



How To

Service Documents from APPI

Document: #HT000172

Document Title: Set Up Labels with Databases

Product(s): LabelView

Foreword:

This document shows how to set up a label in LabelView 9/10/2012/2014/2015 and link it to a database or an Excel spreadsheet.

This document will use an Excel spreadsheet as an example. Your setup will, of course, look different, but the steps are the same.

To accomplish this, a working database connection is required. LabelView has a built-in Database Manager to set this up. Due to administrative access, this is usually performed by a company's IT Department. The database can then be linked to a label.

You can setup the label, and then use the Database Manager to pick an existing connection, or make a new one.

There are two ways of setting up the label:

1. As a Database
2. As a Lookup Function

Note: APPI can NOT help you troubleshoot your data source. Following these steps will only make the connection and set up the label. It will only work on a functional data source. If some fields show up as empty, the data field is likely empty in the source.

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Following are examples of how the screens can look.

Database:

The screenshot shows a software window titled "Print - [BarcodeVerifier test REGULAR.lbl]". The window is divided into two main sections. On the left is a "Print preview" area showing a label for "Premium Products, Inc." with details for a "Washer, rubber" part, including production and packing dates, a barcode, and a lot number. On the right is a "Database" section with a table of records. The table has columns for CatalogItem, ItemDesc, Company, Country, BagItem, Lotnumber, GTIN, and UPC. Record 16 is highlighted in blue.

CatalogItem	ItemDesc	Company	Country	BagItem	Lotnumber	GTIN	UPC
13	22643	Pin, wheel	Bludgeon	Made in U	63011010	89187474	46065014 956
14	22648	Pin, wheel	Bludgeon	Made in U	63011010	88869724	46065014 956
15	23507	Boot, rubt	Premium P	Made in Ir	63011010	38671098	46065014 956
16	23512	Washer, r	Premium P	Made in Ir	63011010	22894753	46065014 956
17	23557	Clutch, me	Premium P	Made in Ir	63011510	81758878	46065014 956
18	23572	Cone, Clu	Premium P	Made in Ir	63011510	21189123	46065014 956
19	23577	V-Belt, 3V	Bludgeon	Made in Ir	63012010	34673196	46065014 956
20	23582	Pulley, K1	Bludgeon	Made in U	63011010	11099608	46065014 956
21	23592	Pin, roller	Half Bakec	Made in M	63011010	52630579	46065014 956
22	23607	Cap, end	Half Bakec	Made in M	63011510	44744278	46065014 956
23	23612	Switch, to	Half Bakec	Made in M	63011010	85227132	46065014 956
24	23622	Clip, tool	Bludgeon	Made in U	63012010	23679171	46065014 956
25	23642	Bracket, m	Lo Pan Inc	Made in C	63011510	81849589	46065014 956
26	23647	Bracket, b	Lo Pan Inc	Made in C	63011010	81448636	46065014 956
27	23652	Screw, 1/4	Lo Pan Inc	Made in C	63011010	05081700	46065014 956
28	23662	Label, K-1	Lo Pan Inc	Made in C	63011510	13751781	46065014 956

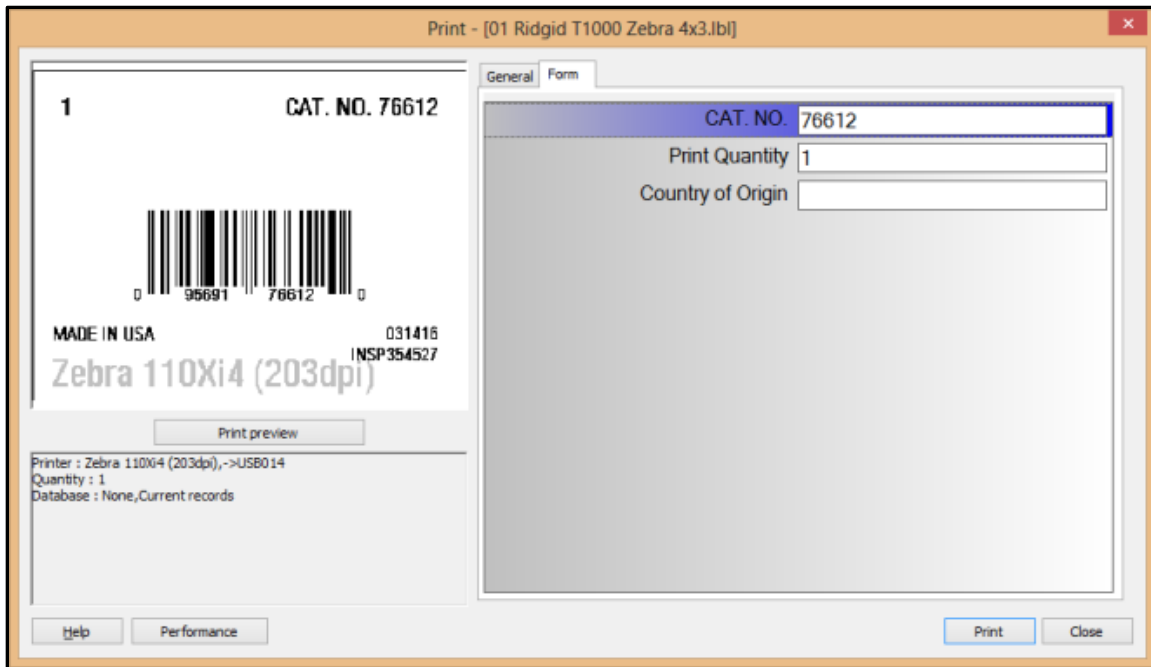
With this you can see the database, and print Current Record, a range of records, or all records. The number of each label to be printed can be set. It is also the easiest way to “stack” print jobs, since you can just click on each record you want to print. In this setup you can also change text manually after looking it up if you allow the fields to be in a form too.



