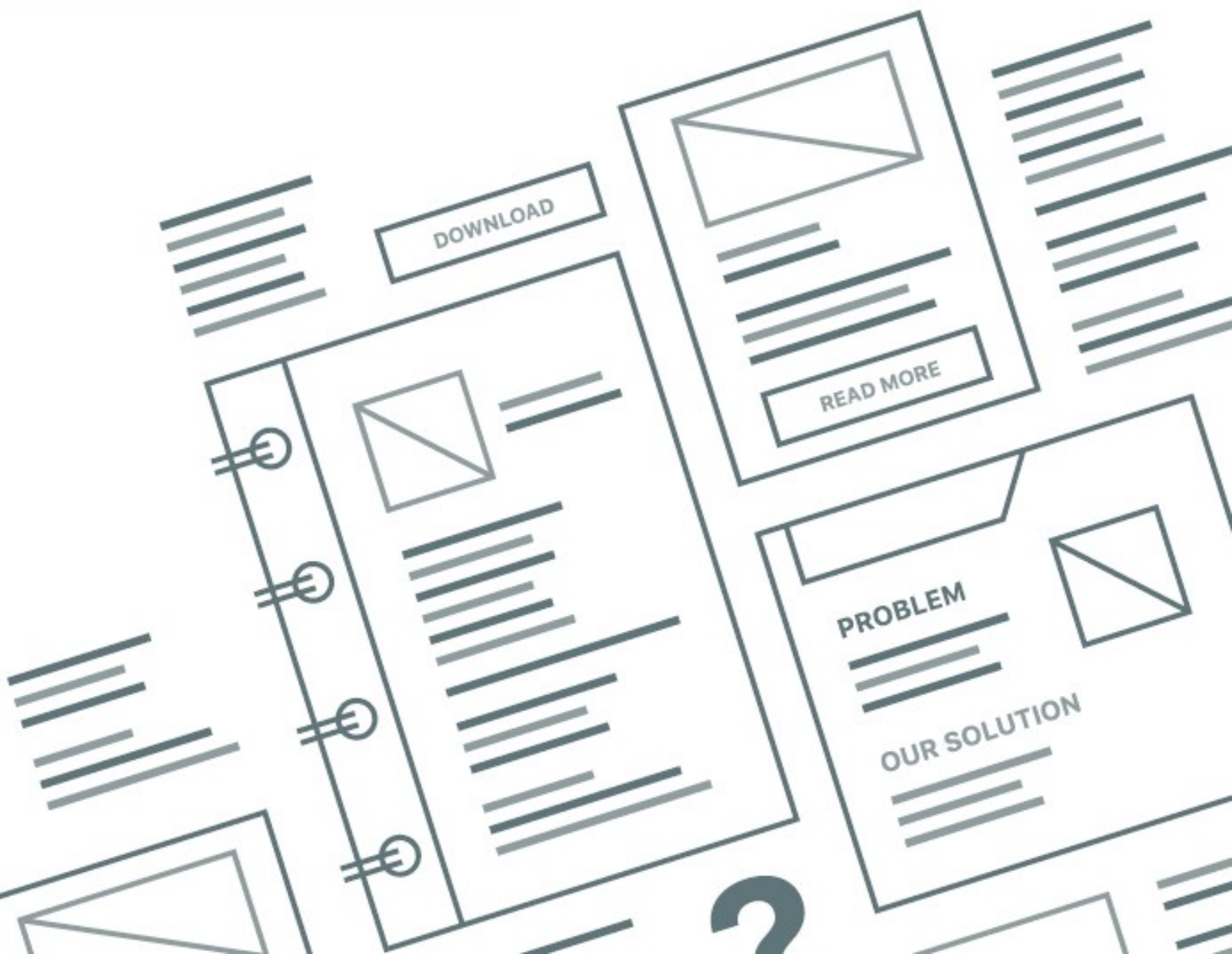![BarTender® BY SEAGULL SCIENTIFIC]

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

USER GUIDE

SUPPORTS: BARTENDER® PRINT CONNECTOR FOR DYNAMICS 365 BUSINESS CENTRAL

Contents

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.

