

10.5 NiceLabel Release Notes

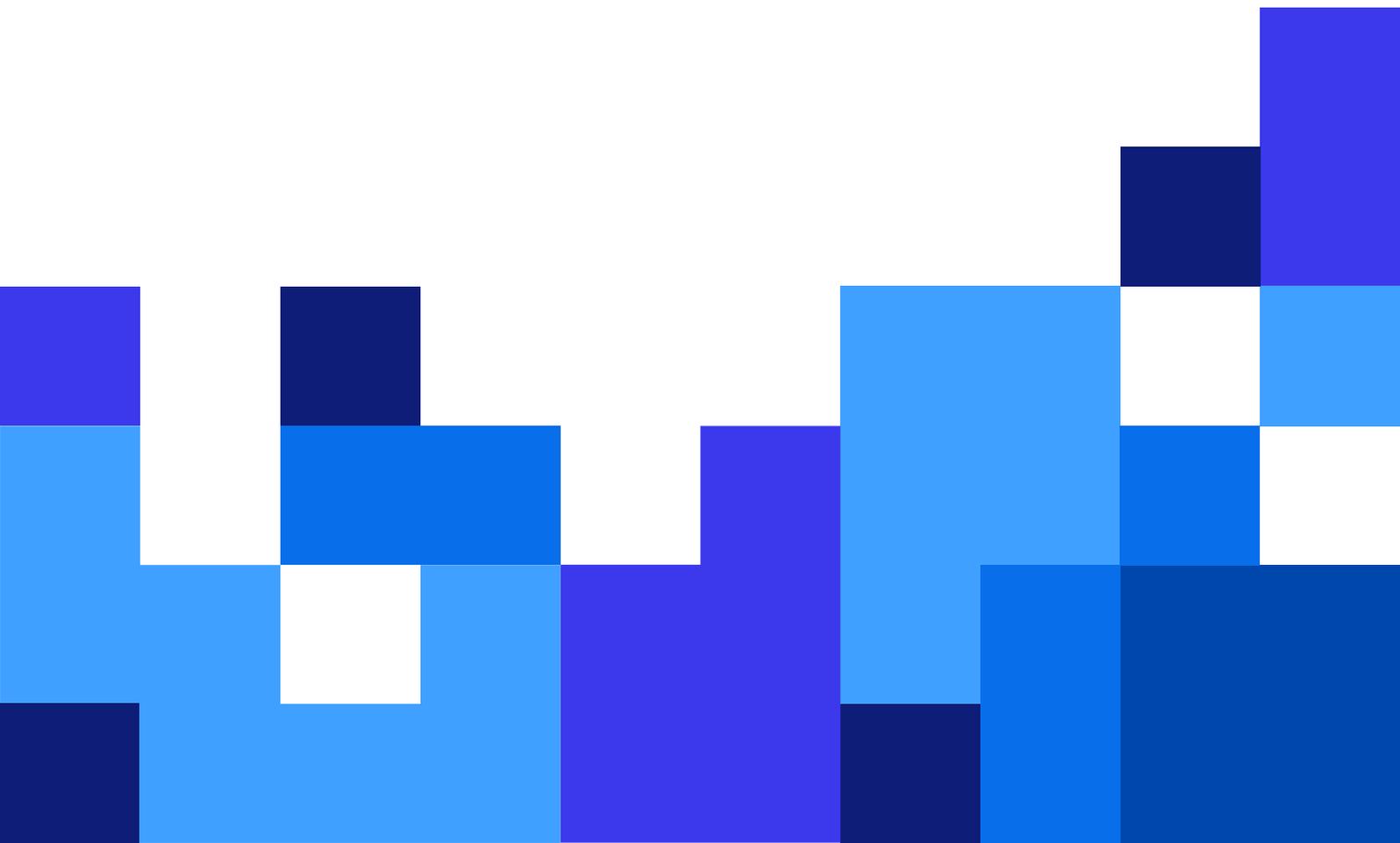


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1. New in the NiceLabel product range

1.1. The Loftware licensing policy

Loftware has moved forward to transition the company into a subscription-based business. From version 10.5 Loftware no longer sells perpetual licenses with the Loftware label design and print products. Moving forward, Loftware will only offer subscription-based licensing. Loftware will commit to ongoing customer relationships and making more convenient and cost-efficient solutions.