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Lookup:

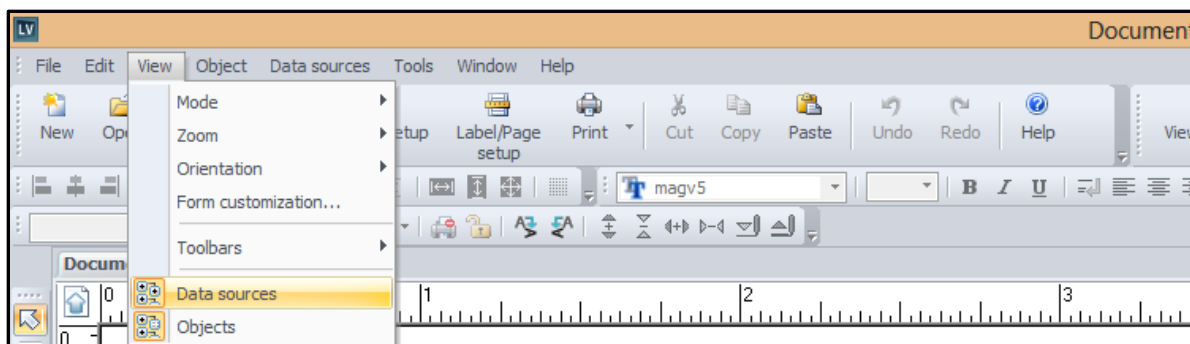


This is a more simplified setup. This setup is more for selecting one record at a time for printing. It works very well with the Reprint function on the Bagger Printer.

Procedure:

Database Manager

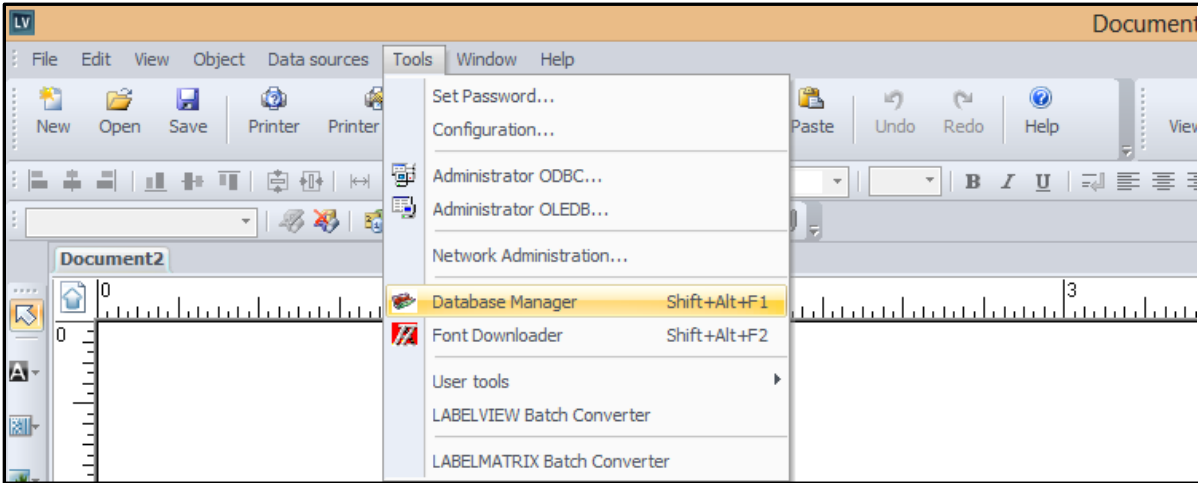
After setting up a working label, click **View – Data Sources**, and **View – Objects**. This is helpful for looking at which sources and objects you have.



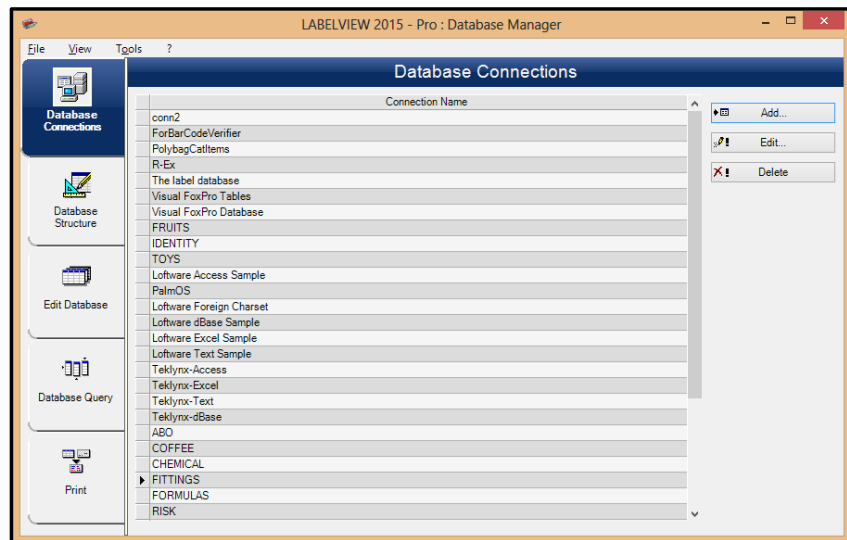
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Click Tools – Database Manager.



When the Database Manager opens, click **Add**.



