

Label Design Is Easy with ZebraDesigner for Developers

Template-Based Printing

Steven Si

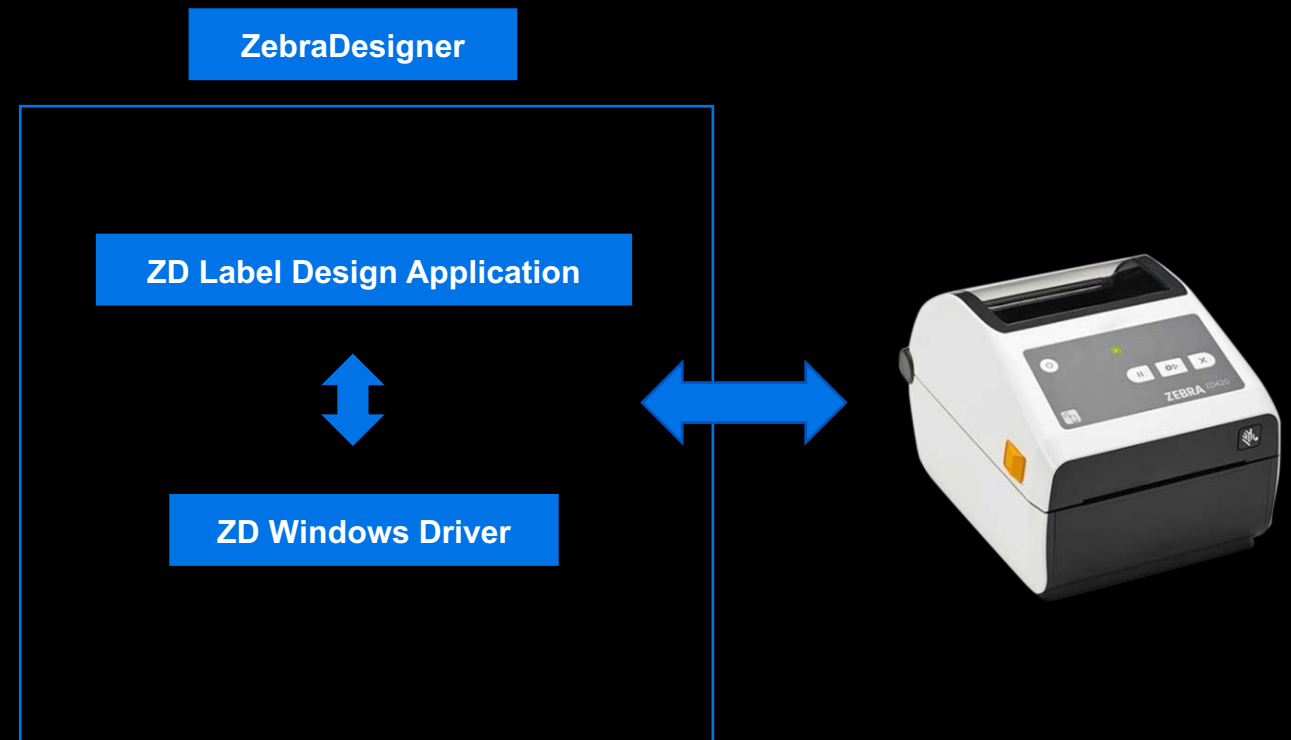
Sr. Software Engineer



What is ZebraDesigner?

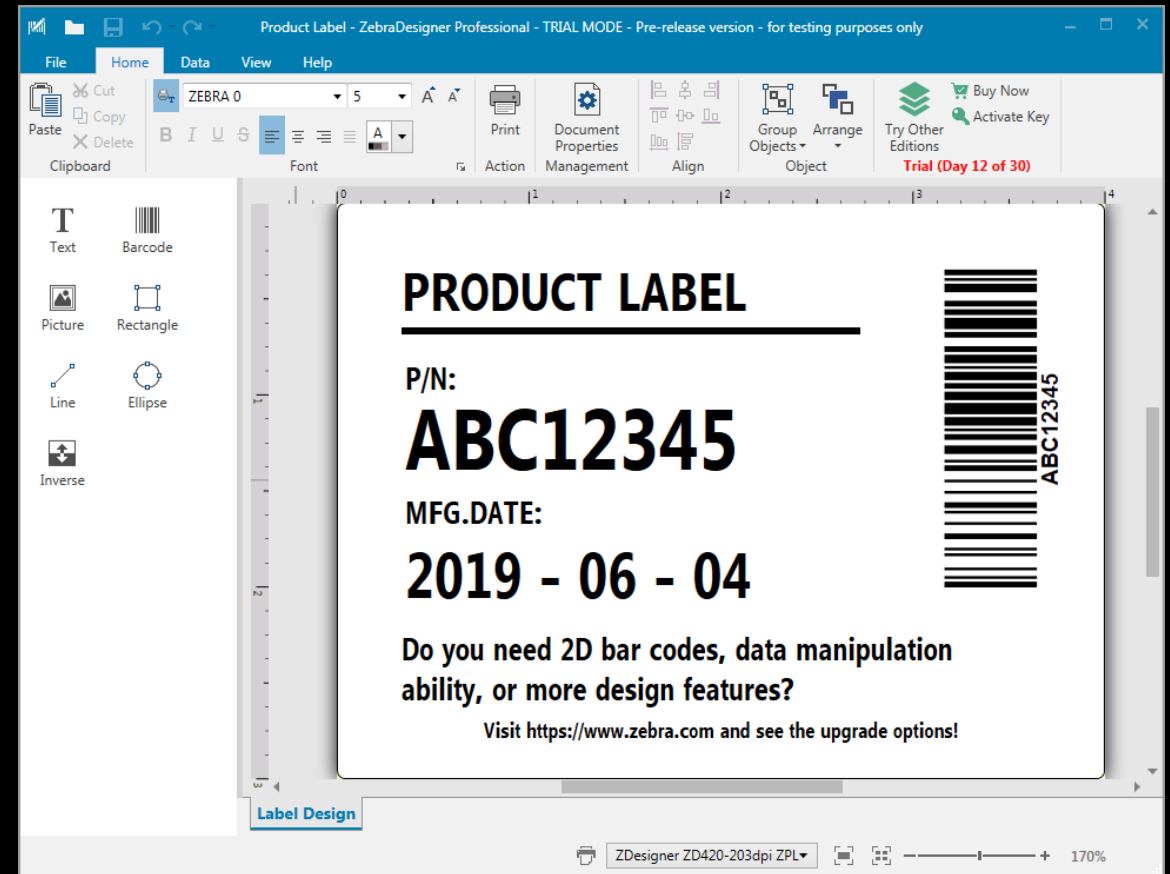
A suite of comprehensive tools & driver

- A suite of Label Design Applications (LDA)
 - Make label design very simple
 - Offer most used label design features
- ZebraDesigner Windows driver
 - Offer easy-to-use printer configuration tools



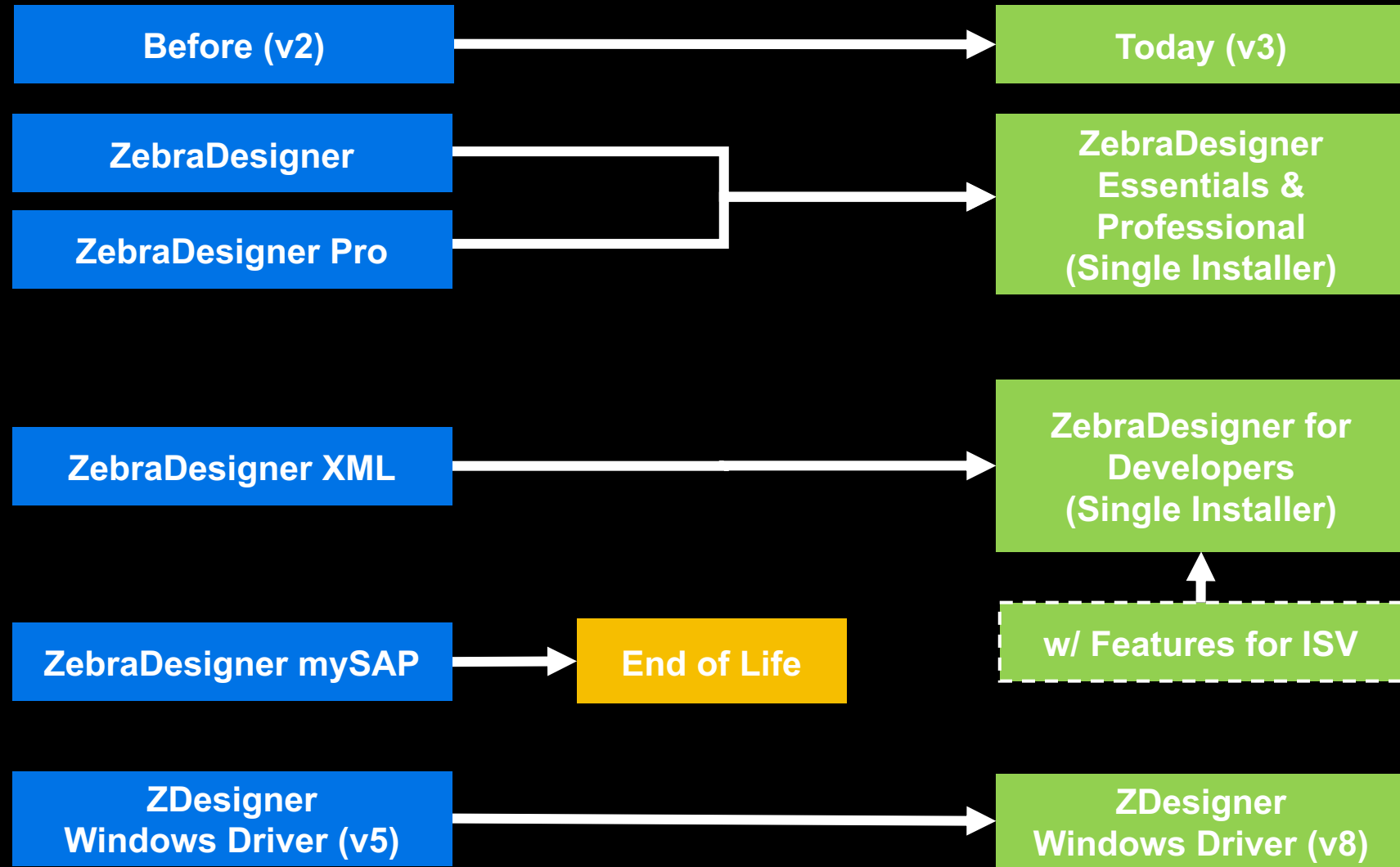
Goals of ZebraDesigner 3

- Improve integrations
- Simplify the offerings
- Enable developers
- Update user experience
- Enhance RFID
- Simplify installation and upgrade



What's new?

