
Getting Started with BarTender® Print Connector for Dynamics 365 Business Central

User Guide

Supports BarTender® Print Connector for Dynamics 365 Business Central

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Getting Started with BarTender Print Connector for Dynamics 365 Business Central

BarTender® enables organizations around the world to improve safety, security, efficiency, and compliance by creating and automating the printing and control of labels, barcodes, RFID tags, plastic cards, and more. BarTender gives you the tools to easily and efficiently design labels and templates; to configure and connect to data sources and business systems; and to launch print commands from any system, operating system (OS), or device.

BarTender Print Connector for Dynamics 365 Business Central is a plug-in for Business Central that provides a dedicated, user-configurable solution to integrate the BarTender world-class print engine directly into Business Central. You can design labels by using BarTender Cloud templates and then map data fields from Business Central to data fields in your labels. Then, you can print labels from any list or form in Business Central, such as Items, Purchase Orders, Sales Orders, and so on.

When you install BarTender Print Connector, you download a free 30-day trial of the software. To continue using BarTender Print Connector after 30 days requires a separate subscription.

Related-Field Support

Related field support in the Microsoft Business Central connector enables labels that include complex data relationships. These labels can use multiple related fields to pull data from multiple related tables, even if related tables have no matching rows. This eliminates redundant data entry and reduces errors by pulling data directly from the authoritative source, and it supports common labeling scenarios such as serialized, compliance, and branding without forcing users to pre-merge data outside BarTender Cloud.

Microsoft Business Central connects to multiple tables within the system using pre-defined relationships, such as product ID, order number, or batch code. The connector always returns the base record for printing. Related fields are populated when matches exist and remain empty/null when they don't. Label fields are automatically filled from the base and related tables at print time.

When you preview a label containing joined table data before printing, the joined data set displays only matching records. Previewing joined table data before printing enables you to verify that fields map correctly to label templates. When an error occurs during printing, the print does not fail or display incomplete data; instead, when a key does not exist in all joined tables, the label either does not print or prints with an error message, depending on configuration, and an error is logged for review.



When using inner-join queries on large datasets, the high-volume label printing executes efficiently and does not cause delays.

Requirements

To use BarTender Print Connector, you must be running the following applications:

- BarTender Cloud with the Automation subscription plan
- Microsoft Dynamics 365 Business Central (cloud or on-premises)

Prerequisites

Before you can use BarTender Print Connector to print your documents, you must do the following:

- Install BarTender Print Connector. To do this, use one of the following methods:
 - In the Microsoft AppSource store, search for "BarTender," and then click to download and install the plug-in.
 - In Business Central, enter "BarTender" in the search box, click **BarTender Print Connector** under Get from Microsoft AppSource, and then click to download and install the plug-in.
- Register BarTender Print Connector in BarTender Cloud. For more information, refer to the "Configuring Password-Based Access" section in [Authentication](#) in the BarTender Cloud help system.
- Configure a BarTender Cloud user account that has password-based access to the BarTender Cloud REST API. For more information, refer to [Managing Users](#) in the BarTender Cloud help system.



We recommend that you use a BarTender Cloud user account that is created specifically for use with Business Central.

Connecting to BarTender Cloud

To print your labels to BarTender Cloud from within Business Central, you must enter connection information for the BarTender Cloud account that you want to use, and then sync the data libraries between BarTender Cloud and Business Central. When you sync the data libraries, a list of all available printers, label templates, and template data fields is imported through BarTender Print Connector into Business Central for you to use to configure template mappings.

To connect Business Central to BarTender Cloud and sync the data libraries

1. In Business Central, click the search icon in the top right corner, and then enter "BarTender" in the search box.
2. Under Go to Pages and Tasks, click **BarTender Setup**.





The first time that you open the BarTender Setup page, you are prompted to allow BarTender Print Connector to make a request to an external service. Select **Allow Always**, and then click **OK**.