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.

> **Note:** 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, follow these steps:

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**.

> **Note:** 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.

        For example, the base URL resembles one of the following:

        - https://am1.bartendercloud.com/

        - https://eu1.bartendercloud.com/

        - https://ap1.bartendercloud.com/

    - **ApplicationId**: Enter your BarTender Cloud application ID, which is located in BarTender Cloud on the **BarTender Cloud API** property page of the Manage Cloud Account view.

        For more information, refer to [BarTender Cloud API Property 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

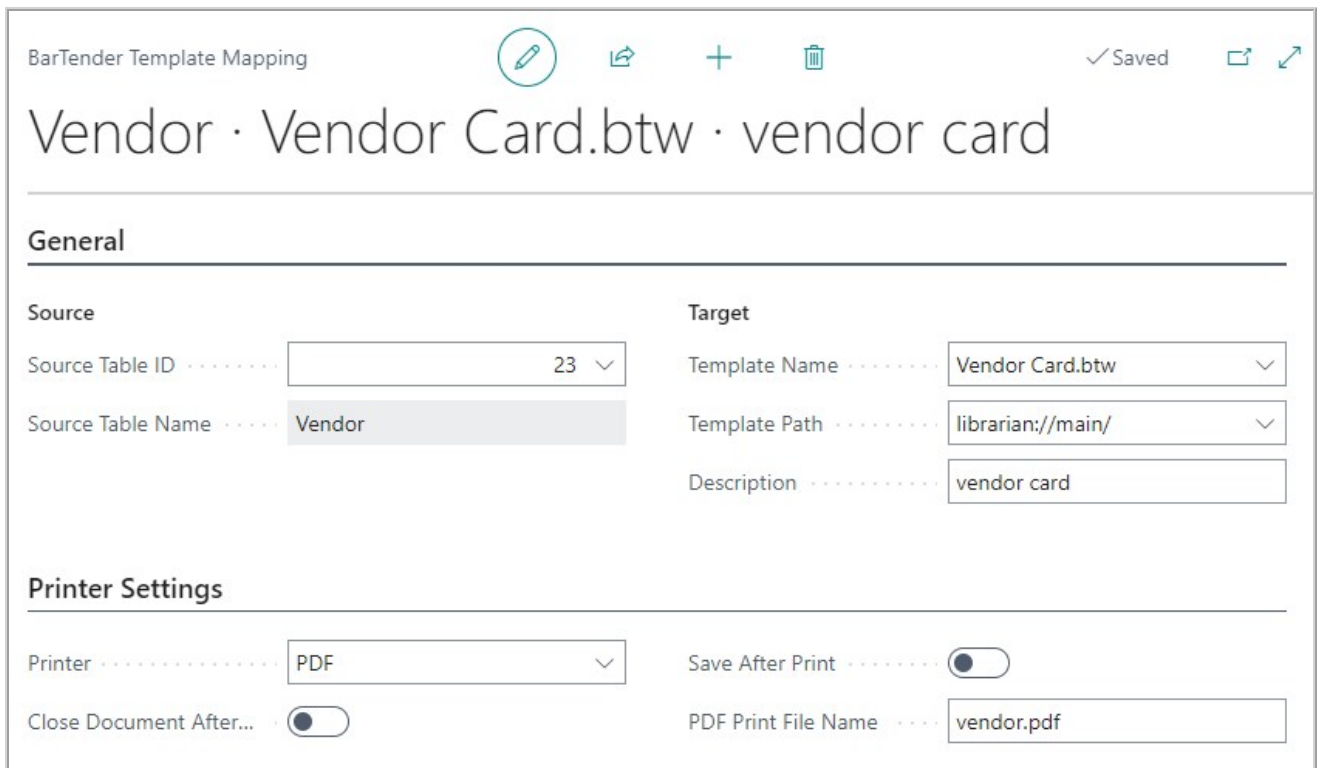🔗 Test Connection 📋 Sync. Libraries | More options

General

Root URL · · · · · · · · · · ·	https://am1.bartendercloud.com/	Password · · · · · · · · · · ·	··········
ApplicationId · · · · · · · ·	CxomebiOXunJuBtM68TVIstQOJb	Print Timeout (in seco... ·	
Username · · · · · · · · · ·	jdoe@delellis.com		

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.

