

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.



Following are examples of how the screens can look.

Database:

Print -	[BarcodeVe	erifier test	REGUL	AR.Ibi]						×
	General Da	atabase								_
	Database	-	ForBarCod	eVerifier						-
Premium Products, Inc. Washer, rubber	Records :		Current re	ecords			✓ 16			
Production date: 11/23/2014 Catalog #: 23512 648846065014 L or: 0522004752	19 劉	CompanyNar	ne		~		→ *a	<u>n n</u> (1 1	8
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tjelp Performance								Print	Clos	*

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.

Lookup:

Prin	t - [01 Ridgid T1000 Zebra 4x3.lbl]	×
	General Form	
1 CAT. NO. 76612	CAT. NO.	76612
	Print Quantity	1
	Country of Origin	
0 96691 76612 0		
MADE IN USA 031416 INSP354527 Zebra 110Xi4 (203dpi)		
Print preview		
Printer : Zebra 110Xi4 (203dpi),->USB014 Quantity : 1 Database : None,Current records	-	
Help Performance		Print Close

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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O _ Objects		



Click Tools – Database Manager.

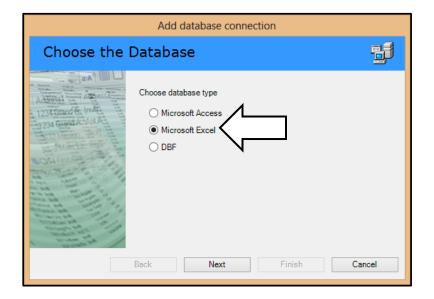
W				Document
File Edit View Object Data sources	Tool	s Window Help		
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	ABO		
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Print	FORMULAS		

When the Database Manager opens, click Add.

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

Click Next.



Click Browse . Find the Excel
spreadsheet you want.

Click Next.

	Add database connection	
Options		
Address Address 1234 Grand & (mill) 1234 Grand & (mill) 1234 Grand & Chok A 3220 (Marchine Gal) 330 (Marchine Gal)	Select or enter the database file	Browse
	Back Next Finish	Cancel

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.

	Add database connection	
Finish		
Address1	Connection Name Bagger printer database	
1234 Grand & And A 1234 Grand & And A 2032 Mannan, Rull	Connection string	
Service and Servic	Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\Users\Svein\Desktop \Database\Polybagitems.xls;Extended Properties="Excel 8.0;HDR=Yes;IMEX=2"	
and the state	Advanced	
	Back Next Finish Cancel	

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.

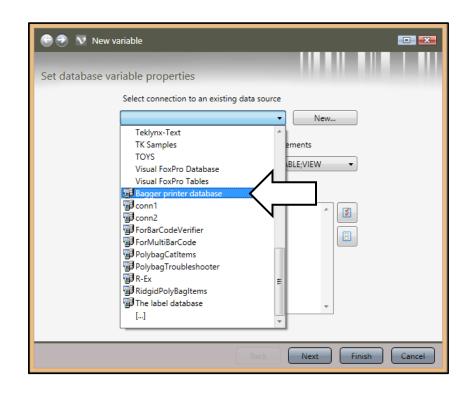
Once this is done, the connection can be used for any label in LabelView.

	Database Conne	ections	
	Connection Name		
Database	PalmOS	•	Add
Connections	Loftware Foreign Charset		
	Loftware dBase Sample	\$P !	Edit
	Loftware Excel Sample		
	Loftware Text Sample	×!	Delete
	Teklynx-Access		
Database	Teklynx-Excel		
Structure	Teklynx-Text		
	Teklynx-dBase		
	ABO		
	COFFEE		
	CHEMICAL		
Edit Database	FITTINGS		
	FORMULAS		
	RISK		
	TK Samples		
·00Ò	Ridgid PolyBag Test		
•	MS Access Database		
Database Query	Excel Files		
	R & S Phrase Database		
	GHS		
	PFW Access Database		
	Grainger		
Print	LAWSON.DBF		
Print	grainger.dbf		
	Bagger printer database		

Label Setup

Click Data Sources – Database – Wizard.

