iOS Stock Check App for SAP® Business ByDesign

The iOS Stock Check App for SAP® Business ByDesign allows you to check the stock position of your products effectively mirroring what you can see in product planning. It has been designed to be really simple to use, especially if you have barcoded product labels. It is available on the App Store at: <u>https://apps.apple.com/gb/app/stock-check/id1552786945</u>

	Stock Check
	Scan Product Label
Produ	ct ID: P100403
Descr	iption: Combi 190
Specif	ication: 88
STOCK	DETAILS
Currer Stock Stock Availal	nt Stock: 75.0 EA Demand: 3.0 EA Receipts: 12.0 EA ole Stock: 84.0 EA
	Check Stock

To check the stock availability via the app, you only need to enter the product code and product specification, if relevant, and then just click the 'Check Stock' button!

If you have barcode labels on your products, you can simply press the 'Scan Product Label' button.

The app supports many barcode types although it is recommended to use QR codes if possible as the iPhone or iPod decodes these much quicker and from a further distance than 1D barcodes.

The barcode types supported are:

1D: Code 128, Code 39, Code 39 (Mod43), Code 93, EAN8, EAN13, Interleaved 2 of 5, ITF-14 and UPC-E

2D: QR Code, PDF417, Data Matrix and Aztec

When you scan the product label barcode, the app will then query your ByDesign system to get the label details, including the product and product specification details. This may take a few seconds depending upon your network speed. You can amend the quantity manually if you are moving more than the label quantity.

Application Settings

The first time you use the app you will be directed to the application settings screen where you can enter the ByDesign system URL, username and password that will be used to connect to your system. You can also enter your site ID - please remember that if you go to a different warehouse on another site you will need to update this before checking stock availability.

If you are using application identifiers on your barcodes, which is quite common if you are using them elsewhere in the system, then you can enter these here too. The standard ByDesign application identifiers for labels is 97.

APP SETTINGS			
Use Product M Scope Setting Calculation:	laster Availability Check for Receipt Quantity		
Enable Produc	t Specification:		
Enable Label Scanning:			
Label Barcode	Prefix: 97		
Site ID: P110	00		
SAP® BUSINESS E	YDESIGN SETTINGS /my123456.sapbydesign.com		
User ID: _S	ГОСКСНЕСК		
Password:	•••••		
adust susilability shoeld			
ouuci availability check	Stock and all receipts		

Stock and released receipts in horizon

Supply except unfirm receipts in horizon

Stock within horizon

Show Help
TENANT URL
https://my123456.sapbydesign.com
USER ID
_STOCKCHECK
This is the communications arrangement user id and password, not your usual SAP Business ByDesign user account!
PASSWORD
•••••
SITE ID
1000

SAP Business ByDesign

Configuration Dataila

Within the iPhone settings app, you have some additional configuration options to disable barcode scanning, choose whether to use the product master availability check scope setting, disable product specification support and update the ByDesign settings available within the app itself. You can also amend the permissions for camera access and check which version of the app you have installed.

Use Product Master Availability Check Scope Setting: This changes whether the stock availability check uses the setting in the product master record or the default which is to use the equivalent of 'Stock and all receipts'.

Enable Product Specification: This enables or disables the product specification field; however a scanned label will always include the product specification regardless of this app setting

Enable Label Scanning: This enables or disables the ability to scan a product label

SAP® Business ByDesign Configuration

In order for the app to work with your Business ByDesign system you will need to create a new communication arrangement.

You can view the official Communication Arrangements Quick Guide at: <u>https://help.sap.com/</u> <u>docs/SAP_BUSINESS_BYDESIGN/2754875d2d2a403f95e58a41a9c7d6de/</u> <u>c30ccd16669c43a69482b490fdecaad0.html?locale=en-US</u>

Please ensure you set the user authentication method to be username and password.

The web services, or APIs, required for the Stock Check app are:

Determine Availability of Products

To create the communication arrangement, please follow these steps:

- 1. Go to Application and User Management Communication Systems
- 2. Create a new communication system:
 - 2.1.ID: STOCKCHECK
 - 2.2.Host Name: STOCKCHECK
 - 2.3.System Access Type: Internet
 - 2.4.Add a System Instance with ID: STOCKCHECK and Preferred Application Protocol: 5 -Web Service
 - 2.5.Click Save and then activate it (Actions button)
 - 2.6. Finally click Save and Close

Basic Information		Internal Comment
ID: *	STOCKCHECK	
SAP Business Suite:		
Host Name:	STOCKCHECK	
System Access Type: *	Internet ~	
Technical Contact		-
First Name:		
Last Name:		
Email:]
Phone:]
Fax:]
System Instances		
System Instance ID		Preferred Application Protocol
STOCKCHECK		5 - Web Service

- 3. Now go to Application and User Management Communication Scenarios
- 4. Create a new communications scenario:
 - 4.1. Communication Scenario Name: STOCKCHECK
 - 4.2. Add the following operations (there are the Service Descriptions):
 - 4.2.1. Determine Availability of Products 4.3.Click Save and Close to finish

Add Oper	Release Status	Operation Description	ā V	7 Service Description	â	Service Name		Dep Objec serv
		Determine availability of	of produ	Determine Availability of Products	5	ProductAvailabilityDetermi	inationIn	
nmunication Scer	nario * ST	оскснеск						
imunication Scer ne: igned Operation move Add C	nario * ST IS Operations	ОСКСНЕСК						
Imunication Scer Ine: Igned Operation Move Add C Release Status	nario * ST ns Operations s Operation D	OCKCHECK	≜ Se	ervice Description	≜ Se	rvice Name	Depen Servici	dent Obje

- Go to Application and User Management Communication Arrangements
 Click New to create a new communication arrangement: 6.1. Communication scenario = STOCKCHECK

1 Select Scenario 2 Define Business Data 3 Define Technical Data 4 Review 5 Confirmation					
< Previous Next > Finish () Close Preview Check Completeness () Save as Draft ()					
Communication Scenarios					
Communication Scenario	7 Communication Type				
STOCKCHECK	Application Integration				

6.2. Click Next

1 Select Scenario 2 Define Business Data 3 Define Technical Data 4 Review 5 Confirmation < Previous Next > Finish (2) Close Preview Check Completeness (2) Save as Draft (2)	
Communication System	My Communication Data
System Instance ID: * STOCKCHECK	My System:
Communication System: STOCKCHECK	
Contact	
Contact Name:	
	_

6.3. System Instance ID = STOCKCHECK

- 6.4. Click Next
- 6.5. Authentication Method = User ID and Password6.6. Click Edit Credentials to set the password
- 6.7. Click Next
- 6.8. Click Finish

1 Select Scenario 2 Define Business Data 3 Define Technical Data 4 Review 5 Confirmation				
Yevious Next Finish Close Preview Edit Advanced Settings Check Completeness Save as Draft Save as Draft				
Communication Method:	Direct Connection			
Inbound Communication: Bas	ic Settings	Outbound Communication: Basic Settings		
Inbound Communication Enabled:	V	No Outbound Communication		
Application Protocol: *	Web Service \checkmark			
Authentication Method: *	User ID and Password			
User ID:*	_STOCKCHECK Edit Credentials			
Services Used				
Determine Availability of Pro	Uses Basic Settings Enabled			

Now use the user ID _STOCKCHECK and the password you entered in step 6.6 in the app settings!