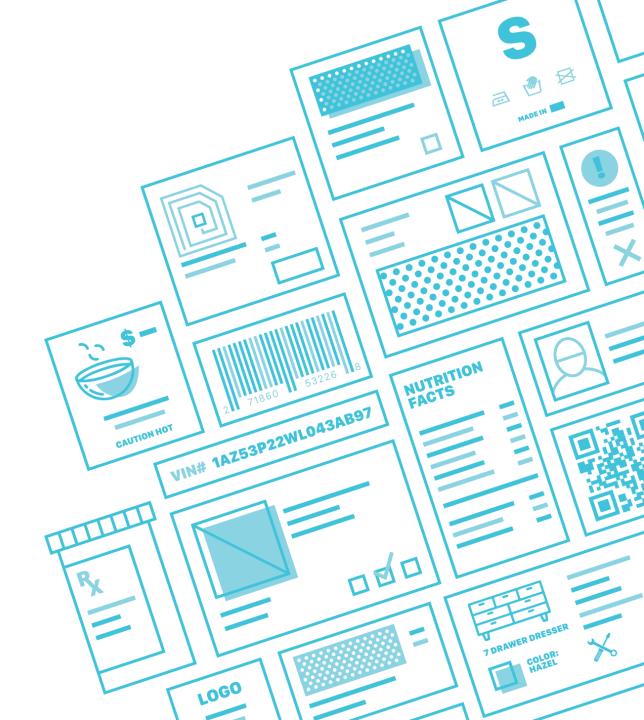


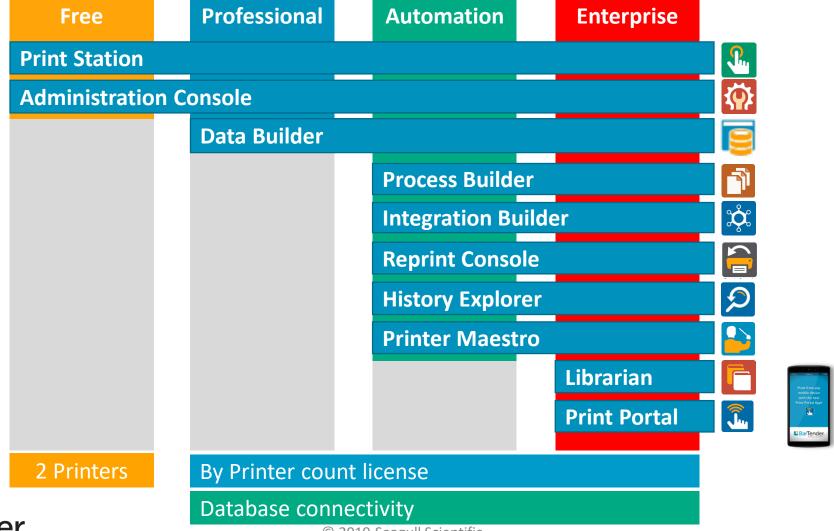


What's New of BarTender 2019





BarTender 2019 Editions

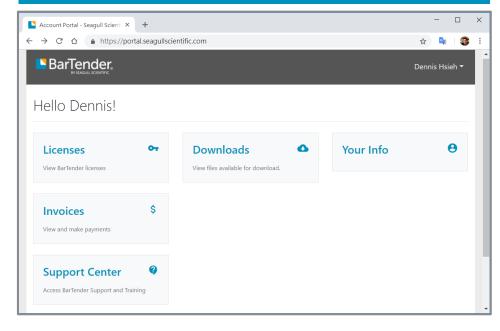




About Free edition

	BarTender 2016 Basic edition	BarTender 2019 Free edition
Printer Qty.	Unlimited	2
Data Entry Form	YES	NO
Intelligent Template	NO	YES
System Database	-	Need
Native PDF support	-	NO
Functionality	Basic	Full*

Get Free PKC from Seagull Customer Portal http://portal.seagullscientific.com

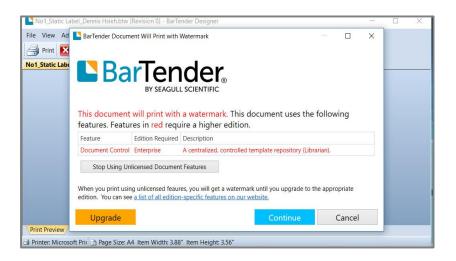


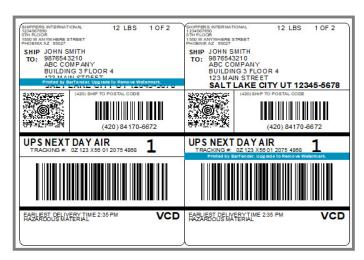
^{*}If a trial feature is being used that is not supported by the edition, then you will see a demonstration mode warning message and watermark on the printed item.



