

# BarTender® 2019 features



General		Professional	Automation	Enterprise
<b>Business label design and management</b>	Robust easy-to-use design tools, Intelligent Templates™ and basic printing	•	•	•
<b>Dynamic business printing</b>	Database connectivity, data entry forms, security, encoding and manual printing	•	•	•
<b>Efficient automated printing</b>	Intelligent forms, application building and automated printing		•	•
<b>Comprehensive enterprise-wide printing</b>	Centralized management, certified integrations, document management, web & mobile printing and comprehensive security			•
Included Applications		Professional	Automation	Enterprise
<b>Administration Console</b>	Manage the features available in your edition, which may include security, licensing, integrations, printer failover and more	•	•	•
<b>Designer</b>	Create your label and document templates - also serves as the print engine when integrating and automating the label printing process	•	•	•
<b>Data Builder</b>	Build and manage your own database without external applications like Excel or Access	•	•	•
<b>Print Station</b>	A simple, efficient interface for selecting and printing BarTender documents	•	•	•
<b>Integration Builder</b>	Connects BarTender with your business systems to enable automated printing directly from those systems		•	•
<b>Process Builder</b>	An easy graphical UI to build your own custom label and document printing solutions without the need for coding like C# or VB.NET		•	•
<b>History Explorer</b>	Centralized data logging and audit trail including print history, user access and more		*	•
<b>Reprint Console</b>	Reprint identical copies of previously printed labels and documents that may be misplaced or damaged		*	•
<b>Printer Maestro</b>	Provides centralized print management tools for printers and print jobs throughout a corporate network			•
<b>Librarian</b>	Centrally manage documents and create workflows for template approval using role-based security			•
<b>Print Portal</b>	Allows dynamic web-based printing right from your web browser - works with the Print Portal App for mobile printing from Android and iOS devices			•
Support		Professional	Automation	Enterprise
<b>Standard Maintenance and Support</b>	Upgrade to the latest BarTender version free, and get live technical support by phone and chat during business hours with a guaranteed 24hr response time. Free for the first year.	Includes 1 year	Includes 1 year	Includes 1 year
<b>Premium Maintenance and Support</b>	Add-on option to Standard Maintenance and Support which provides 24/7 live support access with a guaranteed two hour response time		•	•

\*Enterprise Edition supports unlimited days of records and centralized logging while Automation Edition supports 7 days of records and individual logging views.

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Easy-To-Use Design		Professional	Automation	Enterprise
<b>Easy WYSIWYG template design</b>	Design tools make it easy to create and print professional labels and documents	•	•	•
<b>New Document Wizard</b>	An easy-to-follow wizard that ensures proper document settings for quality and printing performance	•	•	•
<b>Fonts</b>	Versatile support for OpenType, TrueType, Symbol Font characters and native printer-based fonts	•	•	•
<b>Text formatting</b>	Familiar, Word-like tools for you to easily create and format text	•	•	•
<b>Transformed Text</b>	Add flair to your text objects with a variety of effects, such as fading, inflating, slanting, and more	•	•	•
<b>Shapes and lines</b>	Choose from over 50 shapes and 100 line style combinations	•	•	•
<b>Dynamic text and object wrapping</b>	Create dynamic text that wraps inside and around shapes, objects, document borders and more	•	•	•
<b>Unmatched barcode support</b>	Choose from over 100 1D and 2D symbologies based on over a dozen standards	•	•	•
<b>Barcode human readable</b>	Highly configurable human readable text and character formatting options	•	•	•
<b>GS1 Application Identifier Data Source Wizard</b>	Autoformat GS1-compliant barcodes	•	•	•
<b>Graphics and images</b>	Import more than 70 graphic formats, including AI, PNG, JPG, BMP, TIF, EPS and GIF	•	•	•
<b>Symbols</b>	Choose from a wide variety of included symbols and industry-based symbol fonts	•	•	•
<b>Tables and grids</b>	Create tables and grids to organize text, barcodes, images and other objects	•	•	•
<b>White-on-black printing</b>	Switch objects from black-on-white to white-on-black printing with a single click	•	•	•
<b>Front and back template design</b>	Create two-sided “duplex” printing with separate designs for the front and back of your template	•	•	•
<b>Image exporting</b>	Export entire template images or specific objects in 35+ formats	•	•	•
<b>Embedded revision logging</b>	Capture a revision trail directly in the document — when it was saved, who saved it and additional comments	•	•	•
<b>Comprehensive help system</b>	A complete how-to library, accessible both through BarTender and on the web	•	•	•
Intelligent Templates™		Professional	Automation	Enterprise
<b>Label templates</b>	Design and automation tools that leverage data to reduce the number of label files you manage	•	•	•
<b>Conditional printing</b>	Create data-driven automation rules that specify when different objects, layers or templates in your document will visibly print or become hidden	•	•	•
<b>Template selector</b>	Conditionally print one specific template when multiple templates are available in a document	•	•	•
<b>Layers</b>	Template objects may be stacked, hidden and reordered when created on uniquely identifiable layers	•	•	•
<b>Automatic face detection and cropping</b>	Automated image capture creates perfectly cropped photos for ID badges and card printing	•	•	•
<b>Scriptable object properties</b>	Modify the look and feel of template objects by using powerful Visual Basic scripts	•	•	•
<b>Suppression</b>	Ignore the content of a data source under certain conditions	•	•	•