Simplify the offerings



ZebraDesigner Windows driver updates

What's changed?



- Version 8 driver
 - Supports Link-OS printer models only
 - Supports ZPL only

- Version 5 driver – continued availability
 - Support for legacy printer models
 - Support EPL, CPCL and ZPL
 - New CPCL or EPL models will continue to be added to this driver
 - End of development: No new features

ZebraDesigner 3

What's changed?

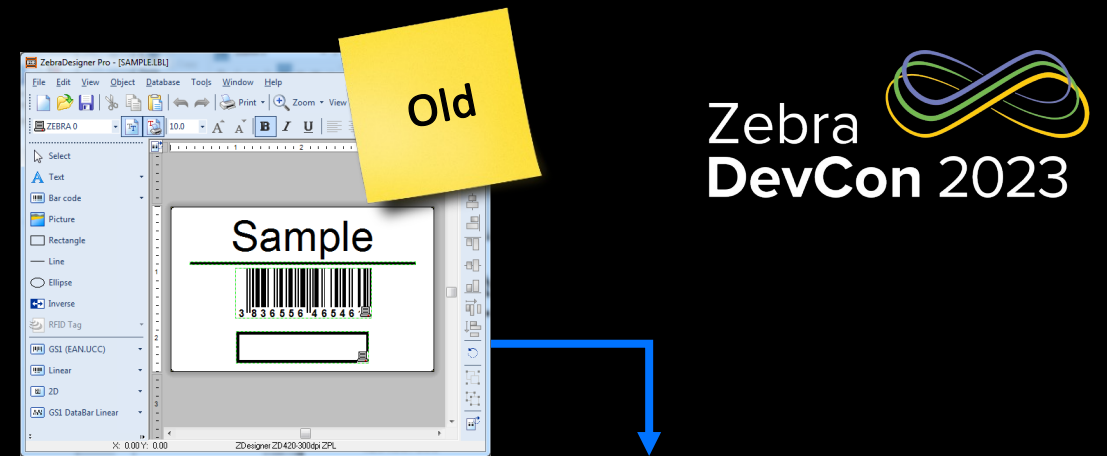


- Version 2 LDA
 - End of Life (all editions)
- Version 3 LDA
 - Support v5 and v8 driver for Link-OS and legacy printer models
 - ZPL, CPCL, EPL
 - ZebraDesigner Pro 3 edition
 - License required (Same as ZebraDesigner Pro 2)
 - Free:
 - ZebraDesigner Essentials edition (Same as ZebraDesigner 2)
 - ZebraDesigner for Developers edition (Note: ZebraDesigner for XML 2 requires license)
 - Support Link-OS printers only
- Version 3 requires a full installation

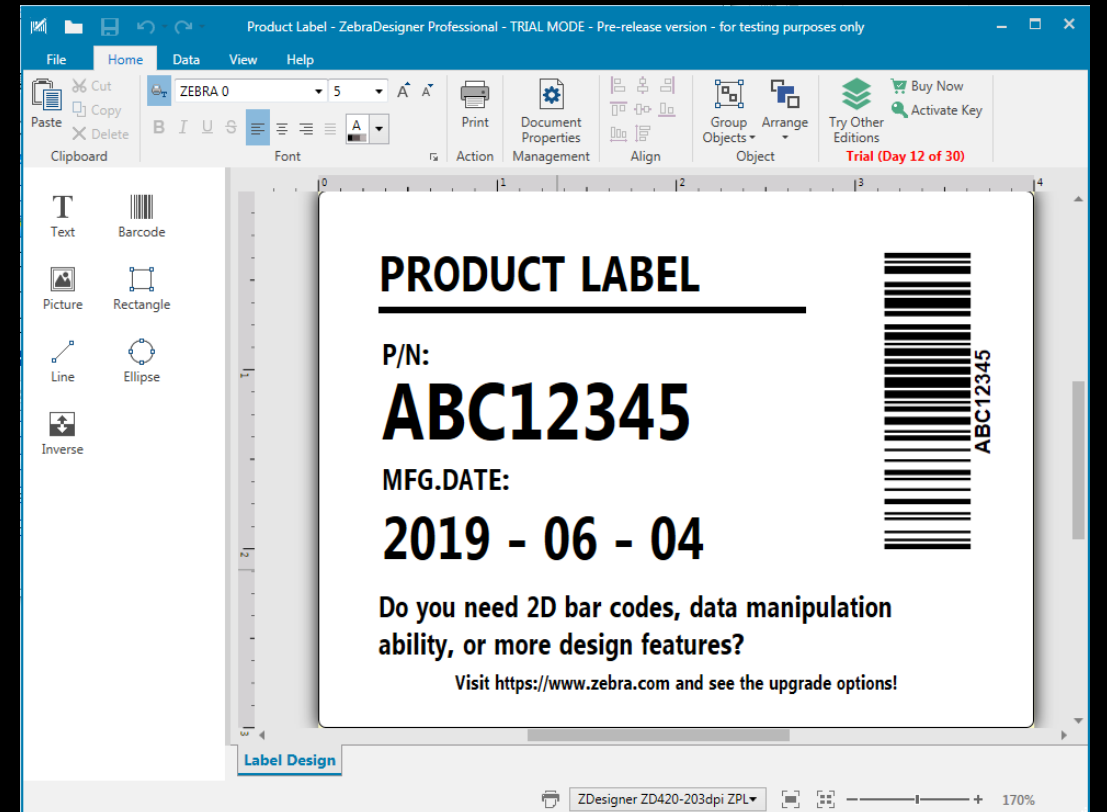
ZebraDesigner 3

What's changed?

- Essentials & Professional editions
 - Improved UI interfaces to meet the modern style
- Developers edition:
 - Same UI interfaces from Essentials & Professional editions
 - Combine with the functionality in the XML edition of v2
 - Template creation for Enterprise Connector & Direct XML solution
 - Add functionality for ISV community