3. On the BarTender Setup page, configure the following settings:
 - **Root URL:** Enter the base URL of your BarTender Cloud tenant, if it is not already specified. You can obtain the URL by logging in to BarTender Cloud and copying it from the address bar in your browser.

The base URL uses the following format:

```
https://<OrganizationDomain>.<Region>.bartendercloud.com/
```

 - The Organization Domain can be found on the BarTender Cloud Global Settings page (Administration > Settings > Global Settings) in the Organization Domain ID field.
 - The Region uses one of the following:
 - **am1** for the Americas
 - **eu1** for Europe
 - **ap1** for APAC
 - **ApplicationId:** Enter your BarTender Cloud application ID, which is located in BarTender Cloud on the API Keys page in the Administration section. In the  menu, click **View ID & Secret**.
 - **Client Secret:** Enter your BarTender Cloud client secret, which is located in BarTender Cloud on the API Keys page in the Administration section. In the  menu, click **View ID & Secret**.

For more information about the application ID and client secret, refer to [BarTender Cloud API Page](#) in the BarTender Cloud help system.

- **Username:** Enter your BarTender Cloud user name.
 - **Password:** Enter your BarTender Cloud password.
 - **Print Timeout:** Optionally, configure the number of seconds that you want to elapse before a BarTender print job times out. For example, you might want to lengthen the print timeout period if you find that some print jobs take longer than expected to complete. The maximum value is 30 seconds.
4. Click **Test Connection** to verify that the connection information is correct.
 5. Click **Sync Libraries** to sync your BarTender Cloud printer, label template, and template data field data with Business Central.
 6. Click the back button to exit the **BarTender Setup** page.

BarTender Setup

Test Connection

Sync. Libraries

Automate

Fewer options

General

Root URL	https://ap1.bartendercloud.com/	Username	lisa.sp1@seagullscientific.com
ApplicationId	vgtlMXtWAEZuVtUimdyuXGndp...	Password	●●●●●●●●
Client Secret	JiBbA-tdotPjGronufo7dcm2-d...	Print Timeout (in seco...	60