NOTE

The change applies to new sales. The existing customers can remain on the current licensing model and gradually move into the subscription model conveniently at their own pace.

Perpetual licenses remain available for customers with sites without internet connectivity and are subject to the sales approval process.

1.2. Changes to the NiceLabel product portfolio

Changes to the NiceLabel product portfolio

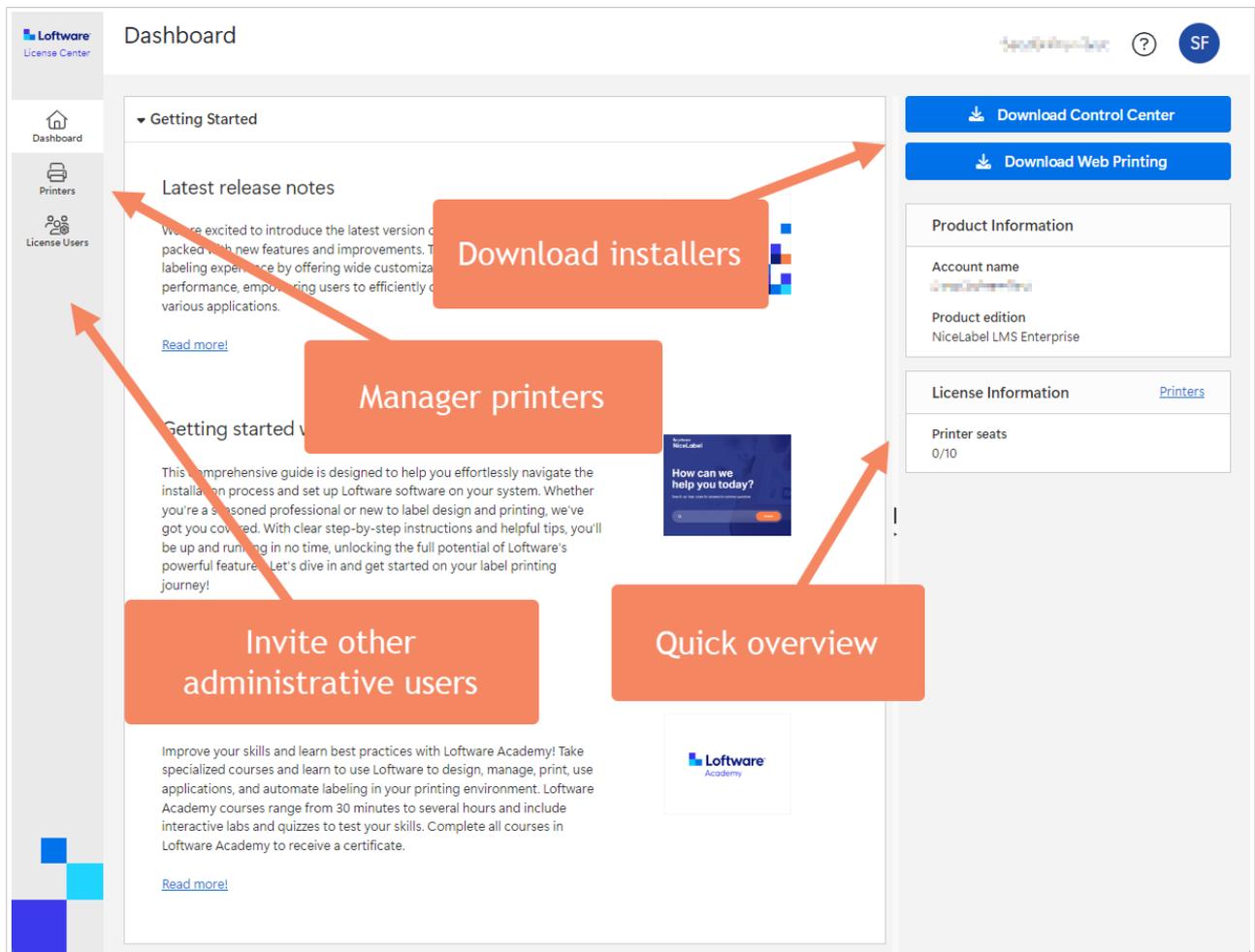
TODAY	GOING FORWARD
I am an existing NiceLabel customer of on-premise product	No action is needed from your side, add-ons and edition upgrades are still possible. Subscription-based licensing is not possible. The following products have been discontinued: NiceLabel Designer Express and NiceLabel Designer PowerForms .
I am a new NiceLabel customer of on-premise product	The following products are available with subscription-based licensing: NiceLabel Designer Pro , NiceLabel PowerForms Suite , NiceLabel LMS Pro , and NiceLabel LMS Enterprise .