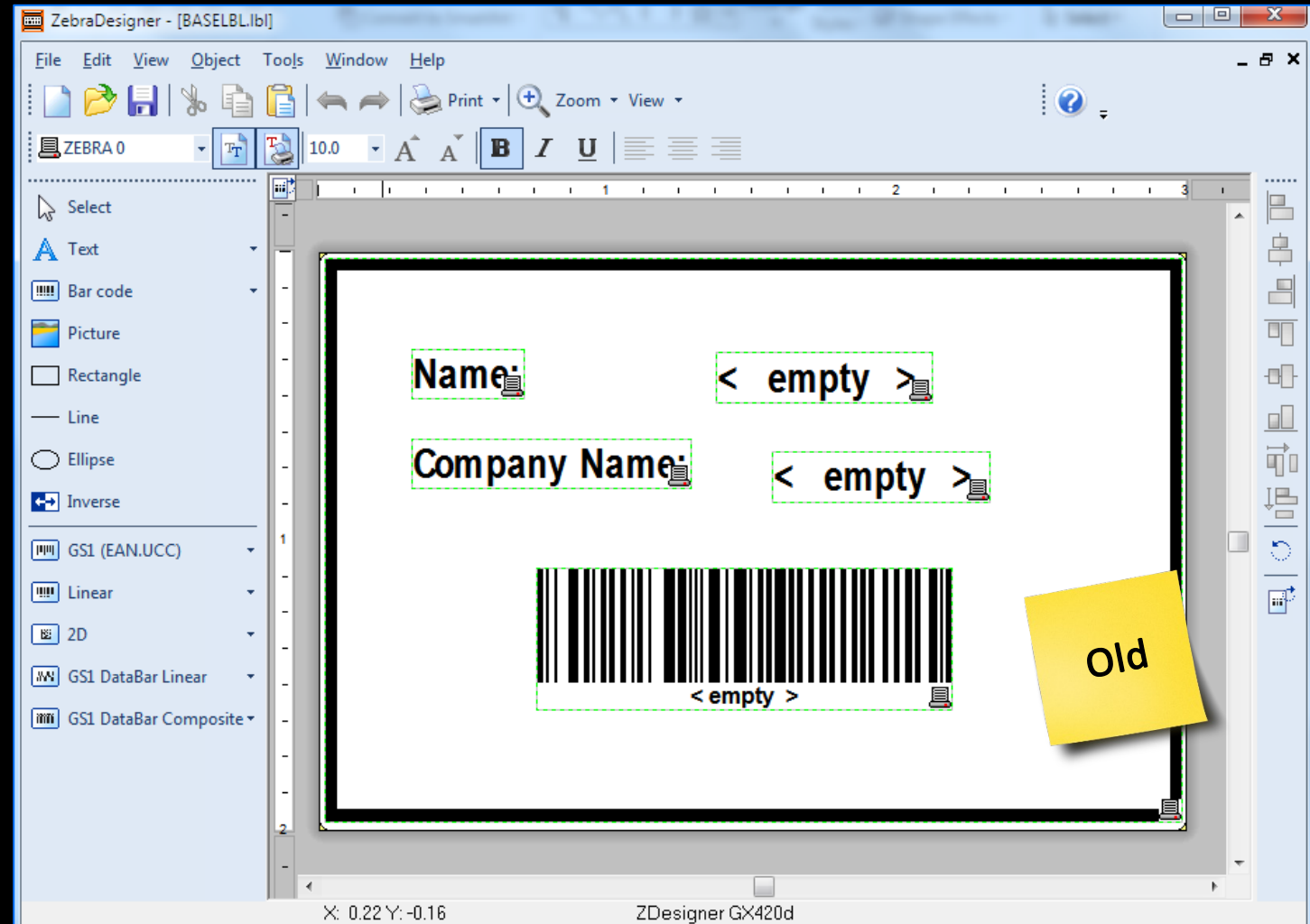
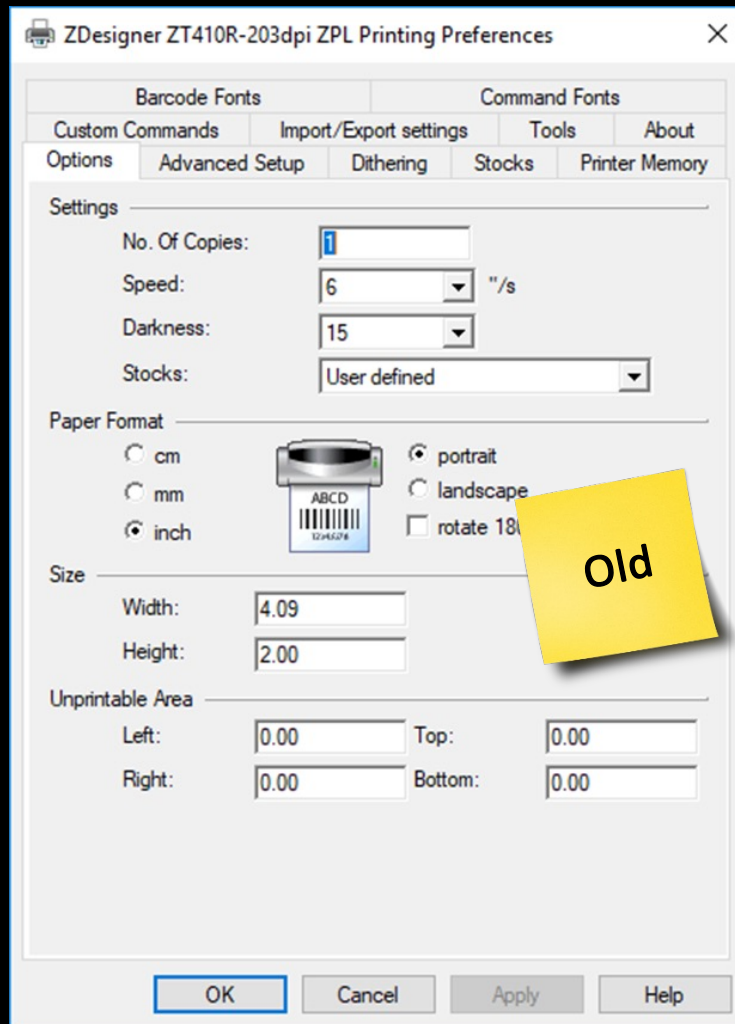


Zebra
DevCon 2023



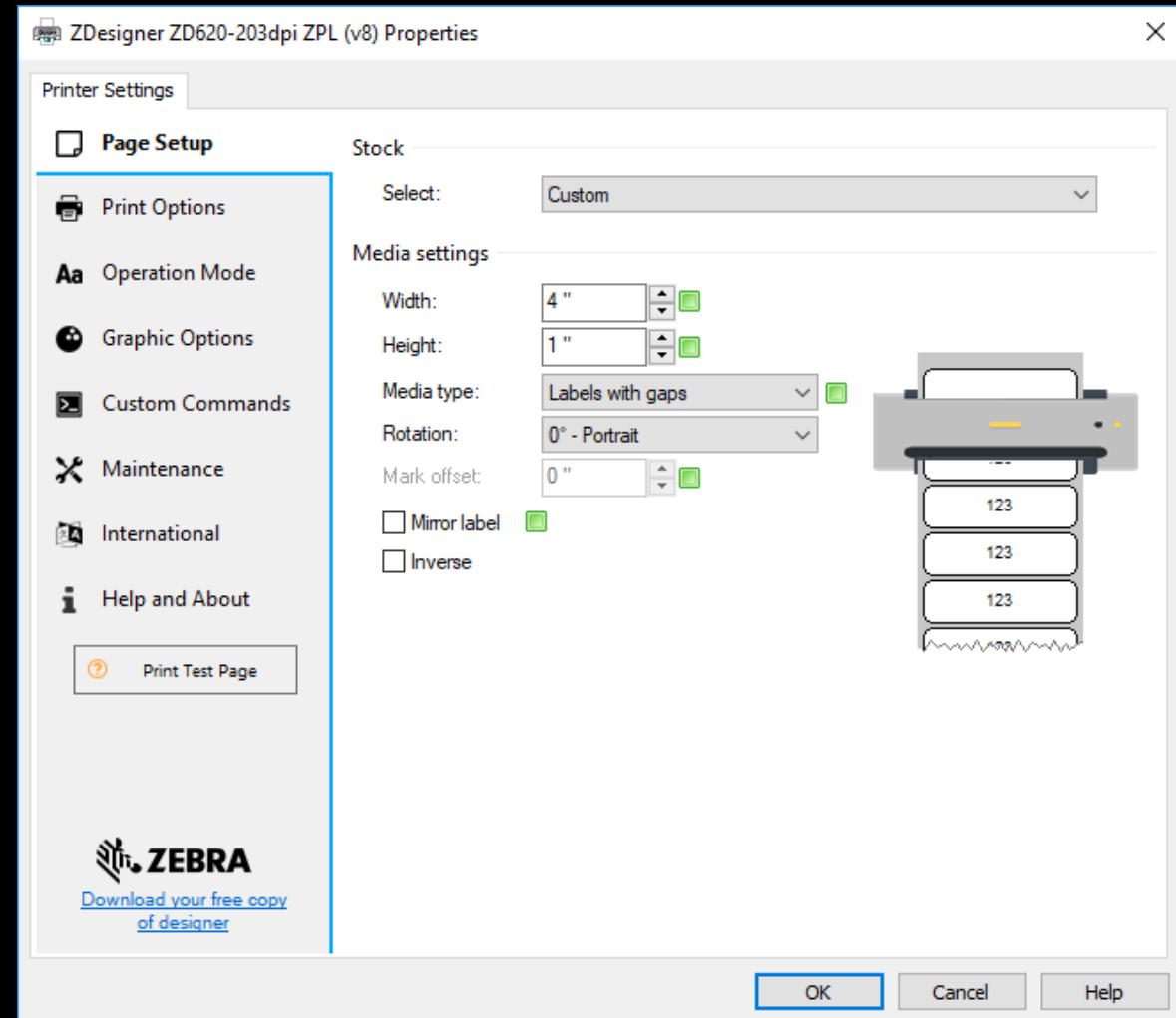
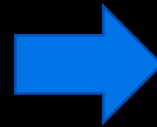
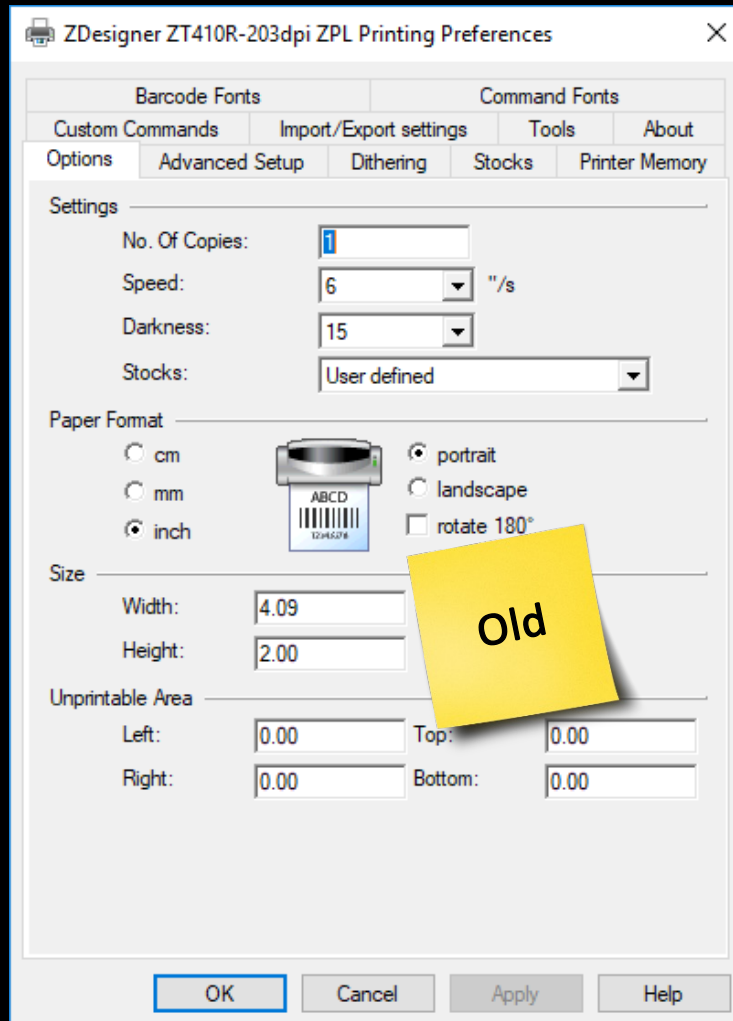
ZebraDesigner – User Interface Update