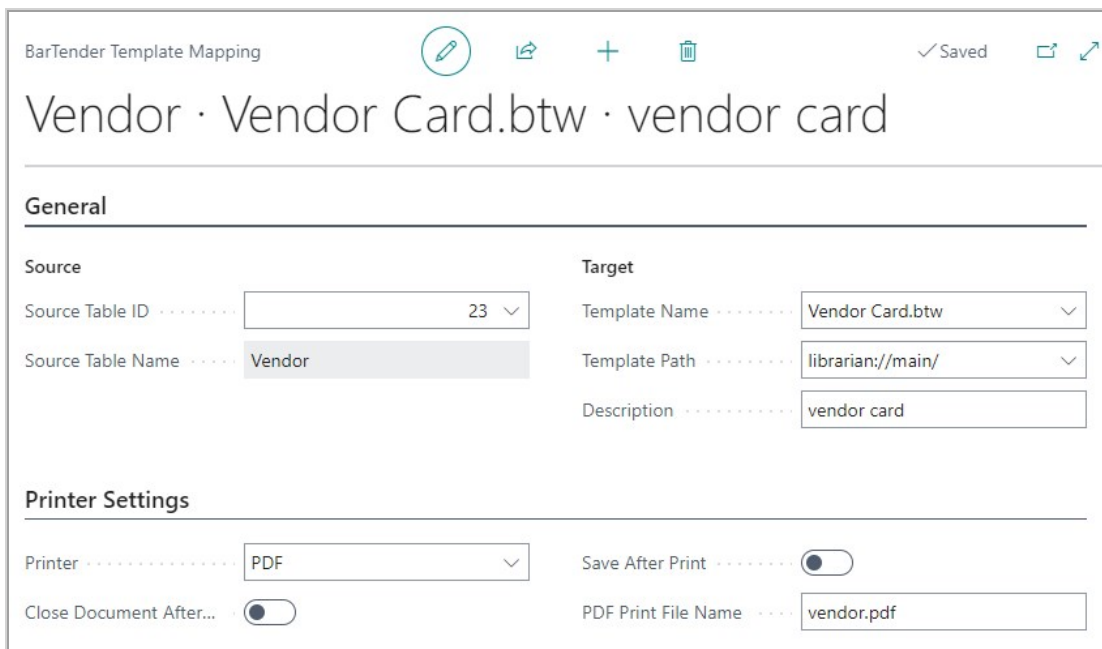
Configuring Template Mappings

Before you can print to BarTender Cloud from Business Central, you must configure template mappings to link the source tables and database fields in Business Central to the target fields in your BarTender label template. When you configure a data source that pulls fields from multiple related tables in a relational database, only records with matching keys across all selected tables are returned.

Define a new data source, where at least two tables share a common key, and specify the tables and inner join condition.

To configure template mappings

1. In Business Central, click the search icon in the top right corner, and then enter "BarTender" in the search box.
2. Under Go to Pages and Tasks, click **BarTender Template Mappings**.
3. On the BarTender Template Mappings page, click **New**.
4. In the General area of the BarTender Template Mapping page, configure the following settings:
 - **Source Table ID:** Select the ID of the Business Central table that you want. When you do this, the Source Table Name field automatically displays the name of the selected table.
 - **Template Name:** Select the name of the BarTender template that you want. When you do this, the Template Path field automatically displays the path of the selected template in BarTender Cloud.
 - **Description:** Enter a friendly description for the mapping. This description is displayed to users at print time.



BarTender Template Mapping

Vendor · Vendor Card.btw · vendor card



General

Source	Target
Source Table ID 23	Template Name Vendor Card.btw
Source Table Name Vendor	Template Path librarian://main/
	Description vendor card




Printer Settings

Printer PDF	Save After Print <input checked="" type="checkbox"/>
Close Document After... <input checked="" type="checkbox"/>	PDF Print File Name vendor.pdf

5. In the Printer Settings area, configure the following settings:
 - **Printer:** Select the printer that you want to send the print job to.
 - **Save After Print:** Optionally, turn on this option to save the BarTender document in BarTender Cloud after it is printed.
 - **Close Document After Print:** Optionally, turn on this option to close the BarTender document after it is printed.
 - **PDF Print File Name:** Enter a name for the saved PDF file. *Available when **PDF** is selected in the **Printer** field.*

6. In the Field Mapping area, map source fields to target fields in the table by configuring the following settings:
 - **Related Table No.:** Enter the ID of the related table containing the source field to be mapped from. Optionally, you may leave this field blank to choose source fields from the base source table. This field impacts the available option for Source Field No. To do this, follow these steps:
 - i. Click the input box, and then click .
 - ii. In the Table Relations List page, select the field that you want, then click **OK**. The Table Relations List page closes, and the Related Table Name field on the BarTender Template Mapping page automatically displays the name of the selected table.
 - **Source Field No.:** Enter the ID of the source field to be mapped from. To do this, follow these steps:
 - i. Click the input box, and then click .
 - ii. In the Fields Lookup page, select the field that you want, and then click **OK**. The Fields Lookup page closes, and the Source Field Name field on the BarTender Template Mapping page automatically displays the name of the selected field.
 - **Target Field Name:** Enter the name of the target field to be mapped to. To do this, click the input box, and then select the field name in the list.

To add more mappings, click the next row and repeat this step to configure additional source and target fields.

Field Mapping  					
Related Table No.	Related Table Name	Source Field No.	Source Field Name	Target Field Name ↑	
→		3	No.	Text1	
1	Location Code	2	Name	Text2	
1	Bill-to Customer No.	7	City	Text3	

7. Click the back button to close the BarTender Template Mapping page. Your new template mapping appears on the BarTender Template Mappings page.
8. Click the back button to exit the BarTender Template Mappings page.