Watermarking trial features

- Trial any feature no matter the edition.
- ▶ If a trial feature is being used that is not supported by the edition, then you will see a demonstration mode warning message and watermark on the printed item.
- Our website no longer offers trial version of BarTender.







Licensing System



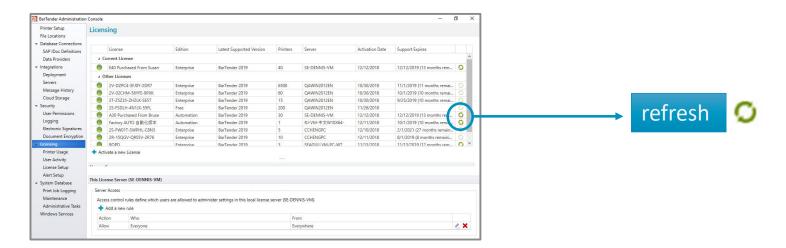






The new licensing system

- Seagull License Server becomes part of the Administration Console
- Multiple PKC may be hosted on a single server (may be entirely different customers)
- Support Dynamic PKC:
 - Software upgrade or printer add-on will use the same PKC;
 - ▶ licensing information will be synchronized with the Seagull Activation server.

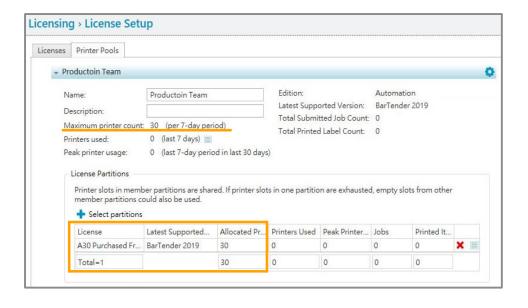




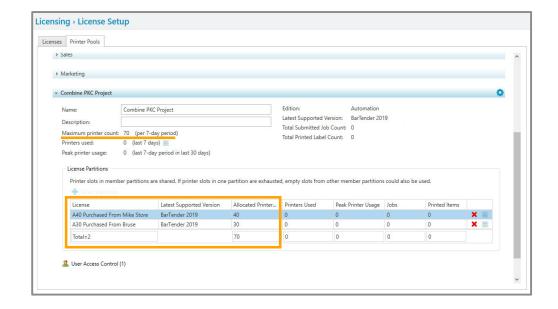


Printer Pool

 Assign <u>single licenses</u> (PKC) into one single Printer Pool



 Assign <u>multiple licenses</u> (PKC) into one single Printer Pool (same edition)





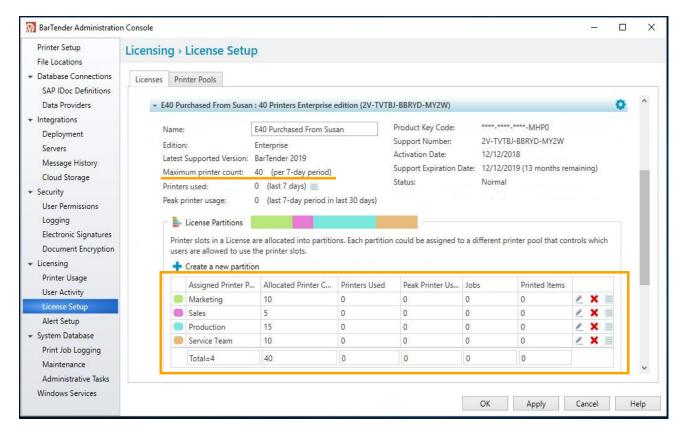






License Partition

Single license (PKC) may be partitioned into different pools (typically divisions within a company)





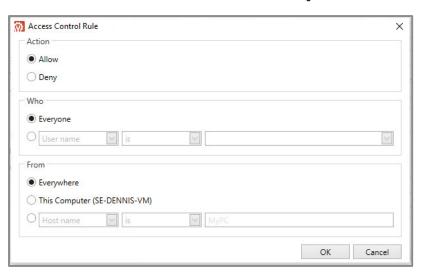


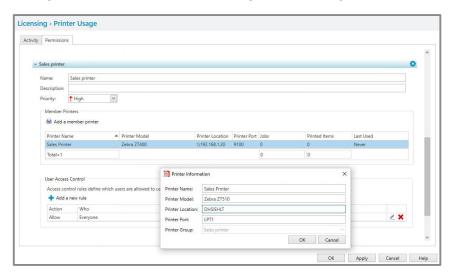




Permission and Printer Group

- User Access Control
 - Deny or Allow which user/computer can access license server
 - Deny or Allow which user/computer can access PKC (product key code)
 - Deny or Allow which user/computer can access Printer Pool
 - Disallow or Allow certain printer model/printer location/printer port for use