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Dynamic data and databases		Professional	Automation	Enterprise
<b>Advanced serialization</b>	Create serial numbers using comprehensive tools that support alphanumeric, hexadecimal and custom sequencing patterns	•	•	•
<b>Date and time</b>	Dynamically source dates and times from Windows or clock-enabled printers	•	•	•
<b>Data validation and processing</b>	Specify data validation rules and automatically correct data or issue warnings	•	•	•
<b>Concatenate data</b>	Create text and barcode objects that combine information from multiple data sources	•	•	•
<b>Embedded database tables</b>	Create your own database tables that travel with your BarTender document designs	•	•	•
<b>Enhanced database connectivity</b>	Connect BarTender document designs to external data sources such as SAP, Oracle, MS SQL, Azure SQL, XML, Data Builder, Excel, text files and more to print dynamically	•	•	•
<b>Named database connections</b>	Name commonly used database connections to quickly add them to new document designs	•	•	•
<b>Database filters</b>	Print select database records using convenient query and filter options	•	•	•
<b>Database sourced tables</b>	Easily create tables using data from a database or external file	•	•	•
<b>Global database field</b>	Centralize a data field and share it between BarTender documents and workstations	•	•	•
<b>Dynamic data preview</b>	See how your document handles real dynamic data during the design process	•	•	•
<b>Dynamic graphics and images</b>	Automatically source images for printing based on selected database records or queries	•	•	•
<b>Visual Basic scripting</b>	Create scripts for custom data processing	•	•	•
<b>Write back to databases</b>	Write back to SQL-based databases to keep track of printed records, serial numbers and much more	•	•	•
Data-entry forms		Professional	Automation	Enterprise
<b>Powerful form controls</b>	Make data input and selection easy by leveraging over 15 highly configurable form controls	•	•	•
<b>Keyboard and mouse input</b>	Use keyboard and mouse commands to select or enter data into forms at print time	•	•	•
<b>Scanner input</b>	Use a barcode scanner to input information to data-entry forms at print time	•	•	•
<b>Weighing scale input</b>	Populate the weight of an item at print time by connecting your weighing scale to BarTender	•	•	•
<b>Image capture</b>	Capture images at print time for ID cards or event badge printing	•	•	•
<b>Data validation</b>	Reduce user input errors by introducing data validation and error checking	•	•	•
<b>Database record selection</b>	Select or query the correct database records at print time using helpful form controls	•	•	•