1.3. Loftware License Center

Loftware License Center is a new web portal to help you provision the Loftware on-premise modules, manage licensing, and supervise the printer seats.

Upon purchasing the on-premise NiceLabel product, you receive an invitation in an email to activate it. The link opens the License Center, where you must sign in using your existing Microsoft or Google account.

Microsoft or Google are only used as the authentication providers. Once you are signed in, you can see your subscription details and download the installers.



You also use the License Center to activate your on-premise modules, such as Control Center, Desktop Designer, and Automation.

- In the case of LMS products, you connect Control Center to License Center and then connect all other modules to Control Center. Only the server with Control Center requires access to the internet (to License Center).
- In the case of Desktop Designer products, you will connect each module to License Center. All workstations require access to the internet (to License Center).

2. Label Management System

2.1. Showing a warning when the Control Center activation is about to expire

When you activate the software, each on-premise NiceLabel product edition gets the authentication token from the Software License Center and automatically refreshes it as long as the internet connection is maintained. This licenses the software and activates it.

In the case of locations with a sporadic internet connection, there might not be enough connection uptime to allow for the token refresh. When that happens, a warning message will start displaying three days before the access token expires. Make sure to reconnect to the internet in the remaining three days, or you will have to reactivate the software.

2.2. .NET Core component update

Software Control Center depends on some essential system components that must be installed on the local system. The prerequisites are bundled in the Control Center installer. With this release, the Control Center installer will update the .NET Core to version 8.x.x.

2.3. Microsoft SQL Server 2022 supported for the database installation

Software Control Center uses Microsoft SQL Server as the database server. From this release, the NiceLabel software supports Microsoft SQL Server 2022 as a database server.

3. Label designer

3.1. Changed rendering of the Rich Text Box object

The Rich Text Box object is a graphically rich object that can contain formatted text and simultaneously use various fonts, tables, pictures, and symbols; you can also include shading effects and colors. The underlying rich text code (RTF) is processed by the external component (DevExpress).

The new Desktop Designer includes the latest version of the RTF component. The new RTF component supports new design capabilities in the Rich Text object (see the topics on hyphenation and multi-column support). On the other hand, the new component might change the layout of the Rich Text object in the existing label templates. The developers of the external component add enhancements in the layout calculation engine that influence the overall RTF result.

We have detected changes in printing the table objects included in the Rich Text object. The common use of tables is printing nutritional facts on the labels. The width of columns in the table might differ in the new version of the Desktop Designer compared with the previous release. The Desktop Designer will show the label template in WYSIWYG mode so you can quickly detect discrepancies.



WARNING

After the upgrade, you must verify your existing label templates for compliance. If the table object prints with changed column widths, please open the affected label template for editing and adjust the settings (decrease the width of the table object inside Rich Text or enlarge the width of the Rich Text object).

3.2. Soft hyphenation for Rich Text Box

The hyphen is a punctuation mark used to join words and to separate syllables of a single word. The use of hyphens is called hyphenation. Hyphenation is often a mandatory functionality on "busy" labels, where a lot of text must be printed in a confined area on the label template. When you don't break words by syllables, you end up with much white space in lines, expanding text over more lines than using hyphenation.

For example, chemical labels have hazardous and precautionary statements provided in several languages. You have a predefined amount of label real estate reserved for these multilingual statements, and you must fit all text content into that area.