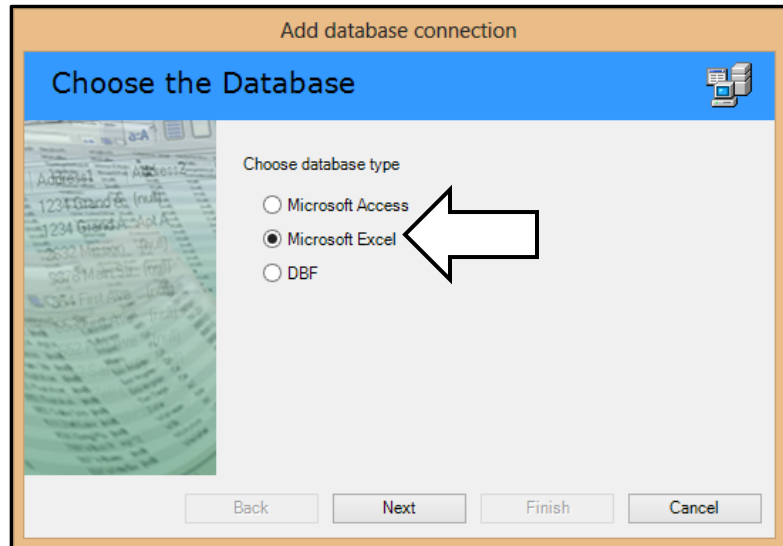


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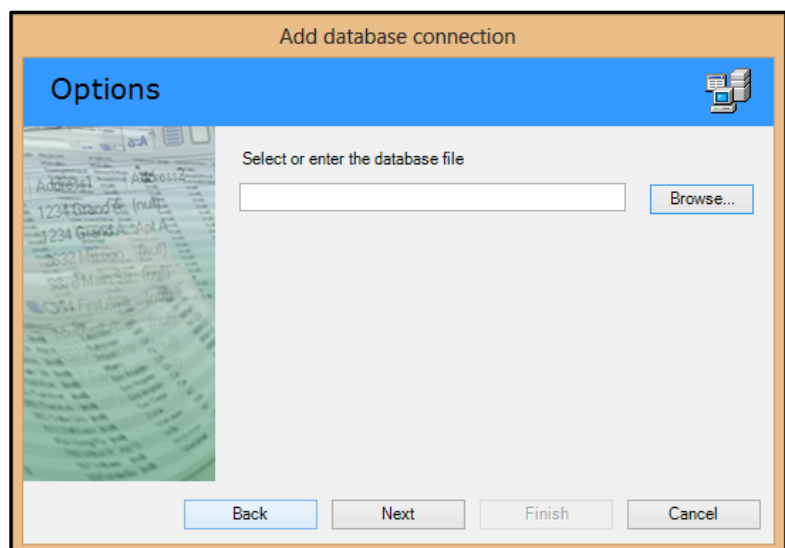
Choose **Database Type**. In this example we will use an Excel spreadsheet.

Click **Next**.



Click **Browse**. Find the Excel spreadsheet you want.

Click **Next**.



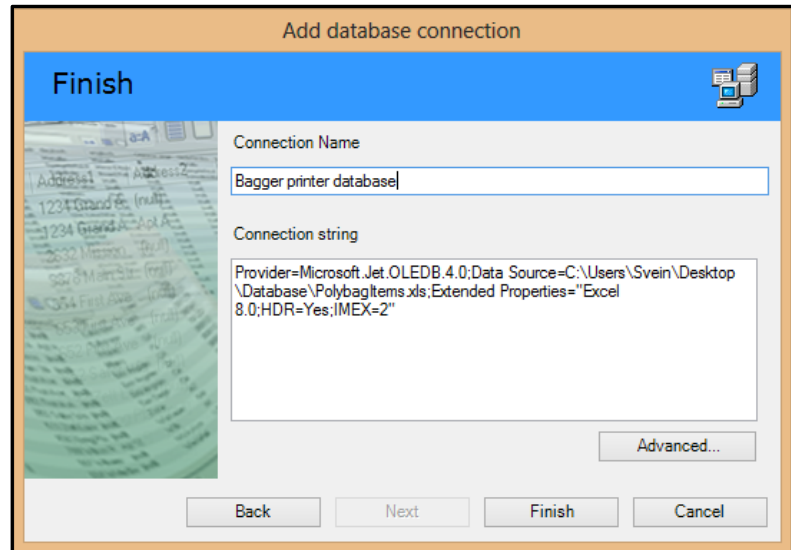


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The Database Manager will show you the connection string, and it will ask you for a connection name. The name can be anything, it just helps you know which connection this is.

Click **Finish**.

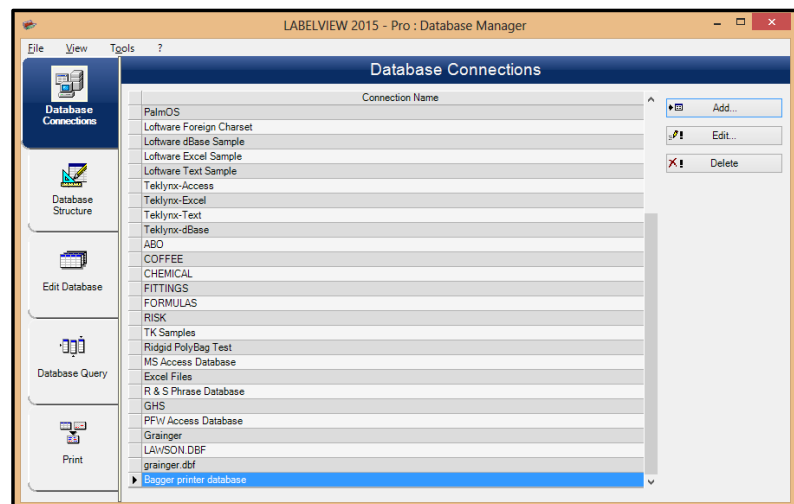


Your new connection is now added to the bottom of your list of connections.

You are now done in the Database Manager.

Click **File – Exit**.

Once this is done, the connection can be used for any label in LabelView.