Old driver & workspace user interface



ZebraDesigner – User Interface Update

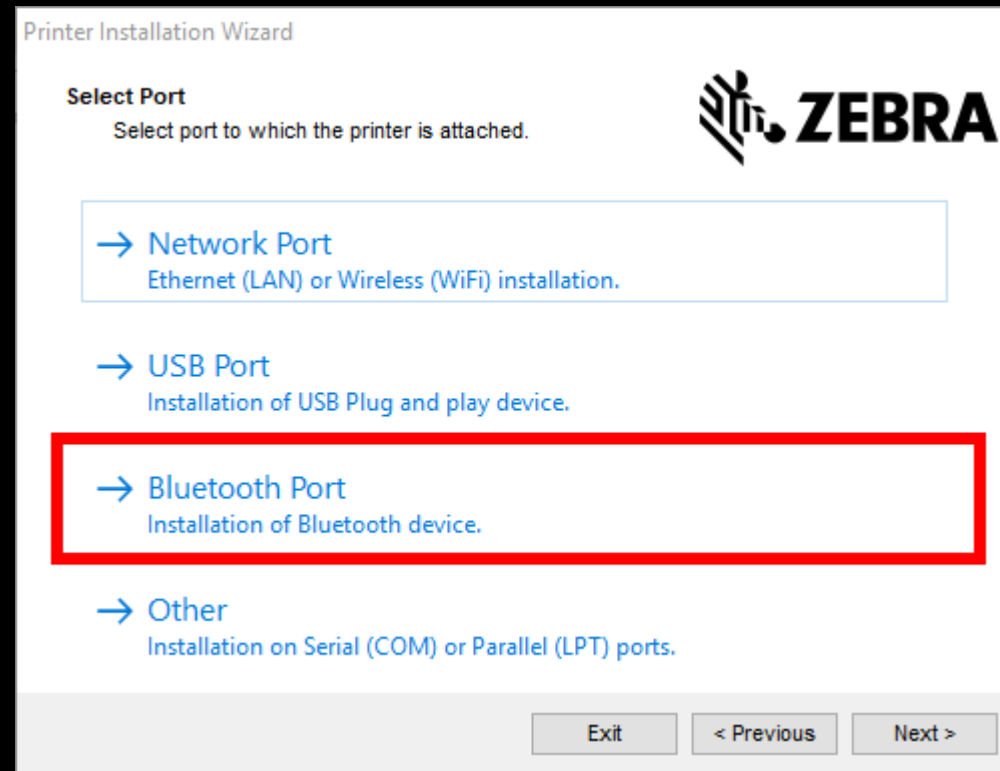
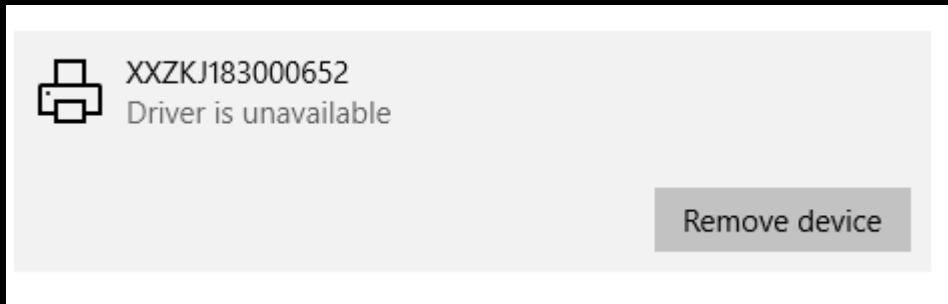
Driver user interface – old vs. new



ZebraDesigner Driver

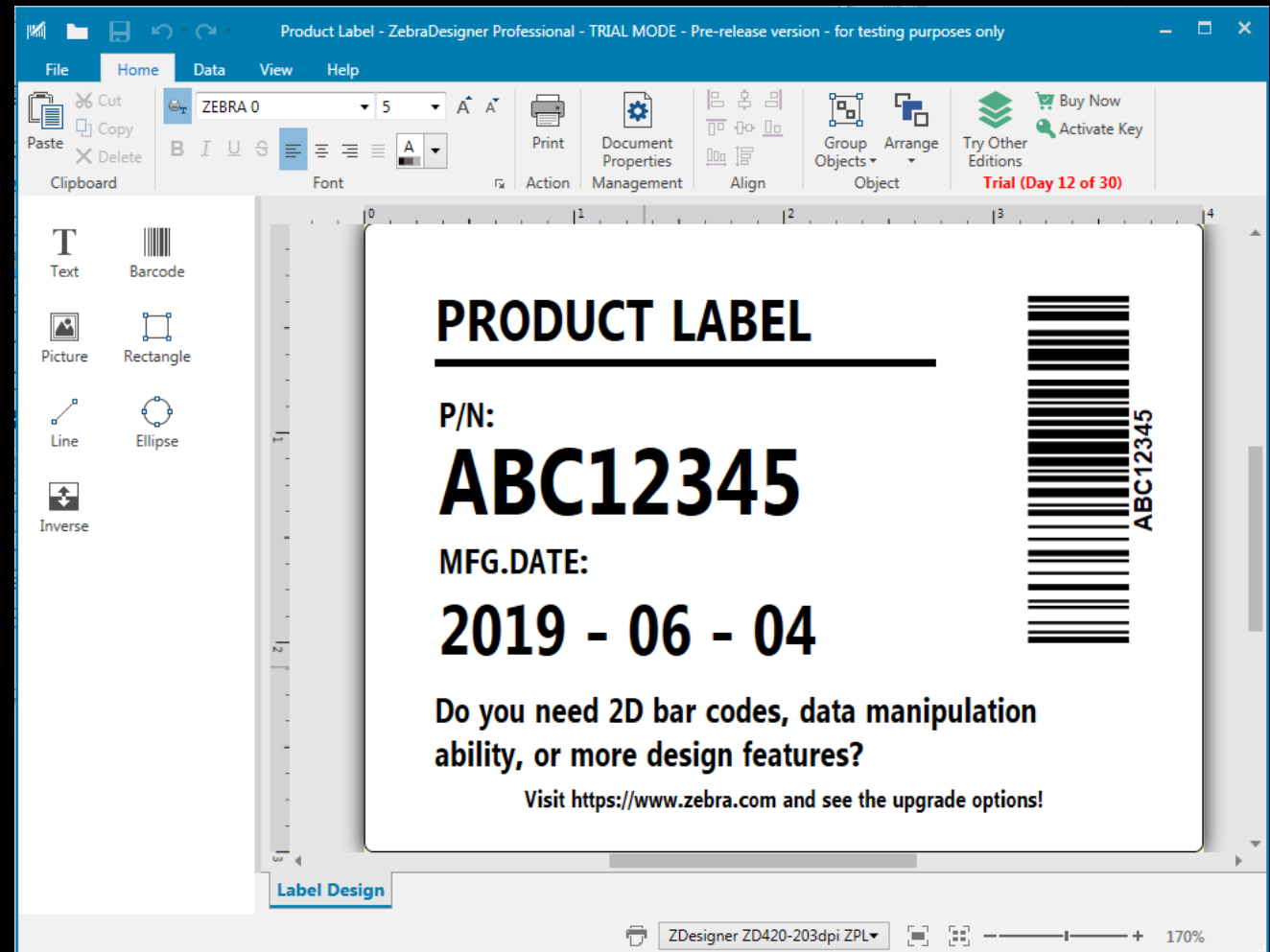
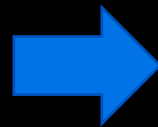
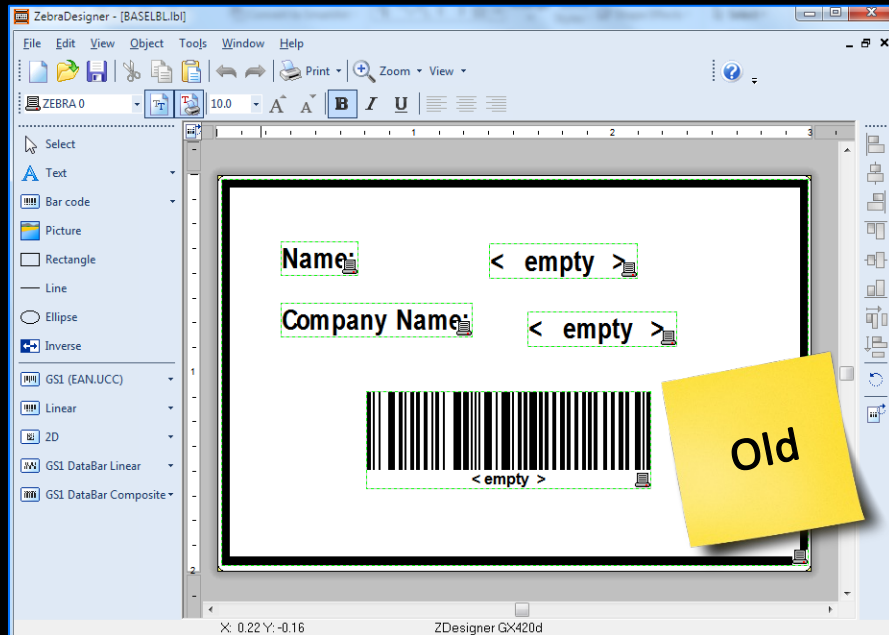
Support versatile printer connectivity

