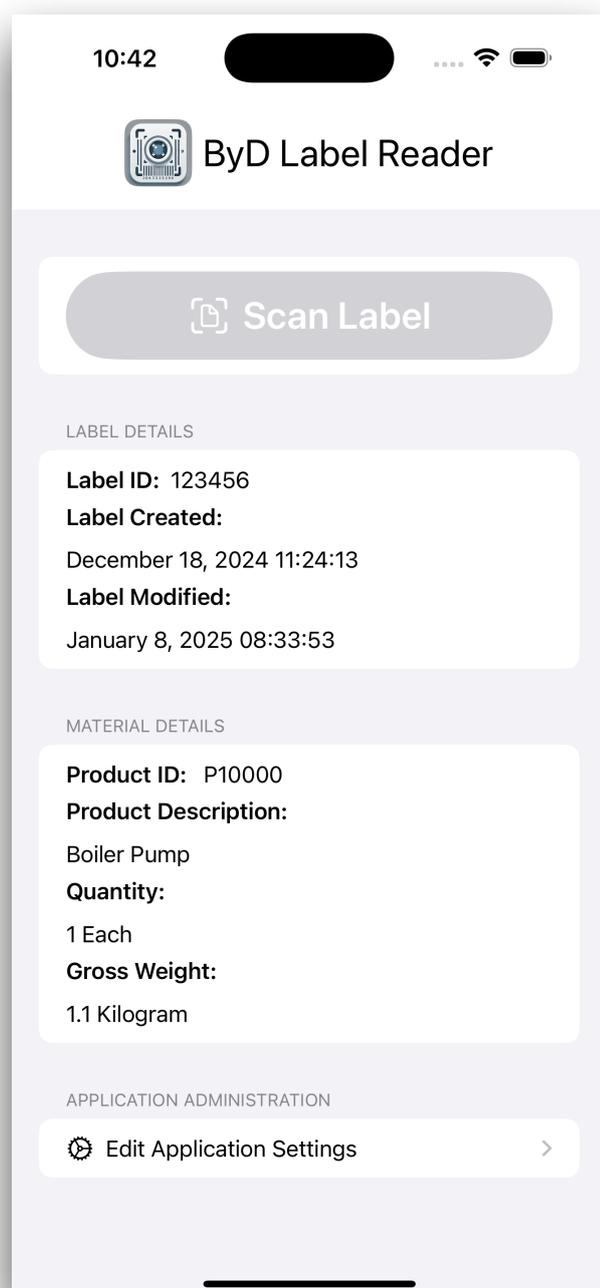


# iOS Label Reader App for SAP Business ByDesign®



The iOS Label Reader App for SAP Business ByDesign® allows you to scan your SAP Business ByDesign labels and read the information held by the system for that label, such as product ID, description, quantity, etc. It has been designed to be really simple to use and is available on the App Store at: <https://apps.apple.com/us/app/read-byd-labels/id6740242755>



To use the app, you only need to click the “Scan Label” button!

The app supports many barcode types although it is recommended to use QR codes if possible as your iOS device will decode 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 SAP Business ByDesign system to get the label details. This may take a few seconds depending upon the speed of your internet connection.

# Application Settings

The first time you use the app you will be directed to the application settings screen where you can enter the SAP Business ByDesign system URL, username and password that will be used to connect to your system.

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 SAP Business ByDesign application identifiers for labels is 97.

10:26

SAP Business ByDesign  
Configuration Details

Show Help

TENANT URL  
https://my123456.sapbydesign.com

USER ID  
\_LABELREADER  
This is the communications arrangement user id and password, not your usual SAP Business ByDesign user account!

PASSWORD  
.....

LABEL (GOODS TAG) BARCODE PREFIX  
97

Save Settings

Cancel

# SAP Business ByDesign Configuration

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

You can view the official Communication Arrangements Quick Guide at: [https://help.sap.com/docs/SAP\\_BUSINESS\\_BYDESIGN/7c182c462ec043cba338a30b952068c7/2dd4cb73722d1014938ec0c0927d57ed.html?locale=en-US](https://help.sap.com/docs/SAP_BUSINESS_BYDESIGN/7c182c462ec043cba338a30b952068c7/2dd4cb73722d1014938ec0c0927d57ed.html?locale=en-US)

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

The web services, or APIs, required for the Label Reader app are:

- Read Goods Tags
- Query Identified Stocks
- Query Materials
- Query Code Lists

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: LABELREADER
  - 2.2.Host Name: LABELREADER
  - 2.3.System Access Type: Internet
  - 2.4.Add a System Instance with ID: LABELREADER 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: *	<input type="text" value="LABELREADER"/>	
SAP Business Suite:	<input type="checkbox"/>	
Host Name:	<input type="text" value="LABELREADER"/>	
System Access Type: *	<input type="text" value="Internet"/>	
<b>Technical Contact</b>		
First Name:	<input type="text"/>	
Last Name:	<input type="text"/>	
Email:	<input type="text"/>	
Phone:	<input type="text"/>	
Fax:	<input type="text"/>	
<b>System Instances</b>		
<input type="button" value="Add Row"/>   <input type="button" value="Remove"/>		
System Instance ID	Preferred Application Protocol	
LABELREADER	5 - Web Service	

3. Now go to Application and User Management - Communication Scenarios
4. Create a new communications scenario:
  - 4.1. Communication Scenario Name: Label Reader
  - 4.2. Add the following operations (there are the Service Descriptions):
    - 4.2.1. Read Goods Tag
    - 4.2.2. Query Identified Stocks
    - 4.2.3. Query Materials
    - 4.2.4. Query Code Lists
  - 4.3. Click Save and Close to finish

Communication Scenario \*  
Name:

**Assigned Operations**

[Remove](#) | [Add Operations](#)

Release Status	Operation Description	1 <sup>±</sup> Service Description	1 <sup>±</sup> Service Name
✓	Find code lists	Query Code Lists	QueryCodeListIn
✓	Find identified stocks	Query Identified Stocks	QueryIdentifiedStocksIn
✓	Find materials	Query Materials	QueryMaterialIn
✓	Read goods tags	Read Goods Tag	ManageGoodsTagIn

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

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	Communication Type
Label Reader	Application Integration

- 6.2. Click Next
- 6.3. System Instance ID = LABELREADER

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 System** **My Communi**

System Instance ID: \*  [Copy](#) My System:

Communication System: LABELREADER

**Contact**

- 6.4. Click Next
- 6.5. Authentication Method = User ID and Password
- 6.6. 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

< Previous
Next >
Finish
Close
Preview
Edit Advanced Settings
Check Completeness
Save as Draft

Communication Method: Direct Connection

**Inbound Communication: Basic Settings**

Inbound Communication Enabled:

Application Protocol: \* Web Service

Authentication Method: \* User ID and Password

User ID: \* \_LABELREADER Edit Credentials

**Outbound Communication: Basic Settings**

No Outbound Communication

**Services Used**

Query Materials	Uses Basic Settings	Enabled
Query Code Lists	Uses Basic Settings	Enabled
Read Goods Tag	Uses Basic Settings	Enabled
Query Identified Stocks	Uses Basic Settings	Enabled

Now use the user ID \_ LABELREADER and the password you entered in step 6.6 in the app settings!