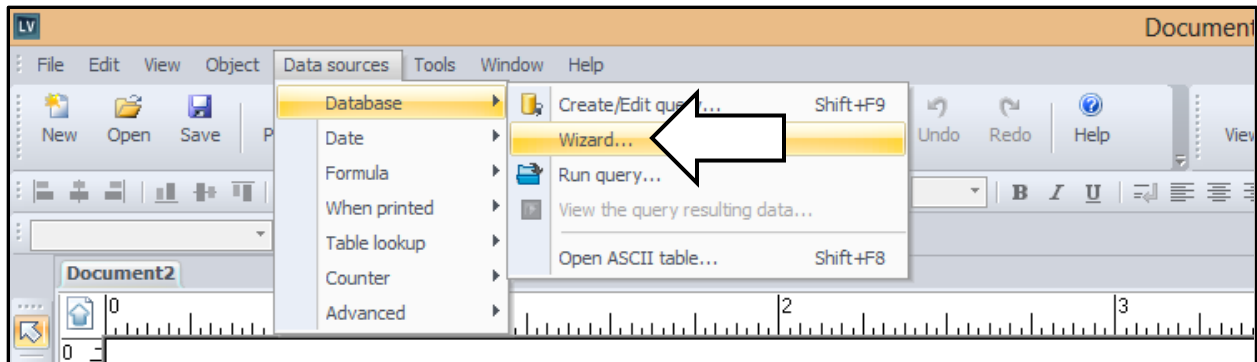


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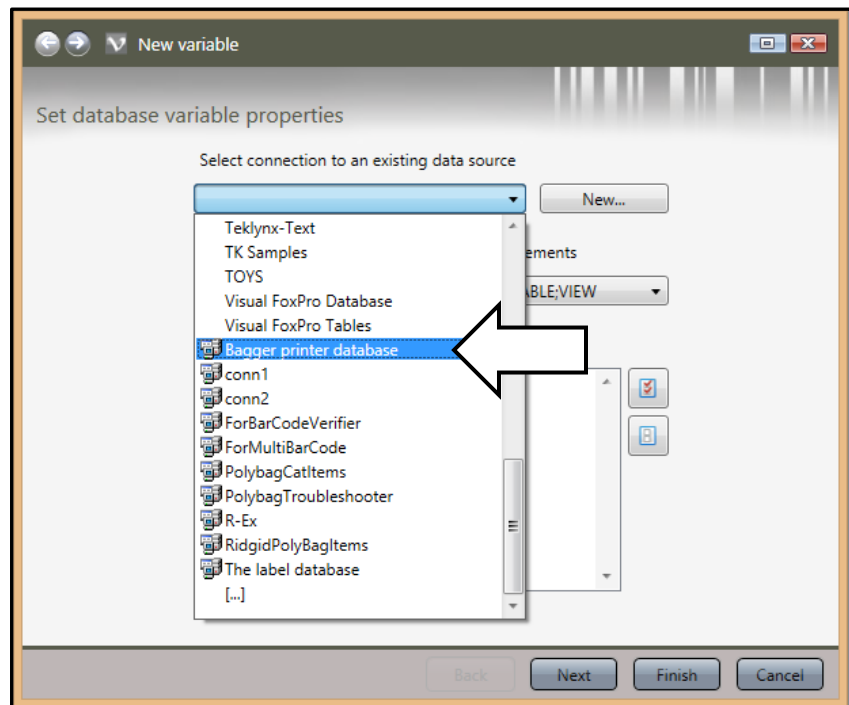
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Label Setup

Click **Data Sources – Database – Wizard**.



Find your connection.





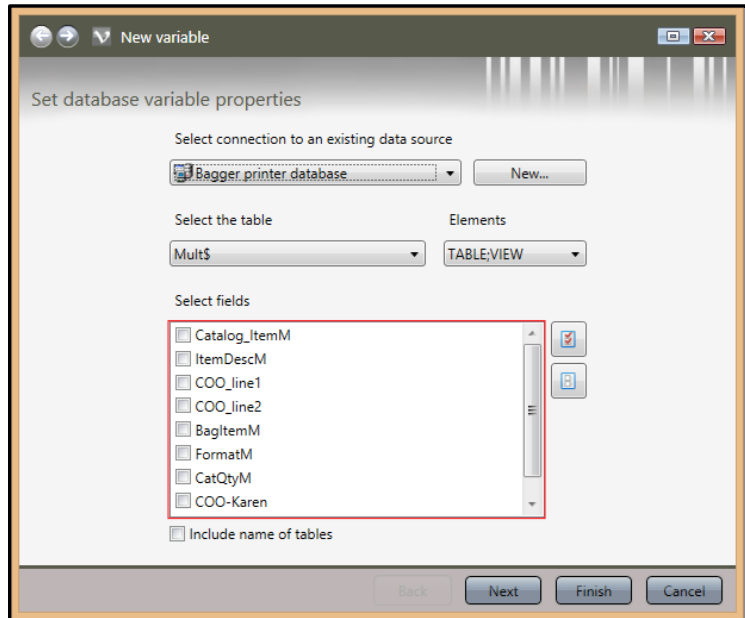
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If the data source has been used before, LabelView may automatically select the right table, or worksheet in this case. If it doesn't, click **Select the table** to choose the correct table. In this example, Excel is being used, and you choose the work sheet you need instead.

Check the fields you need.

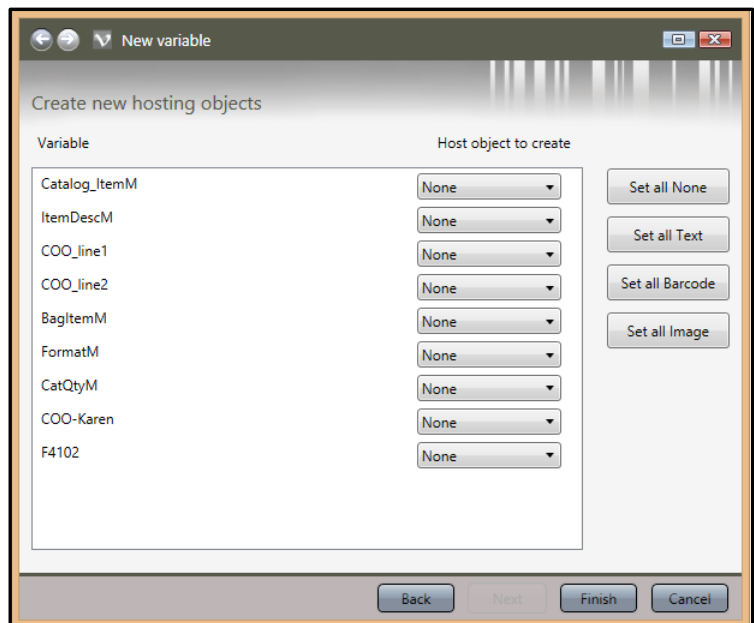
Click **Next**.