- Support printer connectivity
 - Network
 - USB
 - Bluetooth®
 - Serial & Parallel



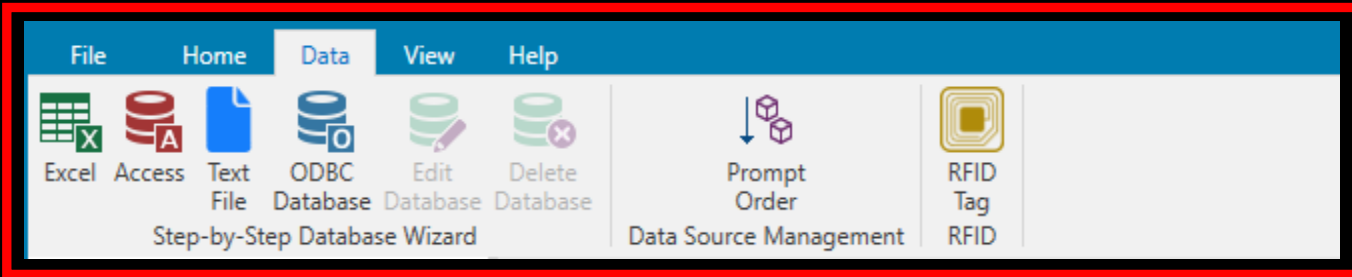
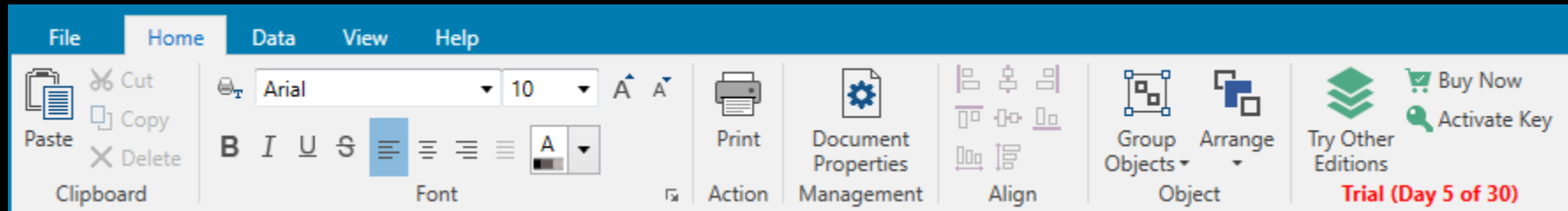
ZebraDesigner – User Interface Update

Workspace user interface – old vs. new

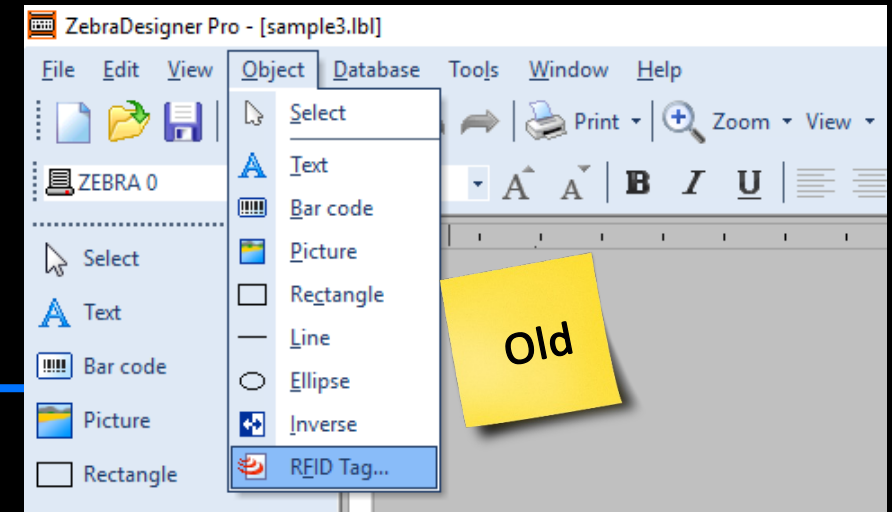
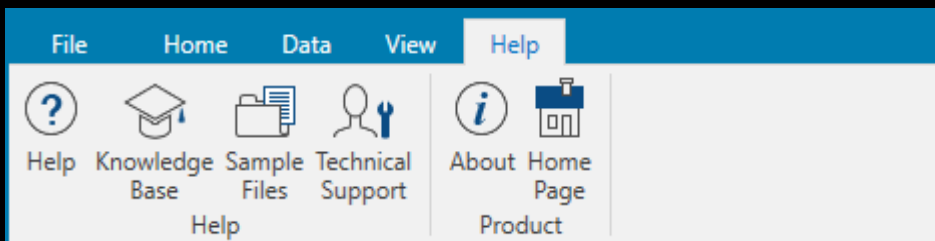
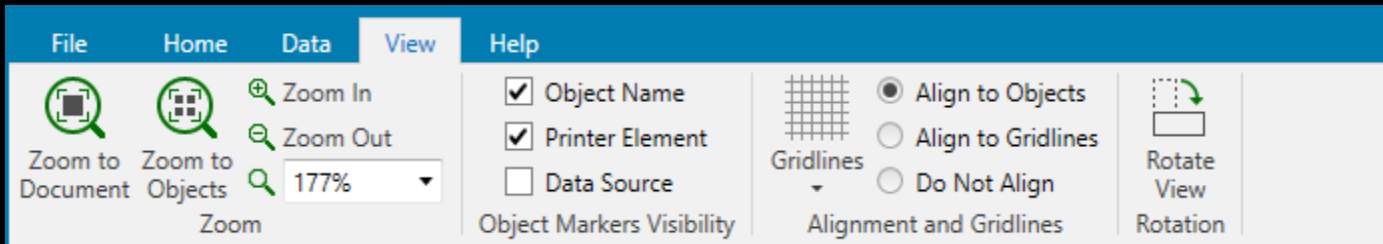


ZebraDesigner – User Interface Update

Workspace user interface – ribbon & quick access toolbar



← Available for Pro edition only




ZebraDesigner Professional Edition

Full Pro features are available for trial mode

- Fully functional 30 day trial
- Built-in key purchase & activation

ZebraDesigner 3 Activation

 You are using the trial version of ZebraDesigner Professional. The trial allows you to try software for 30 days without restrictions.

Trial days left: 29

For support, contact your reseller or visit <http://www.zebra.com/support>

[Continue with Trial](#)

Activate Your License

[Activate](#)

Purchase

[Buy Now](#)

ZebraDesigner Professional Edition

- Updated licensing to support today's operating systems
- License management from within the application

ZebraDesigner 3 Activation ✕

Enter the information below to activate your product.

License key:	<input type="text" value="343643456345634563"/>	✓
First name:	<input type="text" value="Zebra"/>	✓
Last name:	<input type="text" value="Technologies"/>	✓
Company:	<input type="text" value="Zebra Technologies"/>	✓
Email:	<input type="text" value="softpm@zebra.com"/>	✓

Collecting and storing your name, company and email details allows us to contact you with software and licensing related information and updates. Check <https://www.nalpeiron.com/privacy> for information on how your submitted data is stored, protected and managed

