

Espresso Barcoding

SYSPRO 8

Reference Guide

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Espresso Barcoding

Exploring

Where does it fit in?

This lets you associate a barcode or quick reference code to a SYSPRO item (e.g. stock code). You can then use a camera-enabled device to scan or capture the codes and display the information in ***SYSPRO Espresso***.

This simplifies processes such as queries on stock items, bin transfers, receipts and stock takes.

Items that can be scanned include:

- Stock codes
- Warehouses
- Quantity
- Document number
- Bin number
- Lot number

Navigation

- You can scan barcodes in all ***SYSPRO Espresso*** apps on fields where the scan icon () is displayed on the field.

The items that you can scan depend on the fields that have been configured for barcode scanning.

Starting

Prerequisites

- Barcode data must reside in a SQL table in the database (either SYSPRO or custom). This is achieved by generating barcodes or QR codes and then linking them to the items you want to scan using the **Espresso Barcode Configuration** program.

Groups

You can restrict operator access to programs by assigning them to groups and applying access control against the group. This is configured using the **Operator Groups** program.

Restrictions and Limits

- This functionality is not available on a desktop computer or laptop that does not have a camera or built in bluetooth scanner.
- Radio frequency identification (RFID) is not supported.
- Camera scanner functionality in **SYSPRO Espresso** is determined by the system administrator. Values that can be controlled include:
 - **search** - this adds the camera button to every search bar.
 - **browse** - this adds the camera button to all browsable entry fields.
 - **tracked** - this adds the camera button to all tracked fields. A tracked field is any field that performs a calculation when changed.
 - **browser** - this adds the camera button to any of the above locations as configured, but only when the user uses an internet browser to access **SYSPRO Espresso**. Generally the use of the camera is not available in the browser.

Solving

FAQs

Why is the camera button not displayed on all browse fields?

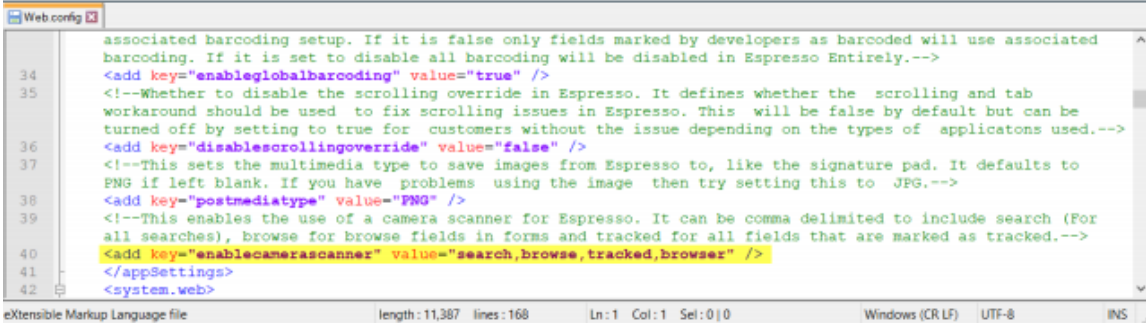
The item you want to scan has either not been associated with a barcode or QR code and/or has not been configured for scanning.

Why can't I scan an item using the camera on my smart phone?

The camera scanning functionality is disabled by default.

Add the following element to the `web.config` file:

```
<add key="enablecamerascanner" value="search,browse,tracked,browser" />
```



```

34 associated barcoding setup. If it is set to disable all barcoding will be disabled in Espresso Entirely.-->
35 <add key="enableglobalbarcoding" value="true" />
36 <!--Whether to disable the scrolling override in Espresso. It defines whether the scrolling and tab
37 workaround should be used to fix scrolling issues in Espresso. This will be false by default but can be
38 turned off by setting to true for customers without the issue depending on the types of applications used.-->
39 <add key="disablescrollingoverride" value="false" />
40 <!--This sets the multimedia type to save images from Espresso to, like the signature pad. It defaults to
41 PNG if left blank. If you have problems using the image then try setting this to JPG.-->
42 <add key="postmediatype" value="PNG" />
43 <!--This enables the use of a camera scanner for Espresso. It can be comma delimited to include search (For
44 all searches), browse for browse fields in forms and tracked for all fields that are marked as tracked.-->
45 <add key="enablecamerascanner" value="search,browse,tracked,browser" />
46 </appSettings>
47 <system.web>
  
```

How do I ensure that the correct scanning details are returned in Espresso?

You must configure the barcode so that the SQL database is aware of the table and field to which the barcode is linked.

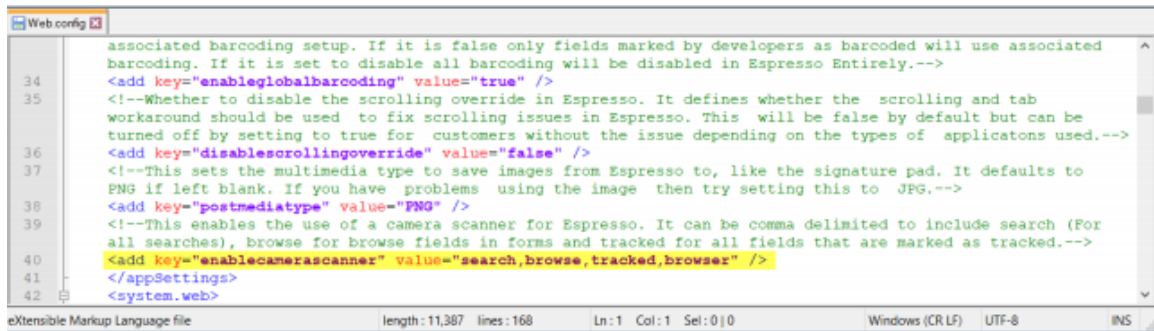
1. Open the [Espresso Barcode Configuration](#) program.
2. From within the **Barcode configuration** pane, enter the location details of the key field and barcode.
3. From within the **Columns to return** pane, specify the details that the database returns once the barcode is scanned.
4. Save your changes.