On this screen you choose whether you want text/barcode/image.

You can set all the same, or pick and choose.

If you need any items to be barcode and text both, choose text. It can be duplicated as a bar code later.

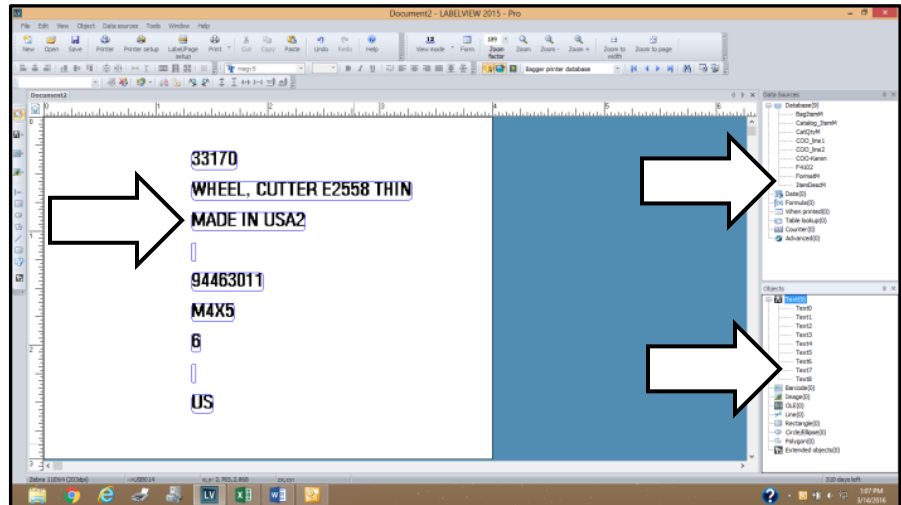


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When you click **Finish**, the label will be populated with your fields.

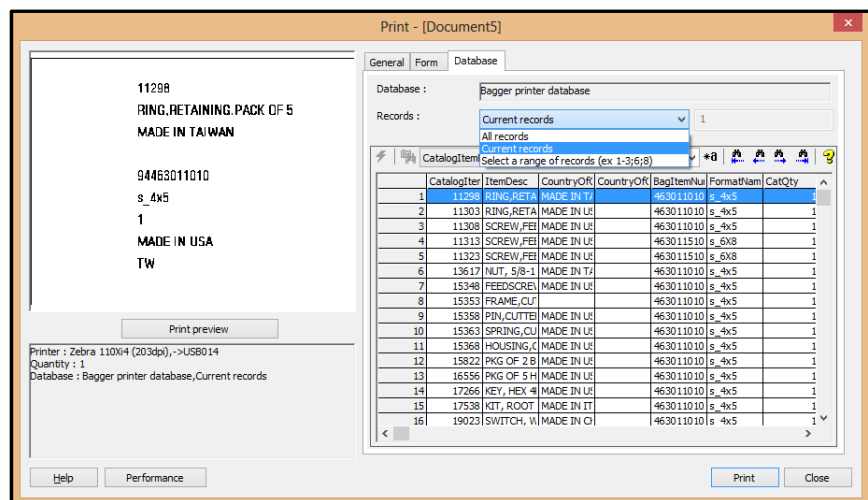
Also notice on the right side of the screen, under Data Sources and Objects, you will see the data fields and the text fields.



The text fields are linked to the data fields, and will show whatever the data fields show.

When printing this label, you can click any record, or search for records.

Records: defaults to current record, but can be set to **All/Current/Range**.