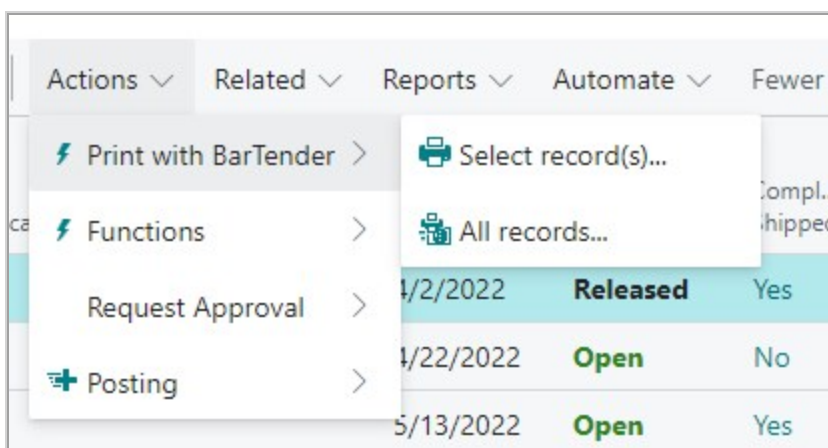
Printing to BarTender Cloud

By using BarTender Print Connector, you can print labels from any list, form, or line in a Business Central card for which template mappings have been configured.

Printing from Lists

To print a label template from a list in Business Central

1. Navigate to a Business Central card for which template mappings are configured, and then select the records in the list that you want to print.
2. On the toolbar, click **Actions**. (If this menu is not visible, click **More options** to display more toolbar menus.)
3. Point to Print with BarTender, then click **Selected record(s)** to print only the currently selected records, or **All records** to print all the records in the current list view.



4. In the Select Template and Printer for Printing dialog, select the template and printer that you want to use, enter a file name for the PDF output file if you are printing to PDF, then click **OK**.

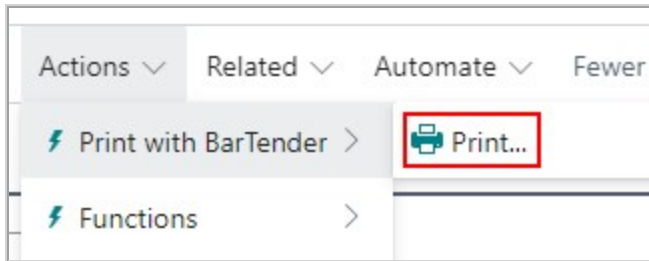
The record is sent to BarTender Cloud for printing. If you selected PDF for the printer, the PDF file is downloaded.

Printing from Forms

To print a label template from a record form in Business Central

1. Navigate to a Business Central card for which template mappings are configured, then select the record in the form that you want to print.
2. On the toolbar, click **Actions**. (If this menu is not visible, click **More options** to display more toolbar menus.)

3. Point to Print with BarTender, then click **Print**.



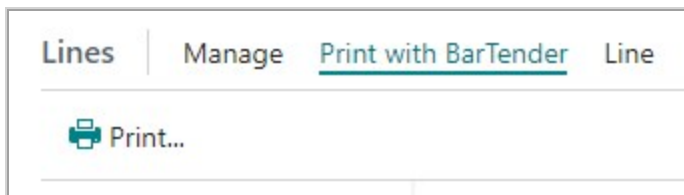
4. In the Select Template and Printer for Printing dialog, select the template and printer that you want to use, enter a file name for the PDF output file if you are printing to PDF, then click **OK**.

The record is sent to BarTender Cloud for printing. If you selected PDF for the printer, the PDF file is downloaded.

Printing from Lines

To print a label template from a line in Business Central

1. Navigate to a Business Central card for which template mappings are configured, then in the Lines area select the record that you want to print.
2. On the toolbar, click **Print with BarTender**, and then click **Print**.