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File Edit View Object	Data sources Tools \	Window Help	
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New Open Save P	Date	Wizard Undo Redo Help	Viev
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	When printed	View the query resulting data	
:	Table lookup	Open ASCII table Shift+F8	
Document2	Counter		
	Advanced	▶	uluu



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 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.

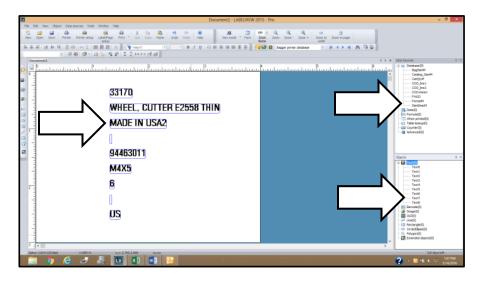
If you need any items to be barcode and text both, choose text. It can be duplicated as a bar code later.

🕒 🔊 🔊 New va	ariable	
Set database va	riable properties	
	Select connection to an existing data sou Bagger printer database	rce
	Select the table	Elements
	Mult\$	TABLE;VIEW -
	Select fields	
	Catalog_ItemM ItemDescM COO_line1 COO_line2 BagItemM CatQtyM COO-Karen Include name of tables	
	Back	Next Finish Cancel

🕒 🔊 🕅 New variable	
Create new hosting objects	
Variable	Host object to create
Catalog_ItemM	None Set all None
ItemDescM	None Set all Text
COO_line1	None
COO_line2	None Set all Barcode
BagItemM	None Set all Image
FormatM	None
CatQtyM	None
COO-Karen	None
F4102	None
	Back Next Finish Cancel

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.

	11298	Databa	se :	Bagger print	er database					-
	RING, RETAINING, PACK OF 5	Record	5:	Current reo	ords	~	1			
	MADE IN TAIWAN	49	CatalogIter	All records Current records Select a ran	ords ge of records	; (ex 1-3;6;8)	v *a 🏩	<u>~ ^</u>	<u>n</u>	4
	94463011010		CatalogIt	er ItemDesc	CountryOf	CountryOf(BagIter	nNul Formath	am CatC	tv	~
	s 4x5			8 RING,RETA			010 s_4x5		1	
	-		2 1130	3 RING,RETA	MADE IN US	463011	010 s_4x5		1	
	1			8 SCREW,FE		463011	.010 s_4x5		1	
	MADE IN USA			3 SCREW,FE			.510 s_6X8		1	
	TW			3 SCREW,FE			.510 s_6X8		1	
				7 NUT, 5/8-1			.010 s_4x5	_	1	
				8 FEEDSCRE			010 s_4x5	_	1	
ļ .				3 FRAME,CU			010 s_4x5	_	1	
	Print preview			8 PIN,CUTTE			010 s_4x5	_		
				3 SPRING,CL 8 HOUSING,C			010 s_4x5 010 s 4x5			
	64 (203dpi),->USB014			2 PKG OF 2 B			010 s 4x5			
Quantity : 1 Database : Banner	printer database.Current records			2 PKG OF 2 B 6 PKG OF 5 H			010 s_4x5			
outuouse : Dayyer	printer databaseyearrent records			6 KEY, HEX 4			010 s 4x5	-		
				8 KIT, ROOT			010 s 4x5			
				3 SWITCH, W			010 s 4x5		1	¥
		<							>	

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.

	Print - [Document5]	×
	General Form Database	
11298 2010 2017 1010 2107 01 5	CatalogItemNumber	11298
RING,RETAINING,PACK OF 5 MADE IN TAIWAN	ItemDesc	RING, RETAINING, PACK OF 5
	CountryOfOrigin_line1	MADE IN TAIWAN
94463011010	CountryOfOrigin_line2	
s_4x5	BagItemNumber	94463011010
MADE IN USA	FormatName	s_4x5
TW	CatQty	1
	COO-Karen	MADE IN USA
Print preview	F4102	TW
Printer : Zebra 11004 (203dpi),->USB014 Quantity : 1 Database : Bagger printer database,Current records		
Help Performance		Print Close

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.