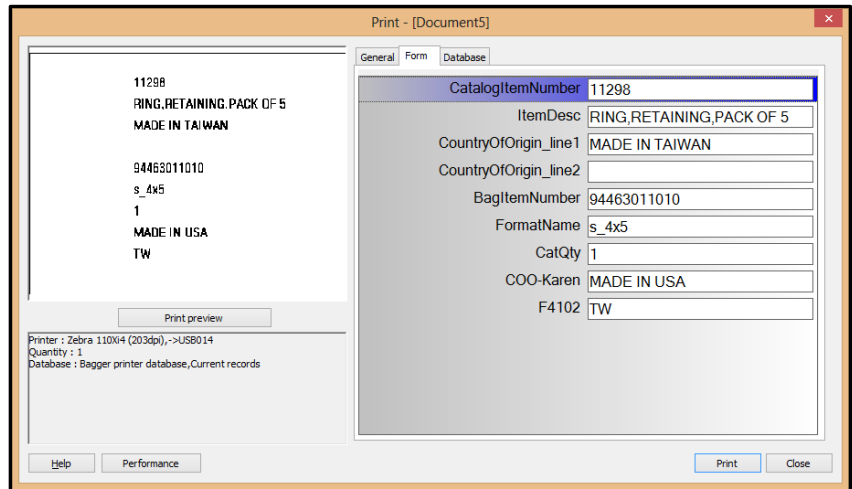


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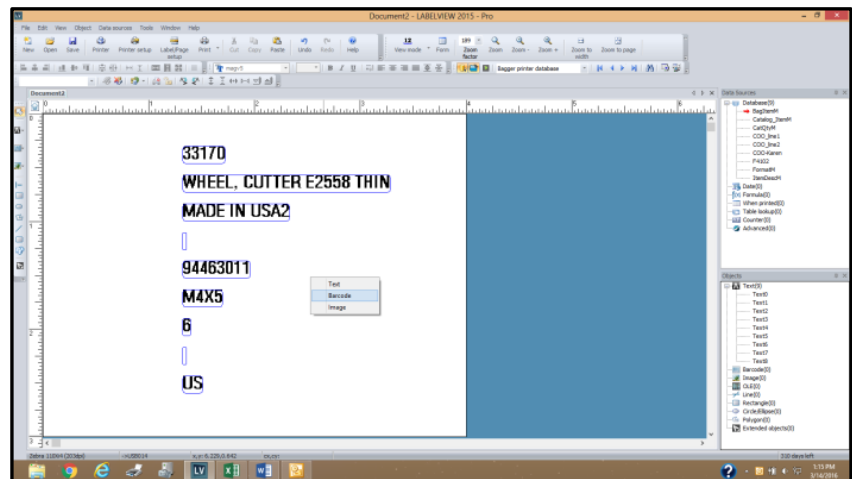
If you click **Form**, you can edit the fields manually if necessary.

Note: any changes will only stay in effect until the next record is selected. This does NOT write back to the data source.



If you need a value to be both text and barcode, click and drag it from Data Sources onto the label. Once you let go, a mini menu will ask for Text/Barcode/Image.

Now the label is ready for editing, changing of fonts, repositioning, etc.

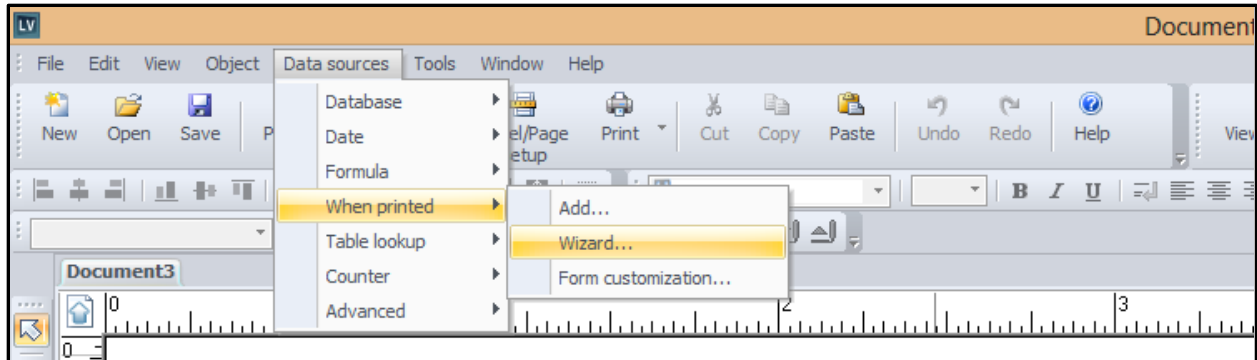


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Table Lookup Setup

In this setup you first need to create a Lookup field. This is what LabelView will use to look up the information from your data source.



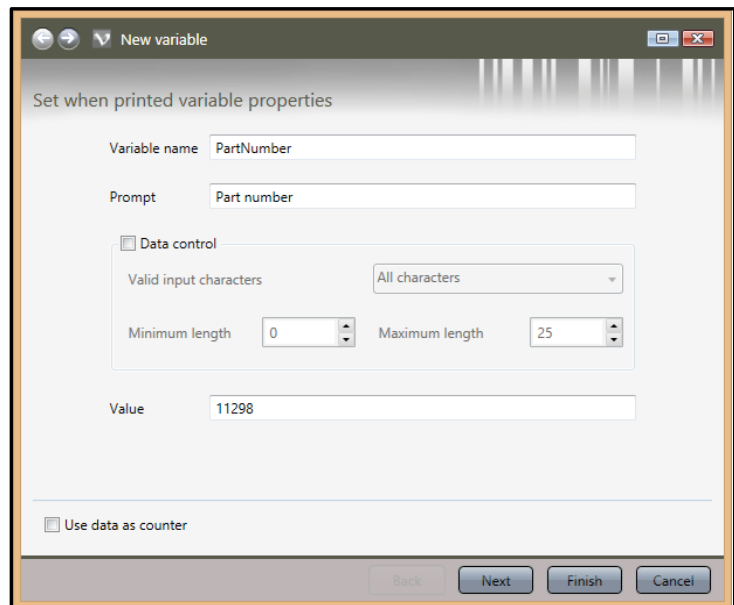
Click **Data Sources – When Printed – Wizard**.

Variable Name starts with Var0, Var1, etc. Give it another name. **PartNumber** is just a suggestion. It can only be one word.

Prompt should be something the operator can recognize. A common phrase is Part number, Job number, etc.

Value can be left at 0, but then all the fields will initially show 0. In this example we will use one of the values in the spread sheet, 11298. This will show the fields as filled when you open your label.

Click **Next**.