3. In the Select Template and Printer for Printing dialog, select the template and printer that you want to use, enter a file name for the PDF output file if you are printing to PDF, then click **OK**.

The record is sent to BarTender Cloud for printing. If you selected PDF for the printer, the PDF file is downloaded.

Viewing BarTender Cloud Requests

BarTender Print Connector logs requests to and responses from BarTender Cloud in addition to other print job details. If you need to contact the Technical Support team, you might be asked to provide this information to aid in troubleshooting.


This information is displayed on the BarTender Integration Entries page. To view this page:

1. In Business Central, click the search icon in the top right corner, and then enter "BarTender" in the search box.
2. Under Go to Pages and Tasks, click **BarTender Integration Entries**.

The BarTender Integration Entries page includes a table that lists all the recent GET and POST requests, with the newest entry at the top. This table includes request URIs, request and response bodies, print job status, and other details. You can filter this table by the search term that you enter.

Using the User Interface

The BarTender Print Connector user interface consists of several pages that are integrated with the Business Central interface.

You can bookmark each of these pages for quick access the next time that you sign in. To do this, click  on the page's toolbar.

BarTender Setup Page

In Business Central, search for "BarTender," then click **BarTender Setup** to display this page, which you can use to set up BarTender Print Connector properties and settings, test your connection to BarTender Cloud, and synchronize your data libraries.

The following options are available:

- **Test Connection:** Tests the connection between Business Central and BarTender Cloud.
- **Sync Libraries:** Synchronizes the data libraries that contain printers, label templates, and template data fields between Business Central and BarTender Cloud.
- **Root URL:** Specifies the root URL of your BarTender Cloud account.
- **ApplicationId:** Specifies your BarTender Cloud application ID.
- **Username:** Specifies your BarTender Cloud user name.
- **Password:** Specifies the password for your BarTender Cloud account.
- **Print Timeout:** Specifies the number of seconds that you want to elapse before a BarTender print job times out.


BarTender Printers Page

After you connect Business Central to BarTender Cloud and sync the data libraries, you can use the BarTender Printers page to view the printers that are available to send your print jobs to. In Business Central, search for "BarTender," and then click **BarTender Printers** to display this page.

Use the Business Central filter options to view only those printers that you want to be displayed. You can also add, edit, and delete printers from the list.

The following options are available:

- **Search:** Filters the printer list by the search term that you enter.
- **New:** Adds a row to the printer list so that you can manually add a new printer.
- **Edit List:** Makes the printer list editable so that you can add, rename, or delete a selected printer.
- **Delete:** Deletes the selected printer.

You can click the Printer ID column header to sort and filter the list. Click  for a printer to view the available options.

BarTender Templates Page

After you connect Business Central to BarTender Cloud and sync the data libraries, you can use the BarTender Templates page to view your connected BarTender label templates. In Business Central, search for "BarTender," and then click **BarTender Templates** to display this page.

The following options are available:

- **Search:** Filters the template list by the search term that you enter.
- **Fields:** Displays the BarTender Template Fields page for the selected template. This page lists the data fields that occur in the template. You can filter and sort these fields by entering a search term or by clicking the Field Name column header.

The following columns are available in the list:


- **Template Path:** Specifies the directory in which the selected template resides.
- **Template Name:** Specifies the name of the template.
- **Version:** Specifies the version number of the template.

BarTender Template Mappings Page

In Business Central, search for "BarTender," then click **BarTender Template Mappings** to display this page. You can use the BarTender Template Mappings page to view, edit, and delete the mappings that connect tables and database fields in Business Central to the fields in the BarTender template that you want to print. You also use this page to open the BarTender Template Mapping page to create new mappings or edit an existing mapping.