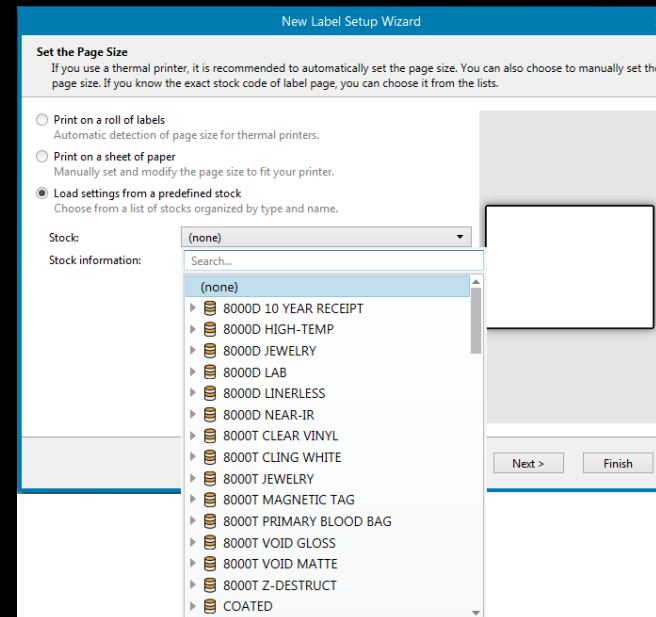
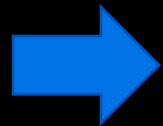
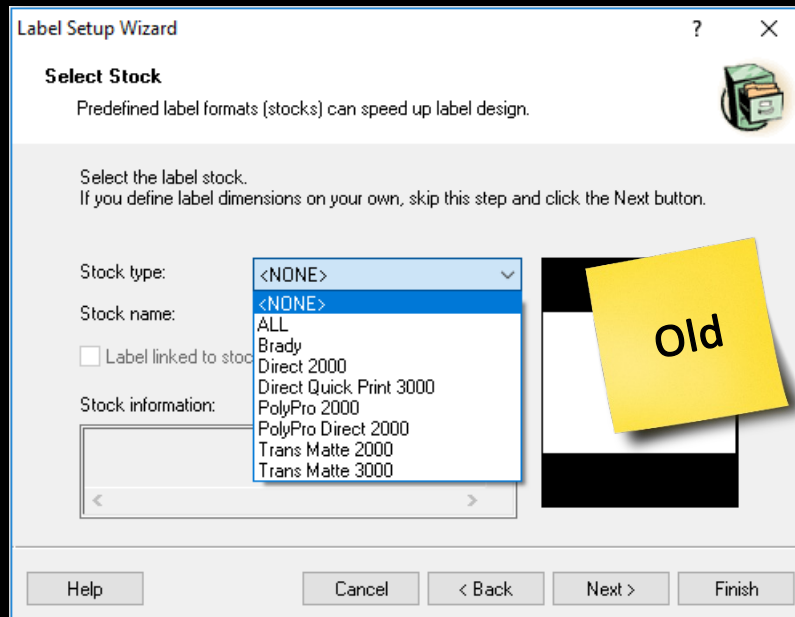
No internet connection? [Activate offline](#)

Internet connection with proxy? [Configure proxy](#)

ZebraDesigner - Media Types

Zebra supplies

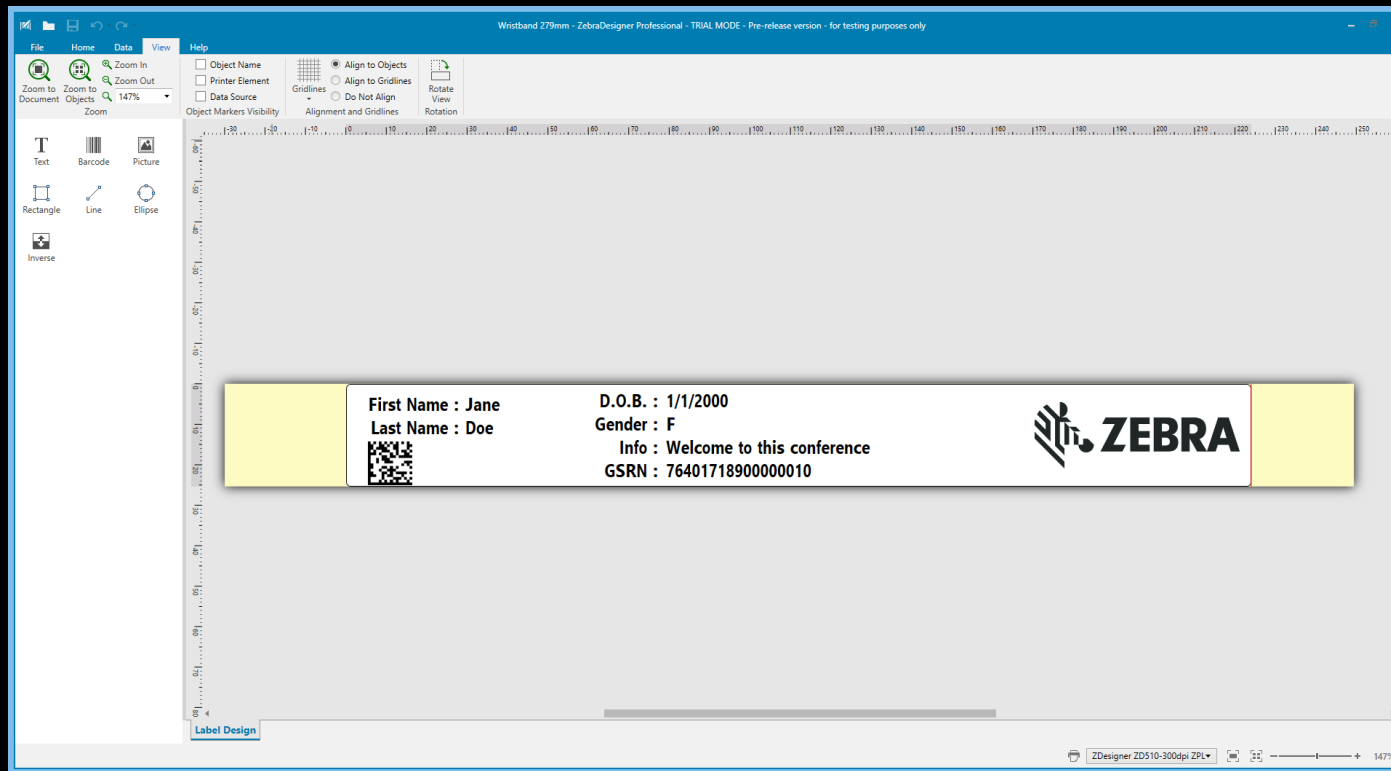
- v2 LDA has obsolete media types and part numbers
- v3 LDA will support current media types and 800+ part numbers for all regions



ZebraDesigner - Media Types

Wristband support

- Updates to improve wristband design and printing



ZebraDesigner for Developers Edition



- Same UI interfaces from Essentials & Professional editions
- Combine with the functionality in the XML edition
 - Template creation for Enterprise Connector & Direct XML solution
- Add functionality for ISV community
 - Export “generic” template, based on a “Generic” ZPL driver
 - Variable length template for receipt, including header, body and footer designs
 - Support for RFID serialization
- Support only ZebraDesign Windows v8 driver
 - Link-OS printers only

ZebraDesigner for Developers Edition

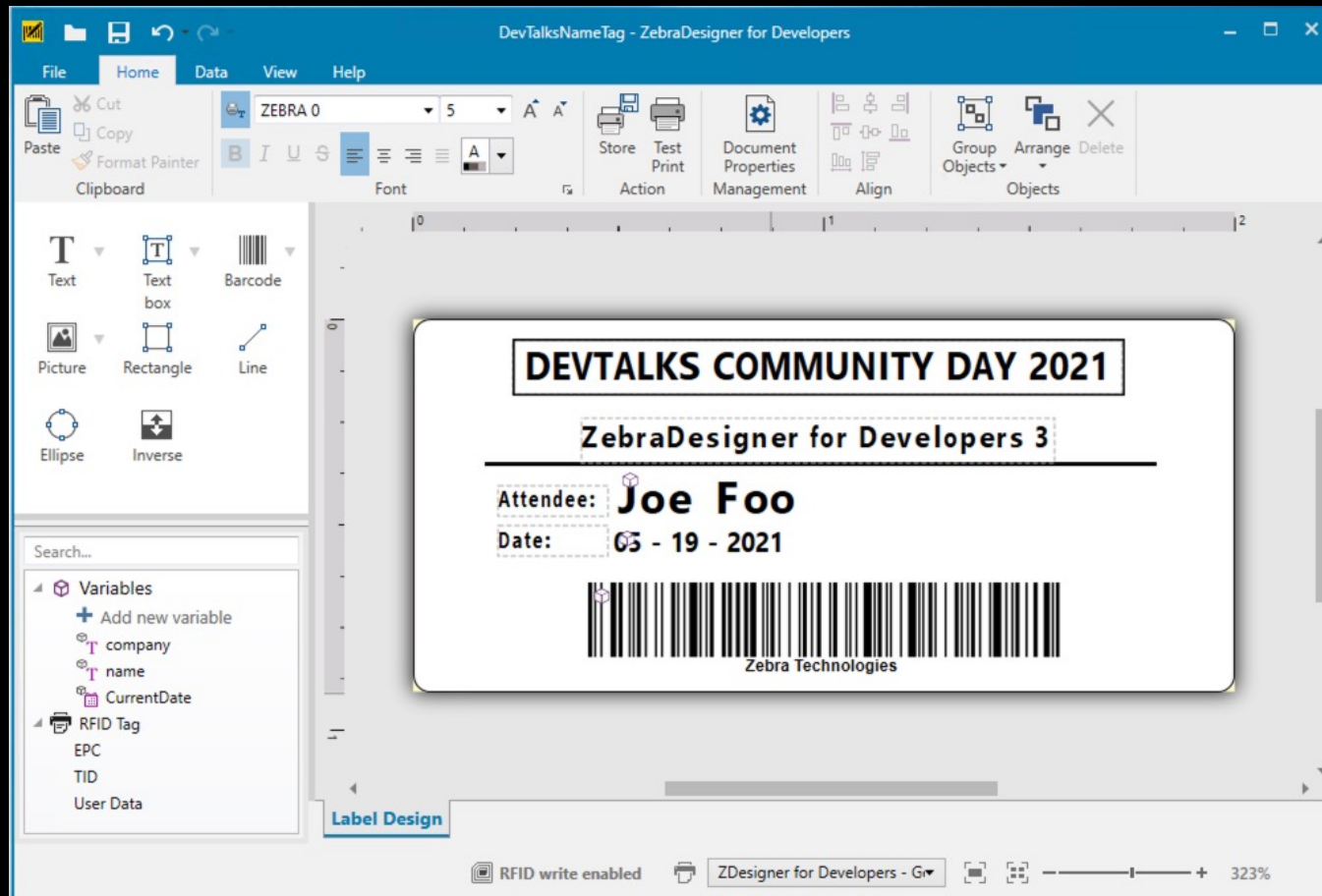
Key functionality



- Support ZebraDesigner for XML v2 compatibility
 - Export ZPL and corresponding XML template files
 - ZPL & XML files in the same structure as ZebraDesigner for XML v2
 - Options to include/exclude fonts/graphics in the ZPL template
 - Options to export the templates to: Current location, An IP address, A file on the system
- Developer Features
 - Option to export ZPL template only
 - Export “generic” template, based on a “Generic” ZPL driver
 - Variable length template for receipt design, including header, body and footer designs
 - ZPL Template contains FONTS, GRAPHICS, FORMAT & RECALL sections