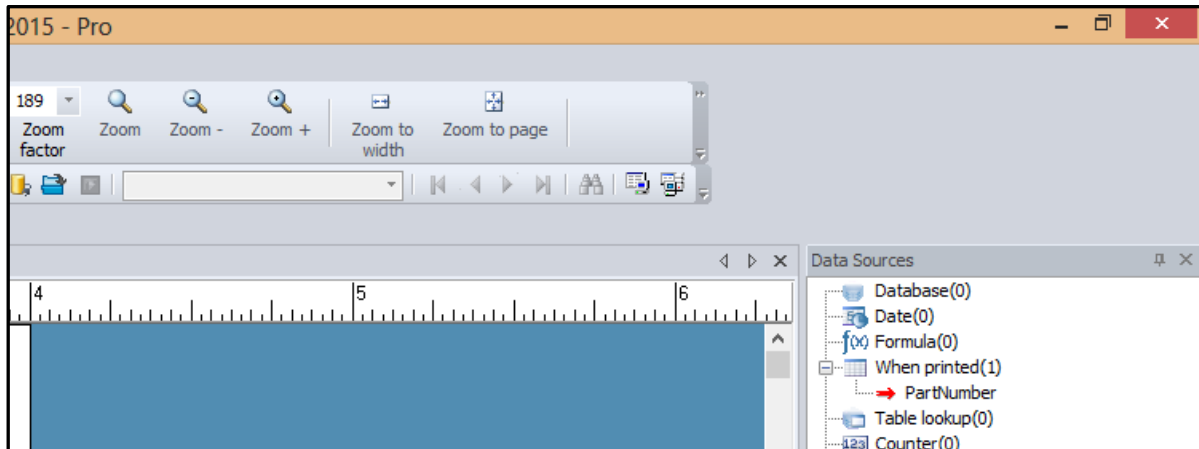


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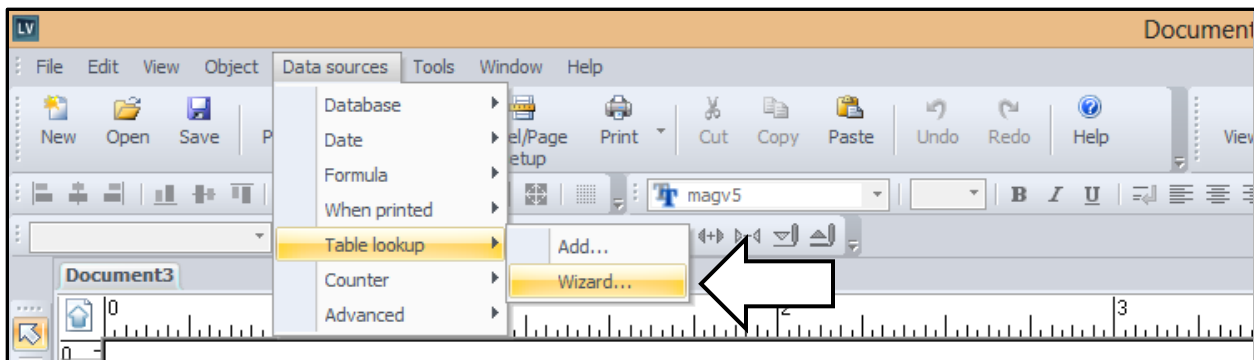
Prefix and **Suffix** can be omitted or used, depending on your setup. If you use them you may need an open space at the end of **Prefix**, and the beginning of **Suffix**.

You can now see the **PartNumber** in your list of Data sources. It does not yet show up in your label. This is normal.



If you want it on your label, click it and drag it to the label, and choose Text/Barcode/Image.

Click **Data Sources – Table Lookup – Wizard**.

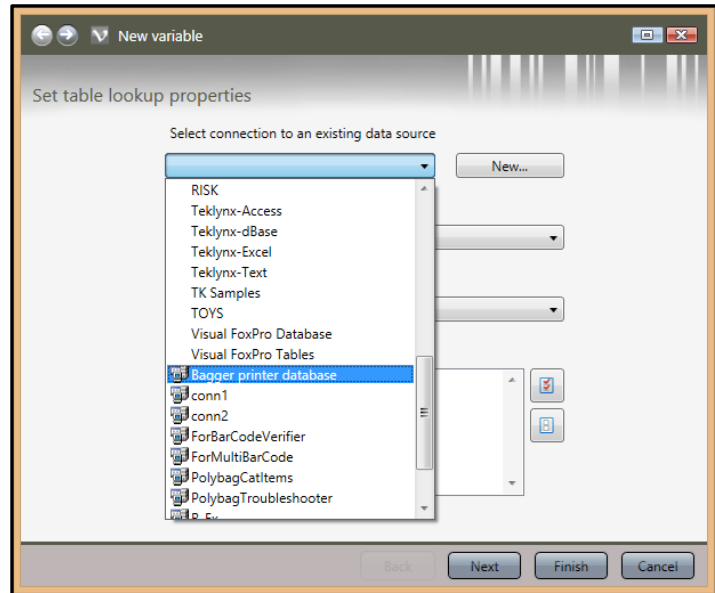




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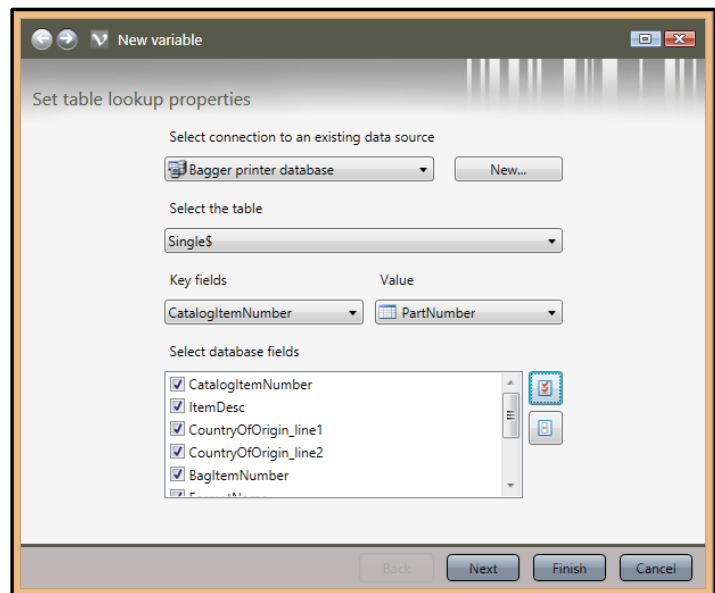
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Find your connection.



If the data source has been used before, LabelView may automatically select the right table, or worksheet in this case. If it doesn't, click Select the table to choose the right table. In this example, Excel is being used, and you choose the work sheet you need instead.