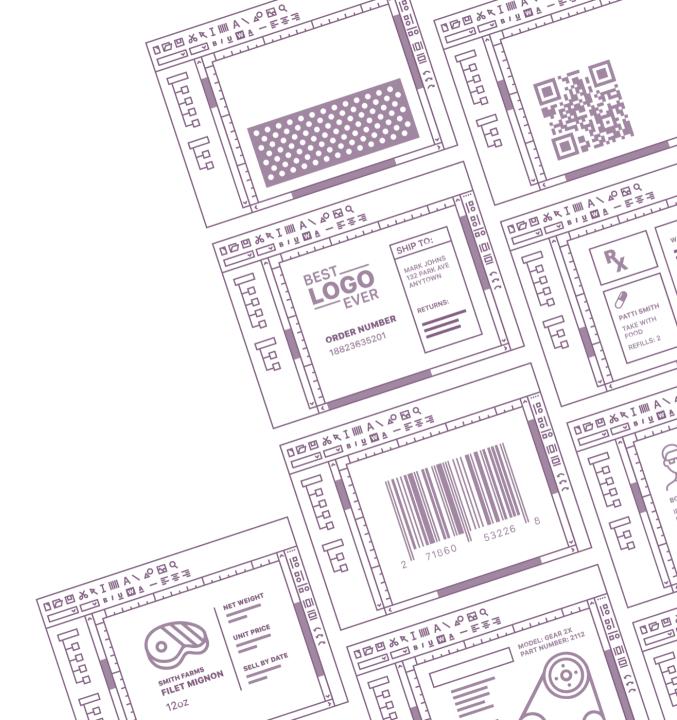






Template Design





F





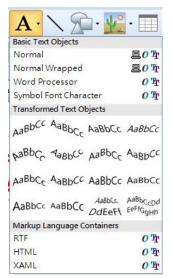


New editor improvements

NEW

- New on-screen edit experience
 - Enhanced WYSIWYG editing of any text object
 - Supports mixing font styles and colors
 - Includes rotated and arc text
 - ► Full support for Chinese, Japanese, and Korean IME





Angle:	15°	~
	0°	
Layer	30°	
Luyer	45°	
Layer:	60°	
	90°	
	120°	
Lock Ob	j∈ 135°	
	150°	
	180°	
	210°	
	225°	
	240°	
	270°	
	300°	
	315°	
	330°	









Multiple columns

ラベル デザイン ソフトウェア 必知事項

日々の生活はラベルに囲まれています。受け取った荷物、 購入した品物、処方を受けた 薬剤、買ってきた食料品などには、すべて情報、識別、取 扱説明、警告などが記載されたラベルが貼付されています。

●ラベルを見れば果物がどこで 育ったかがわかります。貨物 にどのような化学品が入っ扱い いて、どうすれば安全に扱会社 るかがわかります。輸送会社 は、倉庫から玄関前まで荷物を 簡単に追跡できます。

毎日どれほどラベルに依存し ているかを考えれば、ラベル デザイン ソフトウェアは簡単 で柔軟性があり正確である必 要があります。

初心者が魅力的なラベルをすりがある。 が魅力的できるでいたをすりであるとができる。 が業界の標準であるが、できるの規制を が業界の標準などのである。 できるはます。 に関する GHS、食品ラベルに関する PTI およびに関する UDI、 で加いに関する UDI、

オフィスのレーザー プリンタ からシートで、あるいは産業 用のプリント アンド アプライ システムからロールで印刷す る場合のどちらでも、選択し たプリンタで機能する必要が あります。

キーボードから入力されたデータ、梱包用のはかりからインポートされた重量、またはコーポレート ERP システムや

ラベルごとに変わる連番など 、あらゆる情報源からの情報 を受け入れる必要があります

Wrap to borders

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Asperiores maiores repellat harum itaque dolores iure pariatur, molestias, sapiente numquam similique ut sequi nesciunt inventore natus sed. Dicta quisquam facere suscipit. Lorem, ipsum dolor sit amet consectetur adipisicing elit. Asperiores maiores repellat harum itaque dolores iure pariatur, molestias, sapiente numquam similique ut segui nesciunt inventore natus sed. Dicta quisquam facere suscipit. Lorem, ipsum dolor sit amet consectetur adipisicing elit. Asperiores maiores repellat harum itaque dolores iure pariatur, molestias, sapiente numquam similique ut segui nesciunt inventore natus sed. Dicta quisquam facere suscipit. Lorem, ipsum dolor sit amet consectetur adipisicing elit. Asperiores maiores repellat harum itaque dolores iure pariatur, molestias, sapiente numquam similique ut segui nesciunt inventore natus sed. Dicta quisquam facere suscipit.amet consectetur adipisicing elit.



