properties for been previously create cisting Sample	rial.hanatrial.onde				
	Account: SAP Cloud Create a new app by existing properties by Platform Mobile Servic Application Nam Application Identifi Authentication Typ	Mobile Services - (https manually setting the selecting an app that's es. Create Use E ProductsList er: com.productsList.s ex: No Authentication	//hcpms-p19413414700 required properties for been previously create kisting Sample	rainbanatrialonde				
A7.	Account: SAP Cloud Create a new app by Platform Mobile Servic Application Nam Application Identifi Authentication Typ	Mobile Services - (https manually setting the selecting an app that's setting an app that's setting an app that's setting an app that's comproductslist. Productslist er: com,productslist. per: No Authentication	(/hcpms-p19413414706 required properties for been previously create kisting Sample	rainhanatriaionde				

c) Setting up the OData connection available with the selected configuration or setup a new one

Depending upon the method of implementation chosen in the above step the OData services are now defined. If an existing container of the app is accessed from the Cloud, the associated OData service is shown which can be selected and the app can be created.



If a new app is being created from the iOS SDK Assistant itself, then properties of the OData connection have to be defined in the assistant



d) The fourth feature is an optional feature which allows users to select whether they want the assistant to setup the basic app of master detail type with table views and the end to end configuration



3. Developing Code from iOS Mentor App

The user interface of Fiori has been very been pleasing to the eye aesthetically. This added advantage has been leveraged by SAP and they have created fragments of code which fit seamlessly into the development environment of iOS thereby giving users the experience of a Fiori user interface.

These fragments of code are readily available in the iOS Mentor App published on the iTunes Store.

As in case shown here the navigation bar of the app is an inherited from SAP Fiori's own custom class FUINavigationBar. The design of the cell in tableview inherits properties from FUIObjectTableViewCell which are different from the properties of the native iOS TableViewCell class

		Lager Filters fact is not a series and advection of advectional Densets Passed is Lager Lager			
Collections		2 co m Products	92N •• +		
CurrentProductLists	Prod	uctiD 1			
CategorySalesFor1997	Chai		>		
Orders	> Prod	uctID 2		_	
CustomerDemographics	>	9			
Regions	Prod Anisi	uctID 3 Hed Syrup	>		
SummaryOfSalesByYears	Prod	uctiD 4			
ProductSalesFor1997	> Chef	Anton's Cajun Seasoning	>		
OrderDetails	> Prod	uctiD 5 Antonio Cumbo Min	>		
Products	> Cher	Anton's Gumbo Mix			
SalesByCategories	> Prod Gran	uctID 6 dma's Boysenberry Spread	>		
OrderDetailsExtendeds	Prod	Cerier 🕈	5.54 PM		92% — 1
AlphabeticalListOfProducts	> Unde	B Collections	Products	Detail	Update
Territories	Prod	uct SummaryOfSalesByYears	ProductID		2
Suppliers	> Nort	ProductSalesFor1997	> ProductName		Chang
Customers	> Prod Mish	uct OrderDetails	> SupplierID		1
Shippers	>	Products	Category/D		1
		SalesByCategories	QuantityPerUnit		24 - 12 oz bottles
		OrderDetailsExtendeds	> UnitPrice		19.0000
		AlphabeticalListOfProducts	> UnitsInStock		17
		Territories	> UnitsOnOrder		40
		Suppliers	> ReorderLevel		25
		Customers	> Discontinued		false
		Shippers			
		CustomerAndSuppliersByCities			
		Categories			
		ProductsAboveAveragePrices			
		Employees			
		ProductsByCategories	>		

Using the frameworks of iOS, the user interface codes of Fiori from the mentor app and the established backend from SAP Cloud, businesses can design apps specifically for iPhone and iPad to meet their objectives.

For all enquiries please contact at : corp@accretesol.com , Tel : +1(877)-849-5838 Visit us at : www.accrete-solutions.com

USA Head Office 3350 Scott Blvd, Bldg 34 Santa Clara, CA 95054 South Africa 609 Lanseria Corporate Estate, Falcon Lane, Lanseria, Gauteng

Chile Galvarino Gallardo 1638, Providencia, Santiago India Development Centre 102A, HARTRON, Electronics City, Gurgaon

Copyright © Accrete Solutions 2017. All rights reserved.