FIN6200, KDE-PV, PD, Charge

DE: Gefahr P301 + P304 + P317 BEI VERSCHLUCKEN ODER INHALIEREN: Holen Sie sich medizinische Hilfe. P301 + P316 + P330 BEI VERSCHLUCKEN: Suchen Sie unverzüglich einen Notarzt auf. Mund ausspülen. P301 + P316 BEI VERSCHLUCKEN: Suchen Sie unverzüglich einen Notarzt auf. P301 + P317 + P330 BEI VERSCHLUCKEN: Holen Sie sich medizinische Hilfe. Mund ausspülen. P302 + P316 BEI BERÜHRUNG MIT DER HAUT: Suchen Sie unverzüglich einen Notarzt auf. P302 + P317 BEI BERÜHRUNG MIT DER HAUT: Holen Sie sich medizinische Hilfe. P302 + P334 BEI BERÜHRUNG MIT DER HAUT: In kaltes Wassertauchen oder nassen Verband anlegen.

EN: Danger P301 + P304 + P317 IF SWALLOWED OR IF INHALED: Get medical help. P301 + P316 + P330 IF SWALLOWED: Get emergency medical help immediately. Rinse mouth. P301 + P316 IF SWALLOWED: Get emergency medical help immediately. P301 + P317 + P330 IF SWALLOWED: Get medical help. Rinse mouth. P302 + P316 IF ON SKIN: Get emergency medical help immediately. P302 + P317 IF ON SKIN: Get medical help. P302 + P334 IF ON SKIN: Immerse in cool water or wrap in wet bandages.

SL: Nevarno P301 + P304 + P317 PRI ZAUŽITJU ALI VDIHAVANJU: Poiskati zdravniško pomoč. P301 + P316 + P330 PRI ZAUŽITJU: Takoj poiskati nujno zdravniško pomoč. Izprati usta. P301 + P316 PRI ZAUŽITJU: Takoj poiskati nujno zdravniško pomoč. P301 + P317 + P330 PRI ZAUŽITJU: Poiskati zdravniško pomoč. Izprati usta. P302 + P316 PRI STIKU S KOŽO: Takoj poiskati nujno zdravniško pomoč. P302 + P317 PRI STIKU S KOŽO: Poiskati zdravniško pomoč. P302 + P334 PRI STIKU S KOŽO: Potopiti v hladno vodo ali zaviti v mokre poje.

UN0018

Ammunition, tear-producing

Art: **FG6200**



Batch No: **0000011554**



GROSS **7.400 KG**



Manufacture Date: 2023.04.28
Expiration Date: 2024.03.22

Made in GERMANY

ACME CORPORATION
Hasso-Plattner-Ring 9
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The Rich Text Box object supports the soft hyphenation. In this case, you can include metadata with positions of soft hyphens in the input data. Soft hyphens specify the syllables in the words where NiceLabel can break works apart. The default syntax for a soft hyphen is a sequence of characters “\-”, but you can change it to your requirements.

In most cases, you provide soft hyphens with the input data, but you can also manually type in soft hyphens in the Rich Text Box editor with Ctrl + “-” keyboard shortcut.

For example, the soft-hyphenated data for the English text in the screenshot would be provided as:

```
P301 + P304 + P317 IF SWAL\ -LOWED OR IF IN\ -HA\ -LED: Get me\ -di\ -cal help. P301 + P316 + P330 IF SWAL\ -LOWED: Get e\ -mer\ -gen\ -cy med\ -ic\ -al help im\ -me\ -di\ -ate\ -ly. Rinse mouth. P301 + P316 IF SWAL\ -LOWED: Get e\ -mer\ -gen\ -cy med\ -ic\ -al help im\ -me\ -di\ -ate\ -ly. P301 + P317 + P330 IF SWAL\ -LOWED: Get me\ -di\ -cal help. Rinse mouth. P302 + P316 IF ON SKIN: Get e\ -mer\ -gen\ -cy med\ -ic\ -al help im\ -me\ -di\ -ate\ -ly. P302 + P317 IF ON SKIN: Get me\ -di\ -cal help. P302 + P334 IF ON SKIN: Im\ -merse in cool wa\ -ter or wrap in wet band\ -ages.
```

3.3. Text formatted in columns in the Rich Text Box object

The Rich Text Box object can split the content into columns. The data will flow from one column to the next. The **Text Fit** option will make sure your data optimally fits into the columns by adjusting the font size. The columns are only visible inside the Rich Text Box editor when the view is set to **Print Layout** view. The columns are always visible in the label design area.