New text styles

- Improved typographical precision to 0.1 pt
- Superscript and subscript are fully supported
- ► Arbitrary baseline adjustment is supported
- Improved underline and strikethrough
- Various line styles
- Set line color independently of text color
- Option to underline each word
- Small Caps style is Now Supported
- ► Slash zero and dotted zero styles can k

 $E=MC^2 H_2SO_4$



Order: 0001234

Order: 0001234



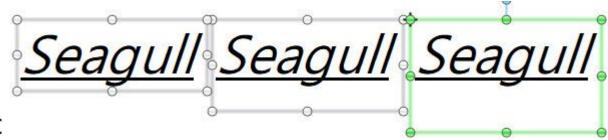










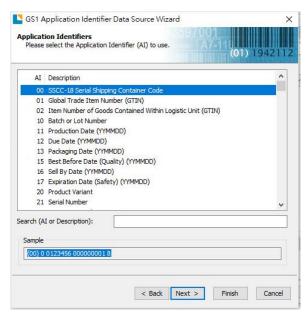




Update of barcode symbologies and standards

- ► Free rotation of barcodes (no longer limited to 90° intervals)
- New barcode symbologies
 - Complex Mail Data Mark (CMDM)
 - PPM (IFA Pharmacy Product Number)
 - Royal Mail Mailmark (added Type C and Type L)
 - Singapore Post
- Updated to latest GS1 standard (v17)
- Improved multi-lingual support for QR Code
 - Auto encoding provides better experience for Chinese users
 - Full support for ECI (Extended Channel Interpretation)













Grid layouts

Grid Layout object helps complex layouts can be created without any scripting

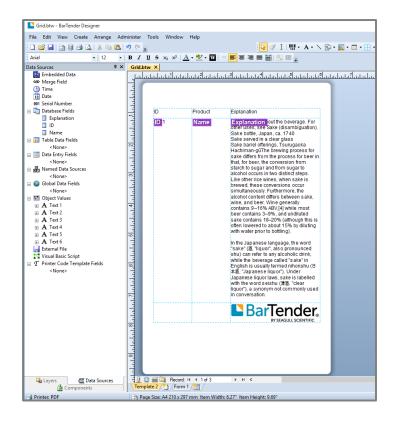










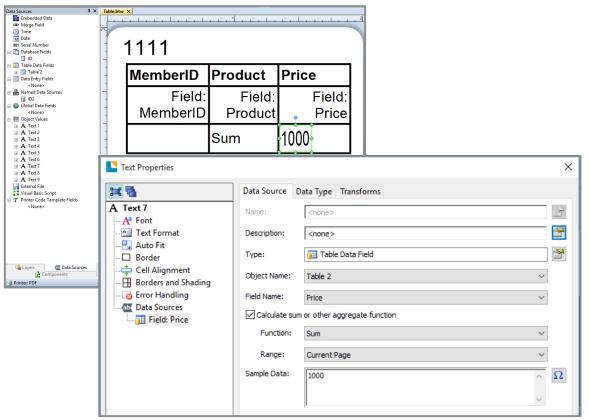






Table object





Database

ID	Product	Price
1111	Sake	1000
3333	Wine	3000
2222	Beer	500
2222	Coke	200
1111	Beer	500
2222	Water	200
3333	Beer	300

Printed Label

۲,	1111		·	
	MemberiD	Product	Price	
	1111	Sake	1000	
	1111	Beer	500	
		Sum	1500	

	Product	
2222		500
2222	Coke	200
2222	Water	200
	Sum	900

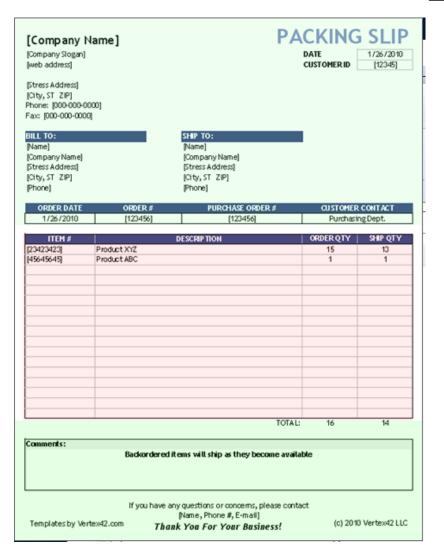
3333		
Mem beriD	Product	Price
3333	W Ine	3000
3333	Beer	300
	Sum	3300





Table Example – Packing Slip

- Many packing slips, invoices, and receipts can be broken down into:
 - Common data fields at the top
 - ► A table in the middle
 - Common data fields at the bottom.