To do this, follow these steps:

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.

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:

- **Source Field No.:** Enter the ID of the source field to be mapped from. To do this, follow these steps:

    1. Click the input box, and then click ⸬⸬⸬ .

    2. 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	Manage		
Source Field No. ↑	Source Field Name		Target Field Name
2	First Name		Name
6	Job Title		JobTitle
*			*

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, follow these steps:

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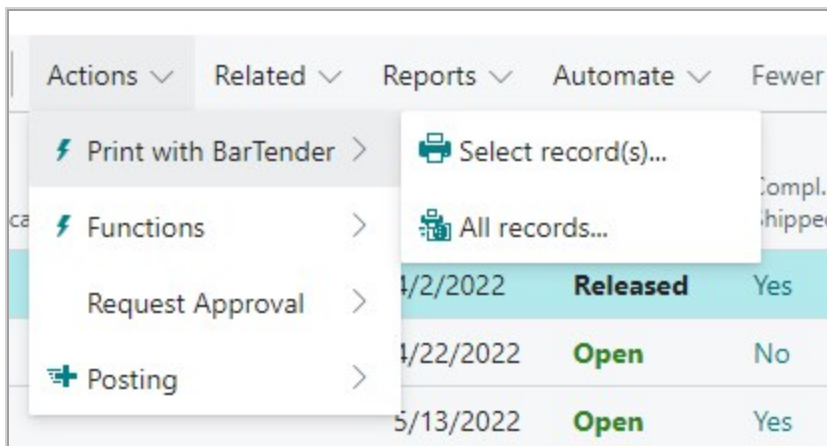
4. In the **Select Template and Printer for printing** dialog, select the template and printer that you want to use, enter a file name for the PDF output file if you are printing to PDF, and then click **OK**.

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, follow these steps:

1. Navigate to a Business Central card for which template mappings are configured, and 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**, and 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, and then click **OK**.
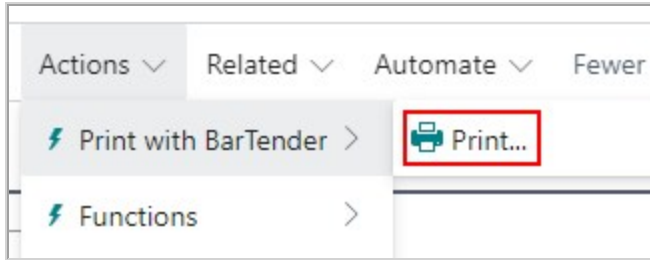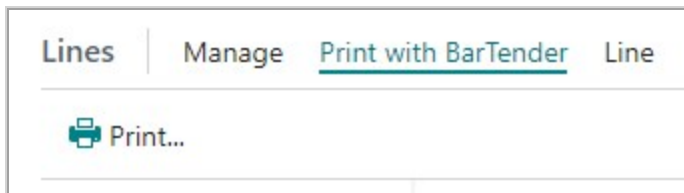
The record is sent to BarTender Cloud for printing. If you selected **PDF** for the printer, the PDF file is downloaded.

Printing from Lines

To print a label template from a line in Business Central, follow these steps:

1. Navigate to a Business Central card for which template mappings are configured, and then select the record in the **Lines** area 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, and 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, follow these steps:

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," and 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 see options to delete the selected printer or to select additional printers.

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," and then click **BarTender Template Mappings** to display this page, which you can use 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 see options to view, edit, or delete the selected template or to select additional templates. 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 this page, click **New** on the [BarTender Template Mappings](#) page. The following options are available.

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.

You can also use this page to download a printed PDF output file. To do this, follow these steps:

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
  https://www.seagullscientific.com

- BarTender Support Center
  https://support.seagullscientific.com

- BarTender Cloud Online Help System
  https://help.seagullscientific.com/BarTenderCloud/Help/en/

- BarTender Online Help System
  https://help.seagullscientific.com