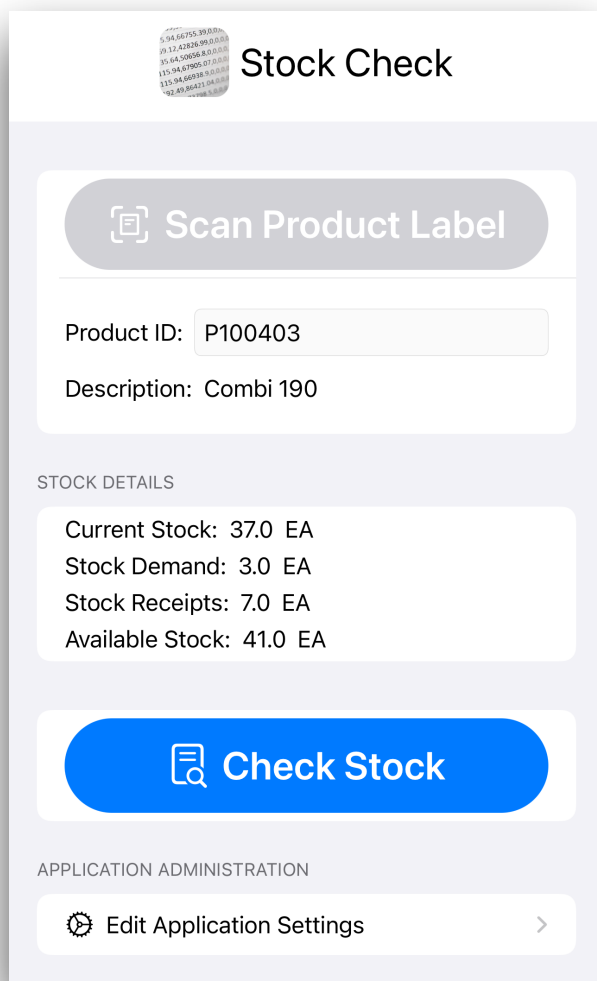


# iOS Stock Check App for SAP® Business ByDesign

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: <https://apps.apple.com/gb/app/stock-check/id1552786945>

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 Master Availability Check Scope Setting for Receipt Quantity Calculation:
- Enable Product Specification:
- Enable Label Scanning:
- Label Barcode Prefix: 97
- Site ID: P1100

SAP® BUSINESS BYDESIGN SETTINGS

- URL: https://my123456.sapbydesign.com
- User ID: \_STOCKCHECK
- Password: ●●●●●●●●

Product availability check

Availability Check Scope:

- Stock and all receipts
- All supply except unfirm receipts
- Stock
- Stock and all receipts
- Stock and all receipts within horizon
- Stock and released receipts
- Stock and released receipts in horizon
- Stock within horizon
- Supply except unfirm receipts in horizon

SAP Business ByDesign Configuration Details

- Show Help:
- TENANT URL: https://my123456.sapbydesign.com
- USER ID: \_STOCKCHECK
- PASSWORD: ●●●●●●●●
- SITE ID: 1000
- LABEL (GOODS TAG) BARCODE PREFIX: 97

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: <https://help.sap.com/viewer/7c182c462ec043cba338a30b952068c7/2005/en-US/2dd4cb73722d1014938ec0c0927d57ed.html?q=communication%20arrangement>

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: *  | <input type="text" value="STOCKCHECK"/> |                                |
| SAP Business Suite:  | <input type="checkbox"/>                |                                |
| Host Name:   | <input type="text" value="STOCKCHECK"/> |                                |
| System Access Type: *  | <input type="text" value="Internet"/>   |                                |
| Technical Contact  |   |                                |
| First Name:  | <input type="text"/>                    |                                |
| Last Name:   | <input type="text"/>                    |                                |
| Email:   | <input type="text"/>                    |                                |
| Phone:   | <input type="text"/>                    |                                |
| Fax:   | <input type="text"/>                    |                                |
| System Instances   |   |                                |
| <input type="button" value="Add Row"/>   <input type="button" value="Remove"/> |   |                                |
| 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

| Available Operations     |                                     |                                    |                                    |                                    |                          |
|--------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|--------------------------|
| Add Oper...              | Release Status                      | Operation Description              | Service Description                | Service Name                       | Dep... Object serv...    |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Determine availability of produ... | Determine Availability of Products | ProductAvailabilityDeterminationIn | <input type="checkbox"/> |

Communication Scenario Name:

Assigned Operations

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

| Release Status                      | Operation Description                                       | Service Description                | Service Name                       | Dependent Object Service |
|-------------------------------------|---|------------------------------------|------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | Determine availability of products using selection criteria | Determine Availability of Products | ProductAvailabilityDeterminationIn | <input type="checkbox"/> |

5. Go to Application and User Management - Communication Arrangements
6. 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 Scenario | Communication Type      |
|------------------------|-------------------------|
| STOCKCHECK             | Application Integration |

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

System Instance ID: \*

Communication System: STOCKCHECK

Contact

Contact Name:

My Communication Data

My System:

- 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

The screenshot shows a configuration interface with a progress bar at the top containing five steps: 1 Select Scenario, 2 Define Business Data, 3 Define Technical Data (highlighted), 4 Review, and 5 Confirmation. Below the progress bar is a navigation bar with buttons: < Previous, Next >, Finish (?), Close, Preview, Edit Advanced Settings, Check Completeness (?), and Save as Draft (?).

The main configuration area is titled 'Define Technical Data' and includes the following sections:

- Communication Method:** A dropdown menu set to 'Direct Connection'.
- Inbound Communication: Basic Settings:**
  - Inbound Communication Enabled:** A checkbox that is checked.
  - Application Protocol: \*** A dropdown menu set to 'Web Service'.
  - Authentication Method: \*** A dropdown menu set to 'User ID and Password'.
  - User ID: \*** A text field containing '\_STOCKCHECK' and an 'Edit Credentials' button.
- Outbound Communication: Basic Settings:** A section with the text 'No Outbound Communication'.
- Services Used:** A table with the following content:

| Service                          | Uses Basic Settings | Enabled |
|----------------------------------|---------------------|---------|
| 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!