Database Connectivity





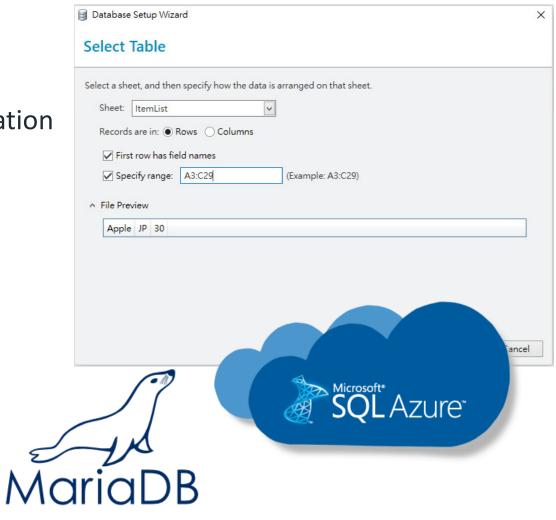






New Database drivers

- NEW Excel driver
 - Higher performance (5X FASTER!)
 - Select table from range C3:J29, vertical orientation
- ► NEW Access/Excel driver
 - No more 32-bit vs. 64-bit concerns
 - Microsoft ODBC driver is no longer need
- Support for Microsoft Azure SQL
- Support for MariaDB (related to MySQL)
- Direct support for XML files
- BarTender Data Builder (BTDB)