The following options are available:

- **Search:** Filters the template mapping list by the search term that you enter.
- **New:** Displays the BarTender Template Mapping page, which you can use to create a new template mapping for the selected template. For more information, refer to [Configuring Template Mappings](#).
- **Manage:** Displays the following options:
 - **Edit:** Displays the BarTender Template Mapping page, which you can use to edit the selected template mapping.
 - **View:** Displays the BarTender Template Mapping page in read-only mode, which you can use to view the settings of the selected template mapping.
 - **Delete:** Deletes the selected template mapping.

Click  next to a template name to view the available options. When you click **Edit**, the BarTender Template Mapping page is displayed so that you can edit the existing mapping for the selected template.

BarTender Template Mapping Page

You can use the BarTender Template Mapping page to create a new template mapping to connect a Business Central table to the fields in the BarTender template that you want to print. You can also use this page to edit an existing mapping.

To open BarTender Template Mapping page

- Click **New** on the [BarTender Template Mappings](#) page.


General

- **Source**
 - **Source Table ID:** Specifies the ID of the Business Central table that you want.
 - **Source Table Name:** Displays the name of the Business Central table. *Read-only.*
- **Target**
 - **Template Name:** Specifies the name of the BarTender template that you want.
 - **Template Path:** Displays the path of the specified BarTender template in BarTender Cloud.
 - **Description:** Specifies a description for the mapping.

Printer Settings

- **Printer:** Specifies the name of the printer that you want to print to.
- **Save After Print:** Specifies that the BarTender document is saved in BarTender Cloud after the print job runs.
- **Close Document After Print:** Specifies that the BarTender document is closed after the print job runs.
- **PDF Print File Name:** Specifies the file name that you want to use for the PDF output file. *Available when PDF is selected in the Printer field.*

Field Mapping

- **Manage:** Displays the New Line and Delete Line options, which you can use to add or remove rows from the Field Mapping table. You can pin these options to the top of the table.
- **Source Field No.:** Specifies the ID of the source field to be mapped from. Click in this field, and then click  to display the Fields Lookup page so that you can select the field that you want.

- **Source Field Name:** Displays the name of the source field. *Read-only.*
- **Target Field Name:** Specifies the name of the target field that you want the source field to be mapped to.

BarTender Field Mappings Page

After you create template mappings from your source tables in Business Central to your BarTender templates, you can use the **BarTender Field Mappings** page to view information about the individual field mappings for each template. In Business Central, search for "BarTender," and then click **BarTender Field Mappings** to display this page.

You can also use this page to display the BarTender Templates page, which includes a complete list of all available BarTender label templates. To do this, click a template, and then click **Open full list**.

The following option is available:

- **Search:** Filters the template list by the search term that you enter.

The following columns are available in the list:

- **Template Name:** Specifies the name of the template.
- **Description:** Specifies the description of the template.
- **Source Table ID:** Specifies the ID value of the table in Business Central.
- **Target Field Name:** Specifies the name of the target field in the BarTender template.
- **Source Field No.:** Specifies the ID value of the source field in Business Central.
- **Source Field Name:** Specifies the name of the source field in Business Central.

BarTender Integration Entries Page

After you connect Business Central to BarTender Cloud and sync the data libraries, you can use the BarTender Integration Entries page to view back-end requests to and responses from BarTender Cloud in addition to other print job details. This information can be used for troubleshooting. In Business Central, search for "BarTender," and then click **BarTender Integration Entries** to display this page.

To download a printed PDF output file

1. On the BarTender Integration Entries page, select the entry that you want. Make sure that the response body for the entry includes **%PDF**.
2. As needed, show the Actions menu by clicking **More Options**.
3. Click **Actions**, and then click **Download PDF**.

Related Documentation

Technical Documents

- Getting Started with BarTender Cloud

To view and download technical documents, visit:

<https://www.seagullscientific.com/resources/white->

[papers/](#)Other Resources

- [BarTender Software Website](#)
- [BarTender Support Center](#)
- [BarTender Cloud Online Help System](#)
- [BarTender Online Help System](#)

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