Using Tasks

How to enable camera scanning in SYSPRO Espresso

1. Open the **SYSPRO Espresso** `web.config` file.
2. Add the following element to the `web.config` file:

```
<add key="enablecamerascanner" value="search,browse,tracked,browser" />
```



```

34 associated barcoding setup. If it is false only fields marked by developers as barcoded will use associated
35 barcoding. If it is set to disable all barcoding will be disabled in Espresso Entirely.-->
36 <add key="enableglobalbarcoding" value="true" />
37 <!--Whether to disable the scrolling override in Espresso. It defines whether the scrolling and tab
38 workaround should be used to fix scrolling issues in Espresso. This will be false by default but can be
39 turned off by setting to true for customers without the issue depending on the types of applicatons used.-->
40 <add key="disablescrollingoverride" value="false" />
41 <!--This sets the multimedia type to save images from Espresso to, like the signature pad. It defaults to
42 PNG if left blank. If you have problems using the image then try setting this to JPG.-->
43 <add key="postmediatype" value="PNG" />
44 <!--This enables the use of a camera scanner for Espresso. It can be comma delimited to include search (For
45 all searches), browse for browse fields in forms and tracked for all fields that are marked as tracked.-->
46 <add key="enablecamerascanner" value="search,browse,tracked,browser" />
47 </appSettings>
48 <system.web>

```

3. Set the `Enable camera scanner` flag to `true`.
4. Save your changes.

How to generate barcodes or QR codes

1. Open your barcode or QR code generator (this is freely available at sites such as www.barcodesinc.com OR www.qr-code-generator.com).
2. Enter the item number into the text box and select **Generate Barcode**.
3. The bar code is displayed and can be scanned.

How to associate existing barcodes or QR codes with stock codes

1. Open the **Stock Code Maintenance** program.
2. Select the stock code to which you want to link a barcode.
3. On the **Stock code details** pane, at the **Other options** section, enter the barcode or QR code at the **Alternate key 1** field.
4. Save your changes.

Espresso Barcode Configuration

Exploring

Where does it fit in?

This program lets you configure a link between a barcode or quick reference code to a table and key field in the SQL database and to indicate the data you want returned to **SYSPRO Espresso**.

Scanning or capturing barcodes does not affect the SYSPRO application; it provides a way of linking a barcode to an existing number in SYSPRO.

Navigation

- This program is accessed from the **Program List** pane of the SYSPRO menu.
Program List > SYSPRO Espresso > Espresso Barcode Configuration

Starting

Groups

You can restrict operator access to programs by assigning them to groups and applying access control against the group. This is configured using the **Operator Groups** program.

Restrictions and Limits

- If the scanned or captured barcode does not exist, the program defaults to its original value. When you've made changes in the **Espresso Barcode Configuration** program, the offline data in **SYSPRO Espresso** must be cleared so that the change can take effect.

Solving

FAQs

How do I ensure that the correct scanning details are returned in Espresso?

You must configure the barcode so that the SQL database is aware of the table and field to which the barcode is linked.

1. Open the **Espresso Barcode Configuration** program.
2. From within the **Barcode configuration** pane, enter the location details of the key field and barcode.
3. From within the **Columns to return** pane, specify the details that the database returns once the barcode is scanned.
4. Save your changes.

Using

Tasks

How to clear offline data in Espresso

When you've made changes in the [Espresso Barcode Configuration](#) program, the offline data in *SYSPRO Espresso* must be cleared so that the change can take effect.

1. Access *SYSPRO Espresso*.
2. Select **Details** to edit the account details.
3. Select **Clear Offline Data**.

Referencing

Menu and Toolbar

Field	Description
New	This adds a new data record.
Save	This saves the details you entered or changed.
Delete	This deletes the data record currently displayed.
Copy	This copies the current data record.

Configured Barcodes

This list view displays all barcodes that have been configured. The barcodes are listed per company.

Barcode configuration

Field	Description
Company	This lets you select the company for which you want to configure barcodes or QR codes.
Key field	This lets you select the key field that you want to associate with the barcode (e.g. <code>StockCode</code>).
SQL table name	This lets you select the SQL table where the key field is located (e.g. <code>InvMaster</code>).
Barcode column	This lets you select the field where you entered the barcode (e.g. <code>AlternateKey1</code>) which you would use to link a barcode to a stock code.

Columns to return

Field	Description
SQL columns	This lets you specify which SQL columns should be returned to SYSPRO Espresso when the barcode is scanned (e.g. <code>StockCode</code>).
Element name	This is the name of the field specific to SYSPRO Espresso that can be seen in the Espresso Application Builder program.



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