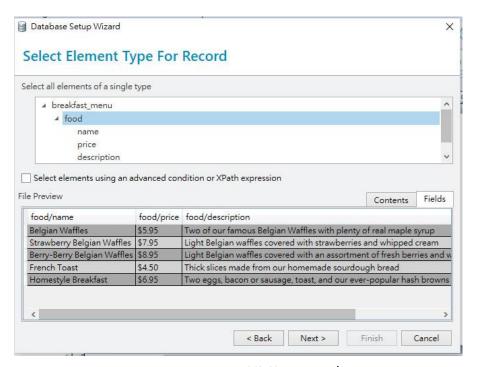




XML support

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
▼<breakfast_menu>
 ▼<food>
     <name>Belgian Waffles</name>
    <pri><price>$5.95</price>
   ▼<description>
      Two of our famous Belgian Waffles with plenty of real maple syrup
    </description>
    <calories>650</calories>
   </food>
  ▼<food>
    <name>Strawberry Belgian Waffles</name>
    <price>$7.95</price>
   ▼<description>
      Light Belgian waffles covered with strawberries and whipped cream
    </description>
    <calories>900</calories>
   </food>
  ▼<food>
    <name>Berry-Berry Belgian Waffles</name>
    <price>$8.95</price>
   ▼<description>
      Light Belgian waffles covered with an assortment of fresh berries and whipped cream
    </description>
    <calories>900</calories>
   </food>
  ▼<food>
     <name>French Toast</name>
    <price>$4.50</price>
   ▼<description>
      Thick slices made from our homemade sourdough bread
    </description>
    <calories>600</calories>
   </food>
  ▼<food>
    <name>Homestyle Breakfast</name>
    <price>$6.95</price>
      Two eggs, bacon or sausage, toast, and our ever-popular hash browns
    </description>
    <calories>950</calories>
   </food>
 </breakfast_menu>
```



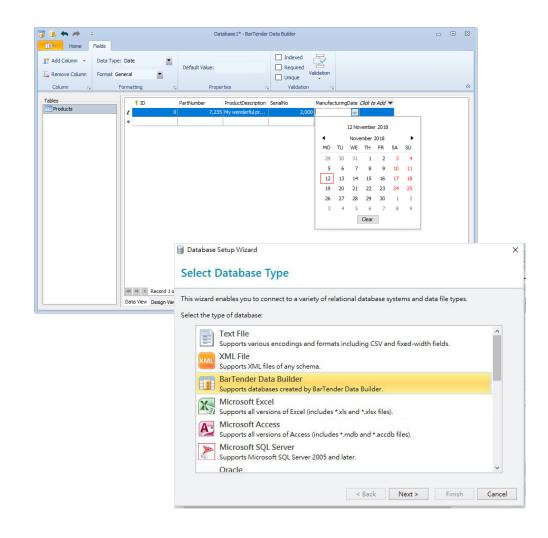
XML example source: https://www.w3schools.com



Data Builder Editor / Embedded data tables



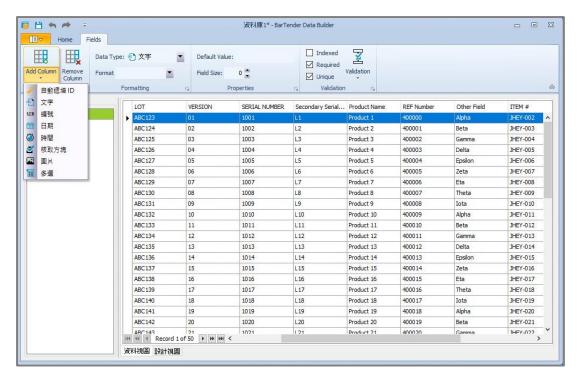
- Data Builder Editor
 - Tailor-made database for label design BTDB
 - New file-based database editor
 - Directly supported as a native database type in BarTender as *.btdb
 - Import data from various database
- Embedded data tables
 - The same Data Builder functionality is available for embedding within the BarTender document itself





Support various data types

- Data Type supports:
 - Auto-Incrementing ID, Text, Number, Data, Time, Checkbox, Picture, Multiple Choice



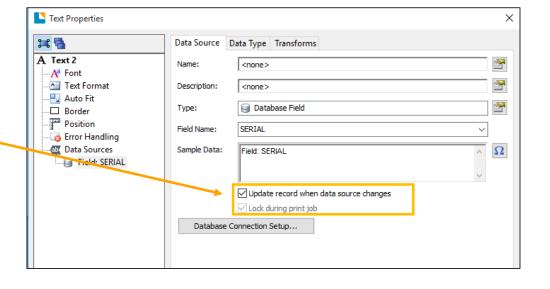






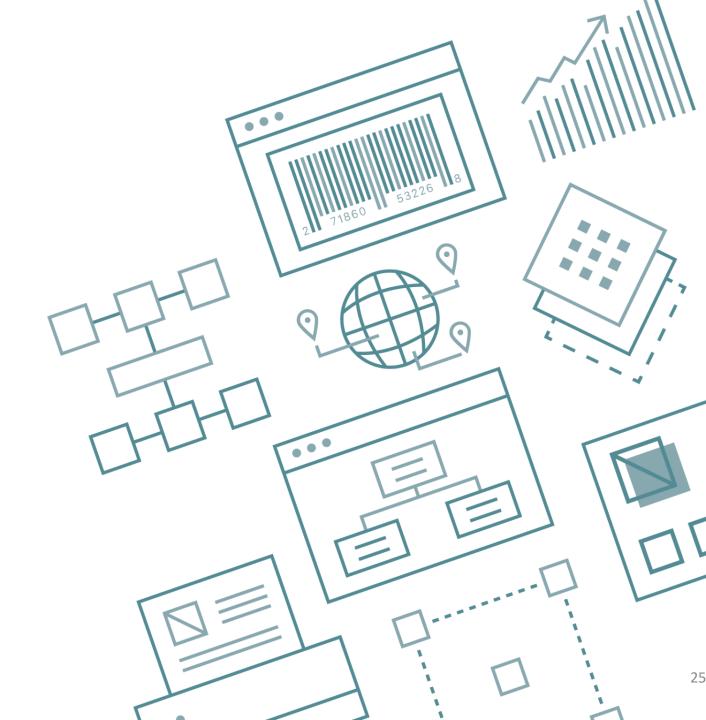
- Write back to database