Integration and automation		Professional	Automation	Enterprise
<b>Intelligent Forms</b>	Create forms that run automated processes and actions based on user selections, user input or during certain events		•	•
<b>Document Level Actions</b>	Reduce manual efforts by triggering actions in response to events such as printing		•	•
<b>Business systems</b>	Seamlessly integrate automated label and document printing with any business system, including SAP, Oracle, Infor, Highjump, Epicor, Netsuite, Sage and more		•	•
<b>Integrations</b>	<b>Web services:</b> Use RESTful web services to exchange data in real-time to run actions		•	•
	<b>File drop:</b> Monitor local, network and cloud-based folder locations (including Amazon S3, Dropbox, FwTP/SFTP) to run actions and automate		•	•
	<b>Email:</b> Monitor email reception and print according to its contents		•	•
	<b>TCP/IP sockets:</b> Stream data to run actions using this bidirectional communication method		•	•
	<b>Database monitoring:</b> Monitor when data is inserted or changed in database table fields to run actions		•	•
	<b>RS232 Serial:</b> Run actions when data is received		•	•
<b>Other:</b> Run actions according to a time schedule or when a message is posted to a Microsoft Message Queue		•	•	
<b>Integration data</b>	Integrate automated printing processes using all common data structures and formats such as XML, JSON, SAP IDOCs, Oracle XML, ASCII & Unicode coded text-based data		•	•
<b>.NET SDK</b>	Seamlessly integrate printing, scheduling and database functionality (including ActiveX Automation and Command Line/Shell Script support)		•	•
<b>.NET SDK (Librarian API)</b>	Seamlessly integrate Librarian revision control functionality (including ActiveX Automation and Command Line/Shell Script support)			•
<b>Tested and proven for enterprise environments</b>	Certified by SAP, Sage and Oracle			•

Printing		Professional	Automation	Enterprise
<b>Drivers by Seagull™</b>	Printer Drivers by Seagull™ enable high-performance printing	•	•	•
<b>Print optimizations</b>	Improve print speed by taking full advantage of printer-based features such as serialization, barcodes, real-time clock, static data and graphic caching	•	•	•
<b>Printer configuration and diagnostics</b>	Perform printer management functions in BarTender, bypassing the printer front panel	•	•	•
<b>Print productivity</b>	Print labels and documents to any Windows printer driver	•	•	•
<b>On-demand and batch printing</b>	Print labels and documents on-demand or batch together using one or more BarTender templates	•	•	•
<b>Print preview</b>	Review your dynamic print jobs before printing	•	•	•
<b>RFID, smartcard and magnetic stripe encoding</b>	Encode RFID tags, smartcards and magnetic stripe cards as easily as adding barcodes to your template design	•	•	•
<b>Native PDF generation</b>	Generate PDFs without installing third-party PDF drivers	•	•	•
<b>Printer code templates</b>	Design templates in BarTender and export printer code that can be used with other print systems	•	•	•
<b>Web printing</b>	Select and print documents using a web browser	•	•	•
<b>Mobile printing</b>	Select and print documents using Android and iOS mobile apps	•	•	•
<b>Printer failover</b>	Automatically redirect to another printer in the event of printer failure	•	•	•

Centralized Management		Professional	Automation	Enterprise
<b>Reprint labels and documents</b>	Reprint identical copies of previously printed labels and documents that may be misplaced or damaged		*	•
<b>Centralized role-based permission management</b>	Centrally manage user and group roles for printing and management features			•
<b>Centralized document storage</b>	Track and manage the entire organization's label templates in one place			•
<b>Template files and revision control</b>	Manage revisions across the organization - roll out changes in an instant to all users			•
<b>Optimized label design workflows</b>	Define design and publishing workflows to enable management and traceability			•
<b>Define workflow team</b>	Increase team accountability during the label revision and publishing process			•
<b>System audit trail</b>	Review history of print jobs, document changes, electronic signatures and user actions			•

Security and alerts		Professional	Automation	Enterprise
<b>Role-based security</b>	Assign permissions to applications and functions using Windows Active Directory users and groups, or local Windows users	•	•	•
<b>Document and printing password</b>	Require a password to design and/or print	•	•	•
<b>Status monitoring</b>	Reports information back to Windows regarding printer/print job status and error conditions	•	•	•
<b>Email alerts</b>	Automatically notify IT managers or other operational team members if labeling problems occur		•	•
<b>Electronic signatures</b>	Enable for audit trail accountability and regulatory compliance			•
<b>Document encryption</b>	Secure document usage between validated BarTender workstations			•

\*Enterprise Edition supports unlimited days of reprinting records while Automation Edition supports 7 days of reprinting records  
 BarTender Release 11.1 R8 and above