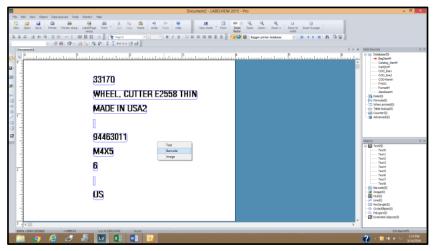


Table Lookup Setup

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.

LV			Document
File Edit View Object	Data sources Tools	Window Help	
New Open Save P Image: Im	Database Date Formula When printed	el/Page Print * Cut Copy Paste Undo Redo Help etup Add * * B I II	Viev
Document3	Table lookup Counter	Wizard ▶ Form customization	
	Advanced	•	

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.

🕒 🍠 💟 New variable	2		
Set when printed var	iable properties		
Variable name	PartNumber		
Prompt	Part number		
Data contr	ol		
Valid input o	haracters	All characters	·
Minimum le	ngth 0 🔹	Maximum length 25	
Value	11298		
🔲 Use data as counter			
		Back Next Finish	Cancel

Click Next.

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.

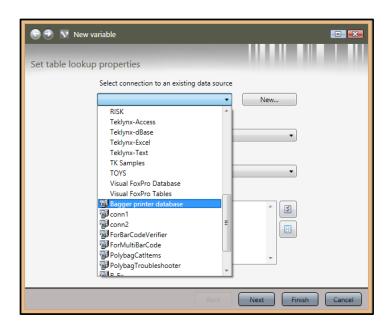
2015 - Pro	-		×
189 • Q Q Q · · · Zoom to Zoom to page factor , • · · · · · · · · · · · · · · · · · ·			
d ▷ × Dat	ta Sources	Ę	ι×

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.



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.

🕒 🍠 🔽 New v	ariable
Set table looku	properties
	Select connection to an existing data source
	Bagger printer database New
	Select the table
	Single\$
	Key fields Value
	CatalogitemNumber
	Select database fields
	CatalogitemNumber
	ItemDesc CountryOfOrigin_line1 E
	CountryOfOrigin_line2
	BagitemNumber
	Back Next Finish Cancel

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

Check the fields you need. Click Next.

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

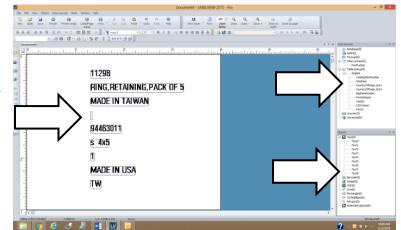
You can set all the same, or pick and choose.

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

😌 🔊 🔽 New variable	•	
Create new hosting objects		
Variable	Host object to create	
CatalogitemNumber ItemDesc CountryOfOrigin_line1 CountryOfOrigin_line2 BagItemNumber FormatName CatQty COO-Karen F4102	Text • Text •	I Text Jarcode
	Back Next Finish	Cancel

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.

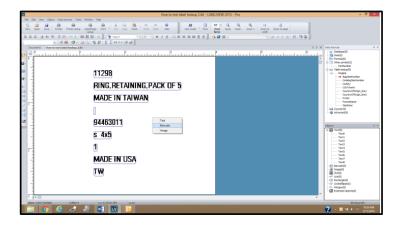
If the data fields are empty, it is because you did not change the Value in the PartNumber field. That means you have not yet looked up anything. The fields will be filled as soon as a value has been entered in the form.

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.

	Print - [Document4]	×
11289 RING, RETAINING, PACK OF 5 MADE IN TAIWAN 94463011 9_4653011 9_455 1 MADE IN USA TW Print preview Printer : Zebra 1004 (20326),->USB014 Quantity: 1 Database : None,Current records	General Form Part number 11298	
Help Performance	Print Close	

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.