# Step-by-step implementation guides for COBI.wms

The steps you need to follow for implementing COBI.wms depend on the type of your SAP Business One installation. Follow the steps under the section that describes your environment.

## On-premises or private cloud, MS SQL Server, SBO 9.3 or earlier

If you have an **on-premises or private cloud** installation of SAP Business One **Version 9.3 or older**, based on Microsoft **SQL Server** then please refer to the following steps. Note that the **Integration Framework** must be installed already.

1. Import the **Integration Framework Scenario Package**. Copy the **Trigger** URL as described in the linked page and temporarily save it somewhere.
2. Create the **Management Database**
    1. Use the Trigger URL for the **APIURL** column of the companies table.
3. Use **cobiwms-config.html** to generate a Settings QR Code.
4. Install COBI.wms from the Google Play Store and scan the Settings QR Code.

## On-premises or private cloud, with Service Layer

If you have an **on-premises or private cloud** installation of SAP Business One with **Service Layer available** (which means it is either based on SAP HANA, or the version of SAP Business One is 10.0 or newer) then follow these steps:

1. Create the **Management Database**
    1. Create the database itself by copy-pasting the correct creation script into *SQL Server Management Studio* or *HANA Studio*
    2. Import licenses by using the appropriate `INSERT` statement from the Management Database documentation
    3. Add SAP Business One connections by using the appropriate `INSERT` statement from the Management Database documentation
2. (For HANA: Install and start the **HANA Proxy**)
3. Install COBI.wms from the Google Play Store on an Android device that can access the SAP Business One server
4. Make sure that the TCP ports for direct database connections are not blocked
    1. 1433 for MS SQL Server
    2. 30075 for HANA Proxy
    3. 50000 (https) or 50001 (http) for Service Layer
5. (optional) Use **cobiwms-config.html** to generate a Settings QR Code
6. Open COBI.wms on the Android device and scan the Settings QR Code (or enter the settings manually)
7. Click Connect and take note of the device ID on the right side of the screen below the Login

button
8. Assign a license to that device ID (see Management Database documentation again)
9. Log in to COBI.wms with an empty username/password and make a test booking
10. (optional) Create COBI.wms users in the Management Database
11. (optional) Disable all modules for devices and enable them individually for users instead to force user login

## Public cloud

If you are using SAP Business One from a public cloud (SAP-hosted or partner-hosted) then your provider **must make Service Layer available** and setting up the app is very easy. Just use **cobiwms-config.html** to generate a Settings QR Code for a Cloud connection.

## All types of installation

There are some steps you might need to take which are independent of the SAP Business One installation:

- **DataWedge Settings**: If you have a Zebra scanner, see this page.
- **Barcode scanning via Bluetooth**: See here for special instructions regarding Bluetooth-based barcode scanners.
- **App Options**: COBI.wms has many options to customize the app for your needs.
- **Print Settings**: See here for connecting to ZPL-based label printers.
- **Label Templates**: See here for a guide on designing COBI.wms label templates.

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Last update: **2021/08/02 12:34**