 - ► BarTender 2019 supports save serial number in each records
 - ► No more use VBScript
 - ► Limited support on SQL server and Data Builder/Embedded Data Table







Data Entry Form

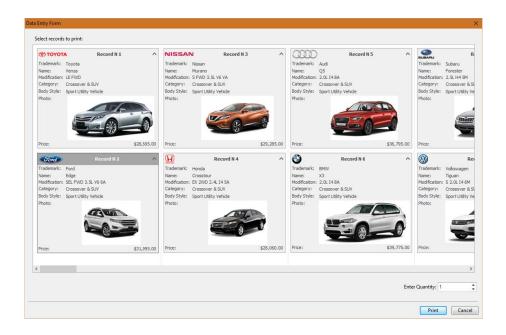


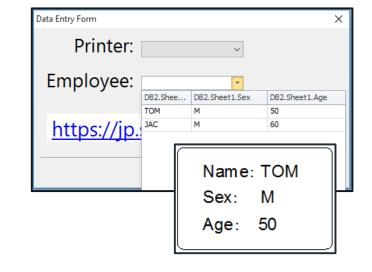




Record Picker & List Controls

- Enhanced Record Picker
 - Support for pictures as a column type
 - Many new view options including <u>card</u> and carousel views
- ► NEW Multi-column lists
 - List box and dropdown lists now support the same features as the record picker, including different view styles and picture columns
 - Each column can be independently bound to a different data source
 - Each control can be bound to a different database



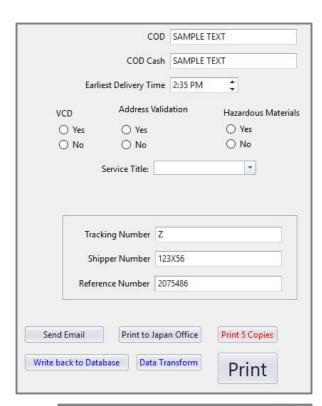


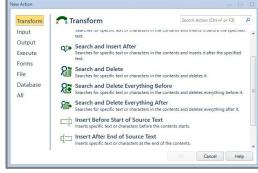


New Controls and Actions

- New controls
 - Button control
 - Hyperlink control
- Support for actions
 - Navigate to and show another form
 - Execute any action(s) supported by Integration Builder
 - Includes new actions like create/update/delete database record
- Forms no longer limited to printing labels
- ▶ Build simple applications that can manage database records, send e-mails, save PDFs, and more...







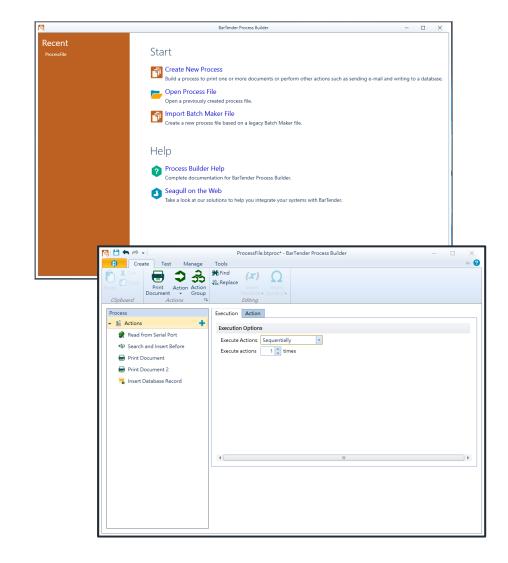
Process Builder





Process Builder

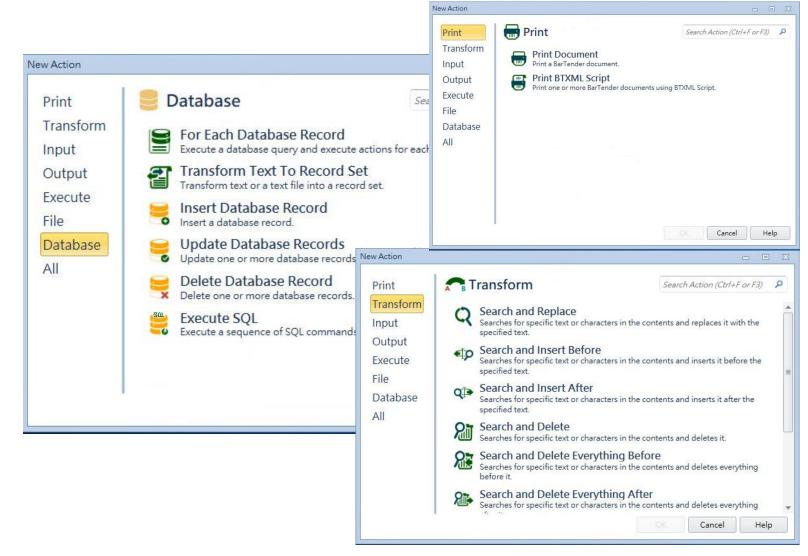
- Batch Maker was an easy-to-use tool with a single limited purpose
 - Print multiple BarTender documents in order
 - File can be executed from Print Station or by double-clicking it
- Process Builder replaces this with something more powerful
 - It is still very easy to print a sequence of documents like Batch Maker
 - Also supports any of the actions supported by Integration Builder: send e-mail, copy files, write to a database, and more...





Process Builder

- Print Actions
- Transform Actions
- ► Input Actions
- Output Actions
- Execute Actions
- File Actions
- Database Actions





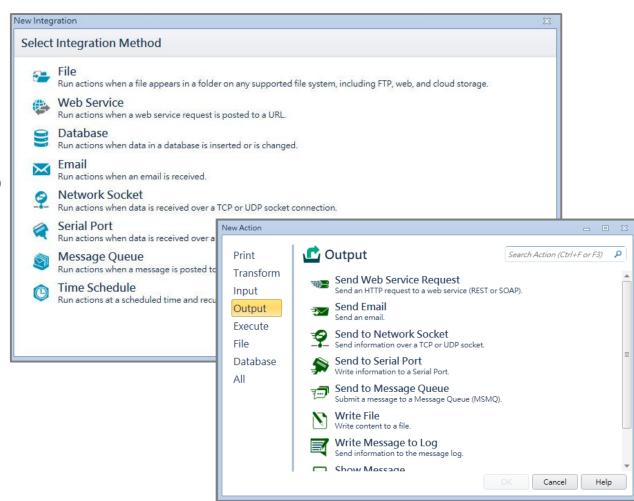
Integration Builder





Improved Integration Builder

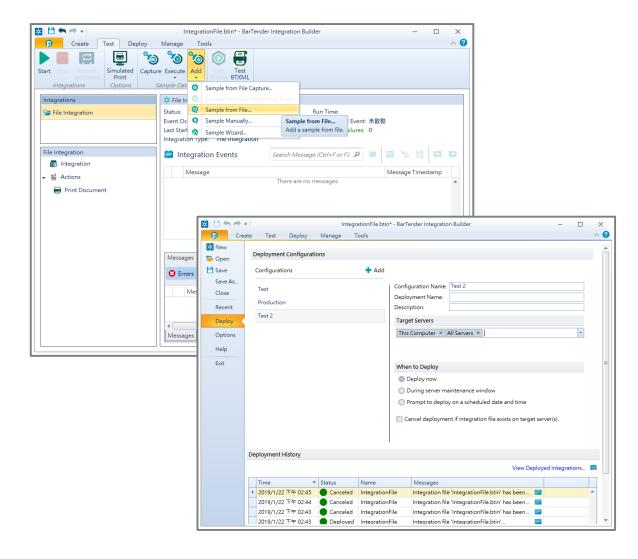