ZebraDesigner for Developers Edition

Workspace snapshot



ZebraDesigner for Developers Edition

XML templates

```
DevTalksNameTag_Stored_XML.pm x
1 DIRECT~~CD,~CC^~CT~
2 ^XA
3 ^DFR:DevTalksNameTag.ZPL^FS
4 ~TA000
5 ~JSN
6 ^LTO
7 ^MTT
8 ^PON
9 ^PMN
10 ^LH0,0
11 ^JMA
12 ^PR8,8
13 ~SD15
14 ^JUS
15 ^LRN
16 ^CI27
17 ^PA0,1,1,0
18 ^MMT
19 ^LS0
20 ^FO4,71^GB331,0,2^FS
21 ^FT17,30^A0N,20,20^FB301,1,5,C^FH\^CI28^FDDEV TALKS COMMUNITY DAY 2020^FS^CI27
22 ^FO17,10^GB302,28,1^FS
23 ^FPH,1^FT52,63^A0N,14,15^FH\^CI28^FDZebraDesigner for Developers 3^FS^CI27
24 ^FPH,1^FT10,93^A0N,11,10^FH\^CI28^FDAttendee:^FS^CI27
25 ^FPH,1^FT10,113^A0N,11,10^FH\^CI28^FDDate:^FS^CI27
26 ^SLS,1
27 ^FT67,115^A0N,14,15
28 ^FC%,{,#
29 ^FH\^CI28^FD%d-%m-%Y^FS^CI27
30 ^FT68,96^A0N,23,28^FH\^CI28^FN1^FDname^FS^CI27
31 ^BY1,3,37^FT54,167^BCN,,Y,N,,A
32 ^FN2^FDcompany^FS
33 ^XZ
34
```

Stored XML format

```
DevTalksNameTag_Recal_XML.xml x
1 <?xml version="1.0" standalone="no"?>
2 <labels _FORMAT="R:DevTalksNameTag.ZPL" _QUANTITY="1" _PRINTERNAME="
  "ZDesigner for Developers - Generic Printer 200dpi" _JOBNAME=
  DevTalksNameTag >
3 <label>
4 <variable name="name">Joe Foo</variable>
5 <variable name="company">Zebra Technologies</variable>
6 </label>
7 </labels>
8
```

Recall XML

ZebraDesigner for Developers Edition

ZPL templates

```
Dev TalksNameTag_Stored_ZPL.pm x
1 DLEBCT~CD,~CC^CT~
2 ^XA
3 ^DFR:DevTalksNameTag.ZPL^FS
4 ~TA000
5 ~JSN
6 ^LTO
7 ^MTT
8 ^PON
9 ^PMN
10 ^LH0,0
11 ^JMA
12 ^PR8,8
13 ~SD15
14 ^JUS
15 ^LRN
16 ^CI27
17 ^PA0,1,1,0
18 ^MMT
19 ^LS0
20 ^FO4,71^GB331,0,2^FS
21 ^FT17,30^A0N,20,20^FB301,1,5,C^FH\^CI28^FDDEV TALKS COMMUNITY DAY 2020^FS^CI27
22 ^FO17,10^GB302,28,1^FS
23 ^FPH,1^FT52,63^A0N,14,15^FH\^CI28^FDZebraDesigner for Developers 3^FS^CI27
24 ^FPH,1^FT10,93^A0N,11,10^FH\^CI28^FDAttendee:^FS^CI27
25 ^FPH,1^FT10,113^A0N,11,10^FH\^CI28^FDDate:^FS^CI27
26 ^SLS,1
27 ^FT67,115^A0N,14,15
28 ^FC%,{,#
29 ^FH\^CI28^FD%d-%m-%Y^FS^CI27
30 ^FT68,96^A0N,23,28^FH\^CI28^FN1 "name" ^FS^CI27
31 ^BY1,3,37^FT54,167^BCN,,Y,N,,A
32 ^FN2 "company" ^FS
33
34 ^XZ
```

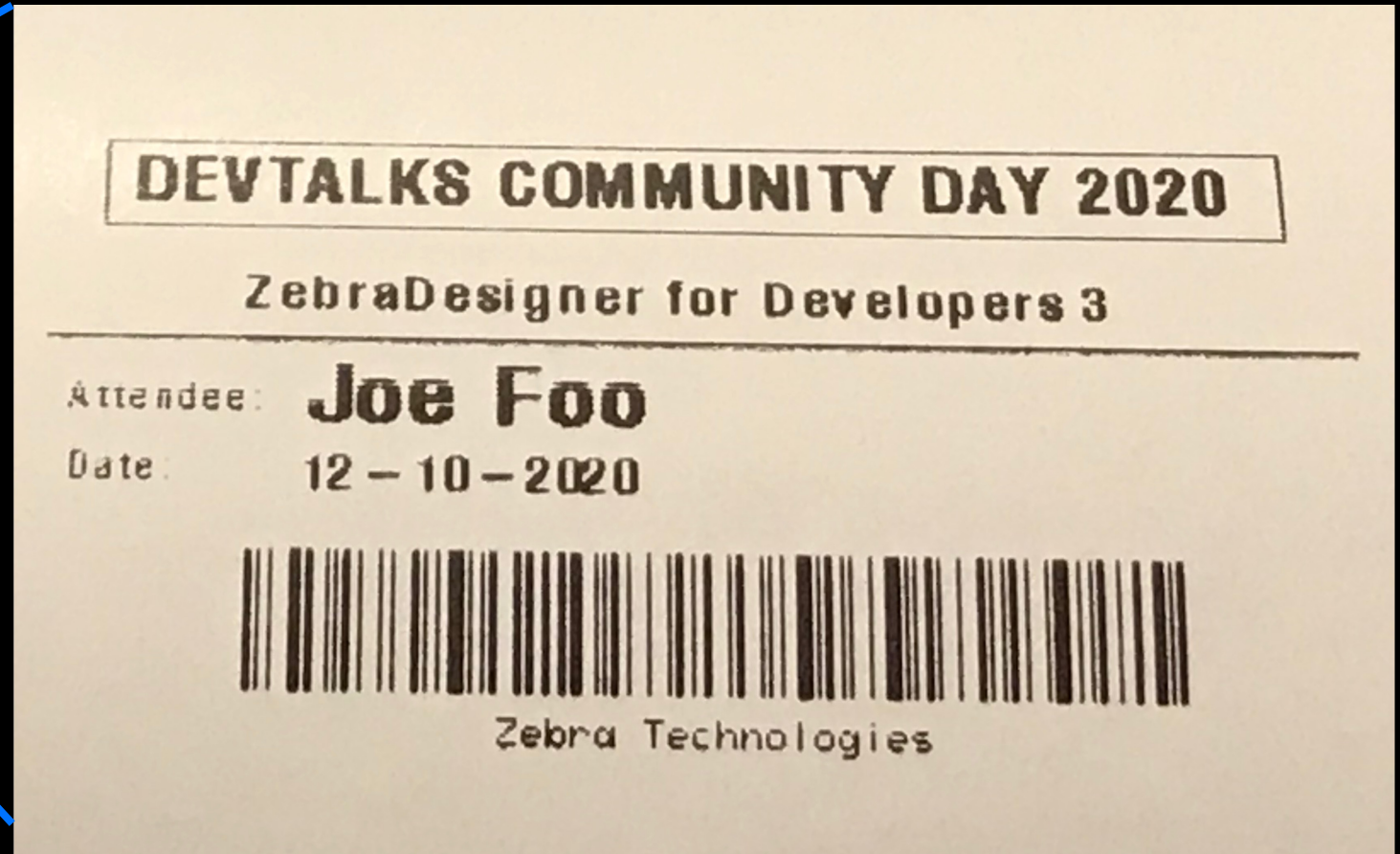
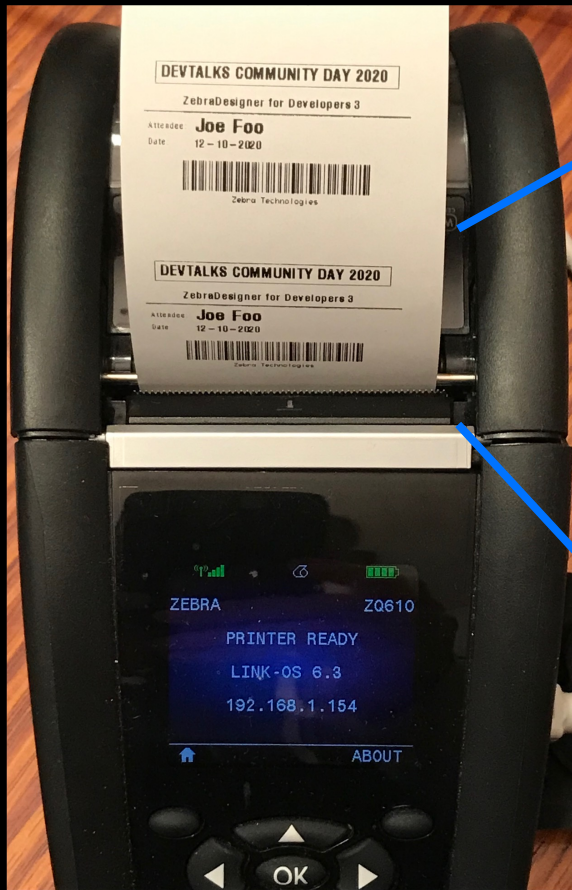
Stored
ZPL
format

```
Dev TalksNameTag_Recall_ZPL.pm x
1 ^XA
2 ^XFR:DevTalksNameTag.ZPL^FS
3 ^CI28^FN1^FH\^FDJoe_Foo^FS^CI27
4 ^CI27^FN2^FH\^FDZebra Technologies^FS
5 ^PQ1,0,1
6 ^XZ
7
```