Notice that the field we set up, PartNumber has automatically been set as **Value**, i.e. the number that needs looked up.



Key fields is where LabelView will actually look for it. For this example, we will use **CatalogItemNumber**.

Check the fields you need. Click **Next**.

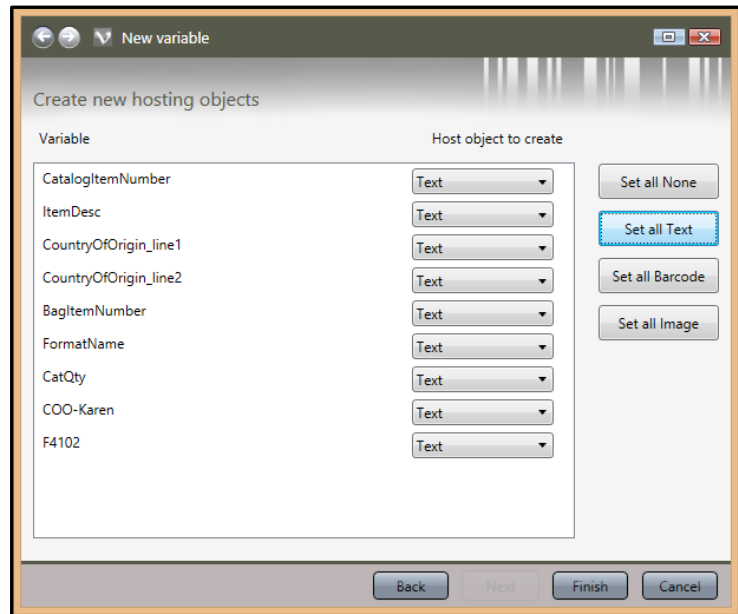
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Here you choose whether you want text/barcode/image.

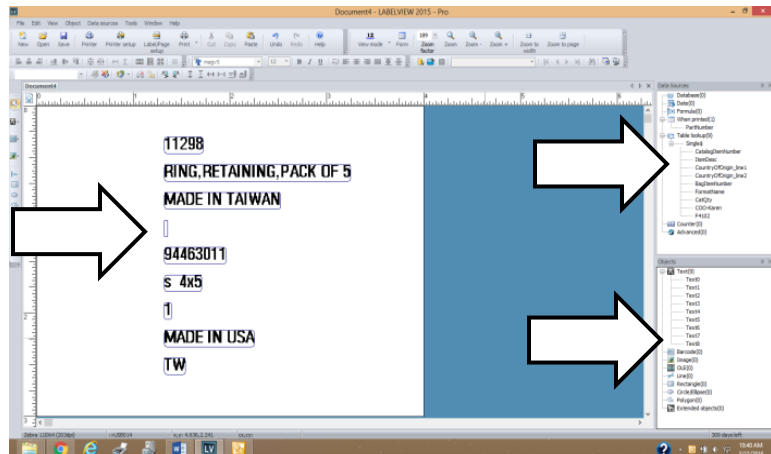
You can set all the same, or pick and choose.

If you need any items to be barcode and text both, choose text. You can duplicate it as a bar code later.



When you click **Finish**, the label will be populated with your fields.

Also notice on the right side of the screen, under Data Sources and Objects, you will see the data fields and the text fields.



The text fields are linked to the data fields, and will show whatever the data fields show.

If the data fields are empty, it is because you did not change the Value in the PartNumber field. That means you have not yet looked up anything. The fields will be filled as soon as a value has been entered in the form.

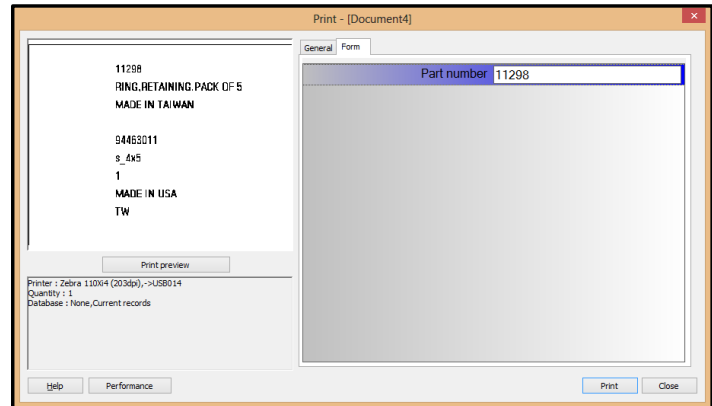


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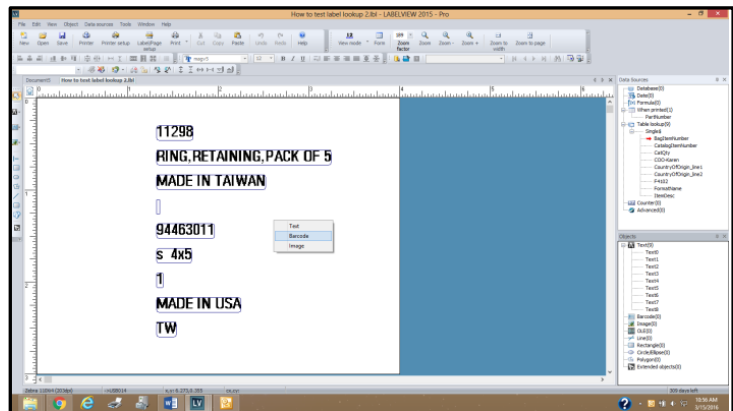
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When you go to print, your form will look like this:

The preview on the left will change every time something new is entered or scanned in.



If you need a value to be both text and barcode, click and drag it from Data Sources onto the label. Once you let go, a mini menu will ask for Text/Barcode/Image.



Now the label is ready for editing, changing of fonts, repositioning, etc.