- Redesign, NEW UI, and NEW Icon
- Easier to use, enhance user experience.
 - More wizards and other UI tweaks to make things easier to understand
 - Distinct graphics for easier identification of actions & integrations
 - UI divided into better tabs, overhauled and dynamic ribbons.





Improved Testing and Deploy

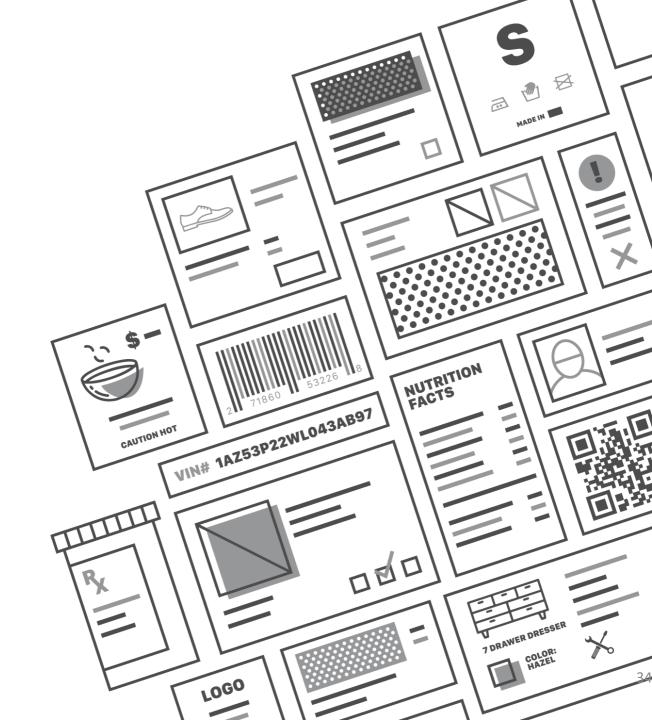
- Testing
 - Using Sample Data Sources
 - More Testing modes
 - Testing Actions
- Deploy
 - New Deploy ribbon and options





Printing Enhancements









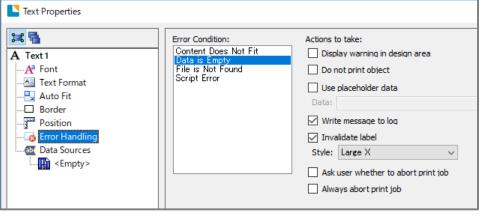




Standardized error handling

NEW

- Error handling functionality has been added for all BarTender design objects
 - Data is empty
 - Data is invalid
 - Object does not fit on label
 - ▶ File is not found
- Several different actions may be taken
 - Display warning in design view
 - Prompt to abort print job, or just abort it
 - Print with placeholder data (e.g. "* * ERROR * *")
 - Log messages











Native PDF support



BarTender now includes a built-in PDF printer for quick and easy printing to PDF.

- Optimized output
 - Uses text and vector commands where possible
 - Considerably faster than using third party printer driver
- BarTender can automatically generate PDF names using a pattern and incrementing number, or prompt the user at print time
- Support for PDF encryption with passwords

^{**}Limitation: With each printer license granting the right to generate up to 2,000 printed templates per week

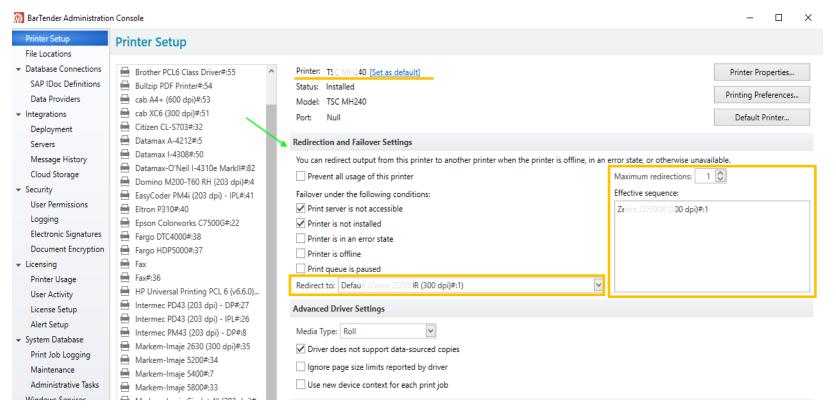






Printer failover

 Automatically redirect jobs when a printer is unavailable, paused, or has an error condition such as out of paper or ribbon





Summary

- New installer and more flexible activation and licensing
- Improved user experience with more intuitive template editing
- Augmented data sourcing and data storage capabilities
- Powerful features added to forms for a more app like experience
- Improvements to the integration build and testing
- New printing capabilities and features