Recall
ZPL

ZebraDesigner for Developers Edition

Output



ZebraDesigner – Print Station App for Android

Print Station app is available both on Google Play and in Link-OS SDK

- Using ZebraDesigner to design templates (*.ZPL files).
- Store the templates either on the printer or on the Android device.
- Populating the template to print with the Print Station App for Android.
- Support Bluetooth, USB & WLAN.
- For more info: [Print Station App for Android Devices](#)

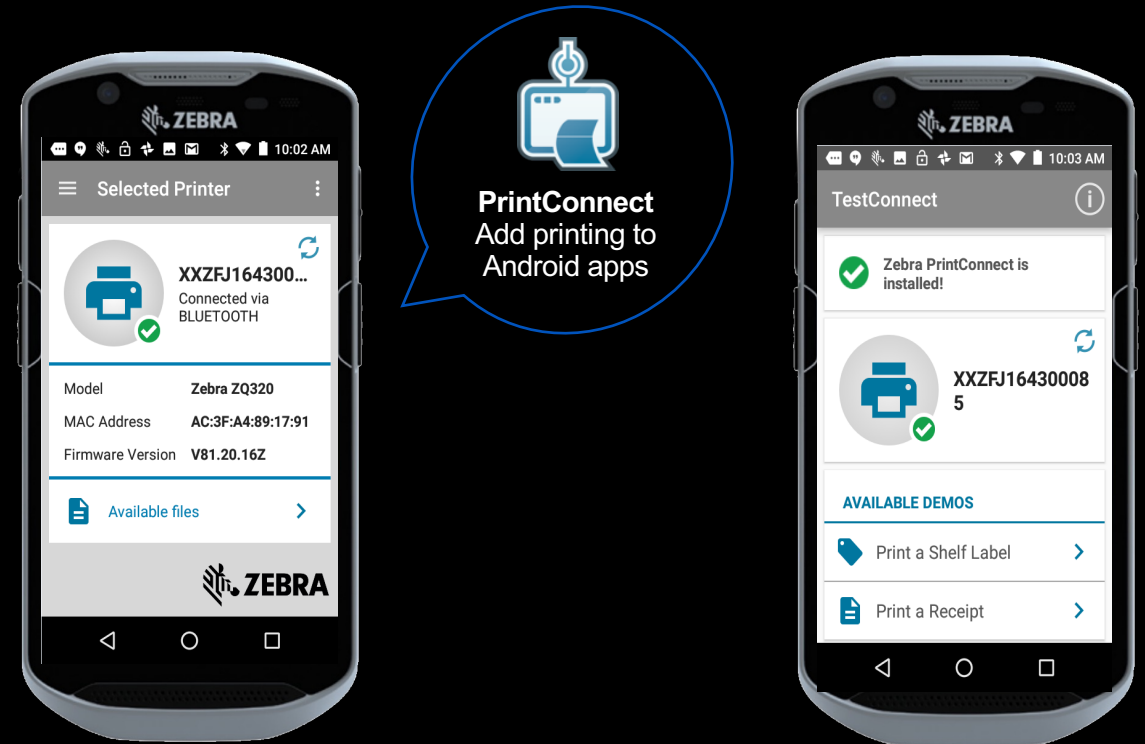


ZebraDesigner - PrintConnect

PrintConnect is available both on Google Play and in Link-OS SDK

Zebra 
DevCon 2023

- Using ZebraDesigner to design the label or receipt templates
- Store the templates either on a cloud storage or on your Android device
- Download & install the PrintConnect app on your device
- Populating the variables in the templates via your own app
- Support Bluetooth®, LAN & WLAN
- For more info
 - [Zebra PrintConnect User Guide](#)
 - [Print Connect Application Note](#)



ZebraDesigner
Developers

ZebraDesigner for Developers Edition

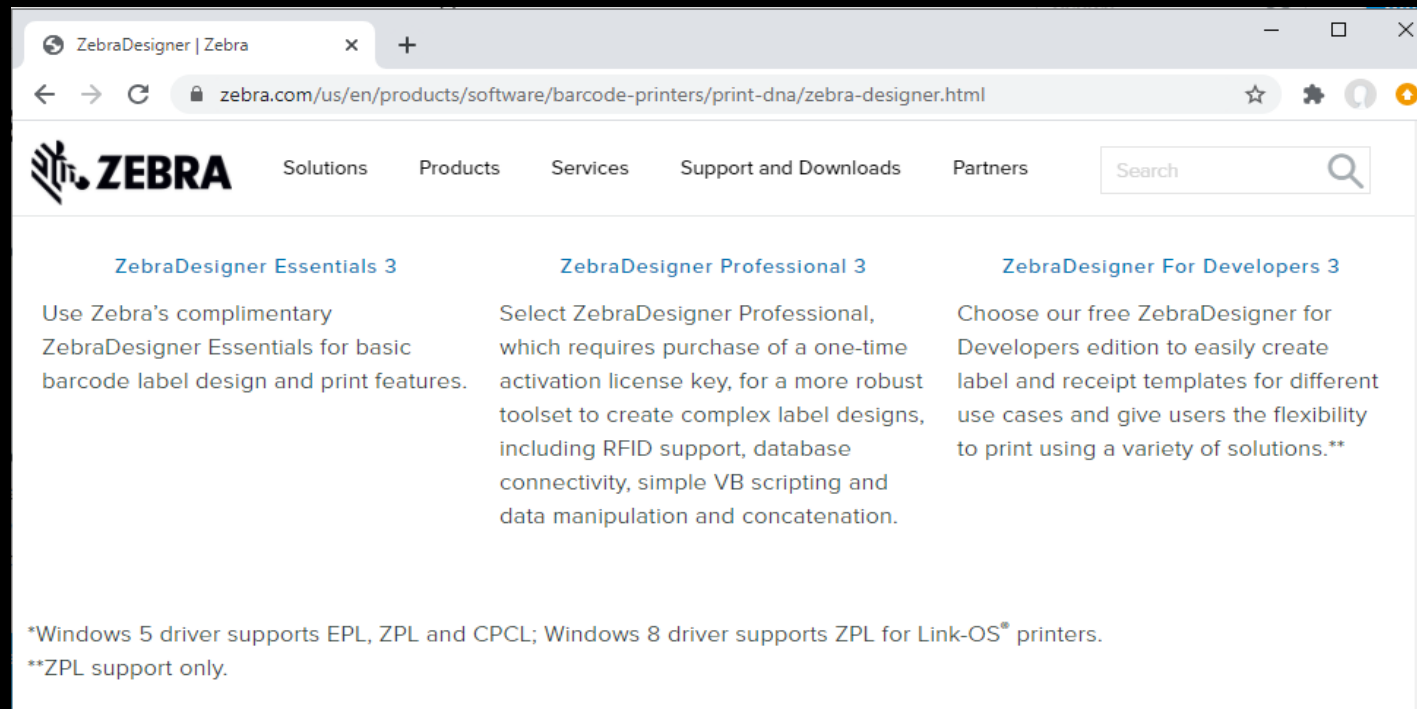
Summary



	ZebraDesigner Essentials	ZebraDesigner Professional	ZebraDesigner Developers
	Essentials Edition	Professional Edition	Developers Edition
Label Design	✓	✓	✓
DB Conn Support		✓	
RFID Tag Support		✓	✓
Stored/Recall Format	✓	✓	✓
XML Enabled Template			✓
Label Printing	✓	✓	
Test Label Print	✓	✓	✓
Integration w/ other solution		✓	✓
License	Free	Licensed	Free
Supported Driver	v5 & v8	v5 & v8	v8 only

Available for Download on Zebra.com

- Downloads are available at:
 - <https://www.zebra.com/us/en/products/software/barcode-printers/print-dna/zebra-designer.html>



ZebraDesigner for Developers 3

Walkthrough

Quick Walkthrough

Zebra DevCon 2023



Thank You

ZEBRA and the stylized Zebra head are trademarks of Zebra Technologies Corp., registered in many jurisdictions worldwide. All other trademarks are the property of their respective owners.
©2023 Zebra Technologies Corp. and/or its affiliates. All rights reserved.