Use the columns feature with labels where a lot of text content must be provided to the consumer, typically for hazardous material. The columns better use the available area for text content and make text more readable.

	<h2>FIN6200, KDE-PV, PD, Charge</h2>		<h1>UN0018</h1> <p>Ammunition, tear-producing</p>
	<p>DE: Gefahr P301 + P304 + P317 BEI VERSCHLUCKEN ODER INHALIEREN: Holen Sie sich medizinische Hilfe. P301 + P316 + P330 BEI VERSCHLUCKEN: Suchen Sie unverzüglich einen Notarzt auf. Mund ausspülen. P301 + P316 BEI VERSCHLUCKEN: Suchen Sie unverzüglich einen Notarzt auf. P301 + P317 + P330 BEI VERSCHLUCKEN: Holen Sie sich medizinische Hilfe. Mund ausspülen. P302 + P316 BEI BERÜHRUNG MIT DER HAUT: Suchen Sie unverzüglich einen Notarzt auf. P302 + P317 BEI BERÜHRUNG MIT DER HAUT: Holen Sie sich medizinische Hilfe. P302 + P334 BEI BERÜHRUNG MIT DER HAUT: In kaltes Wasser tauchen oder nassen Verband anlegen.</p> <p>EN: Danger P301 + P304 + P317 IF SWALLOWED OR IF INHALED: Get medical help. P301 + P316 + P330 IF SWALLOWED: Get emer-</p>	<p>SWALLOWED: Get emergency medical help immediately. P301 + P317 + P330 IF SWALLOWED: Get medical help. Rinse mouth. P302 + P316 IF ON SKIN: Get emergency medical help immediately. P302 + P317 IF ON SKIN: Get medical help. P302 + P334 IF ON SKIN: Immerse in cool water or wrap in wet bandages.</p> <p>SL: Nevarno P301 + P304 + P317 PRI ZAUŽITJU ALI VDIHAVANJU: Poiskati zdravniško pomoč. P301 + P316 + P330 PRI ZAUŽITJU: Takoj poiskati nujno zdravniško pomoč. Izprati usta. P301 + P316 PRI ZAUŽITJU: Takoj poiskati nujno zdravniško pomoč. P301 + P317 + P330 PRI ZAUŽITJU: Poiskati zdravniško pomoč. Izprati usta. P302 + P316 PRI STIKU S KOŽO: Takoj poiskati nujno zdravniško pomoč. P302 + P317 PRI STIKU S KOŽO: Poiskati zdravniško pomoč. P302 + P334 PRI STIKU S KOŽO:</p>	<p>Art: FG6200</p>  <p>Batch No: 0000011554</p>  <p>GROSS 7.400 KG</p>  <p>Manufacture Date: 2023.04.28 Expiration Date: 2024.03.22 Made in GERMANY</p> <p>ACME CORPORATION Hasso-Plattner-Ring 9 69190 Walldorf GERMANY +49 6227 747474</p>



NOTE

This functionality is not supported with Rich Text Box objects that use the alternative rendering option.

3.4. Rectangular Micro QR Code (rMQR)

Rectangular Micro QR Code extends Micro QR Code with a new fixed set of rectangular symbol sizes. Use rMQR Codes in narrow spaces where conventional QR Codes can't be printed, and you want to store more information than with Micro QR codes.



Like with QR Code, rMQR Code employs Reed-Solomon error control coding to detect and correct errors if the rMQR barcode is dirty or damaged. rMQR Code uses variable error correction levels and can handle all types of data. rMQR Code is capable of storing up to 361 numeric characters and 219 alpha-numeric.



NOTE

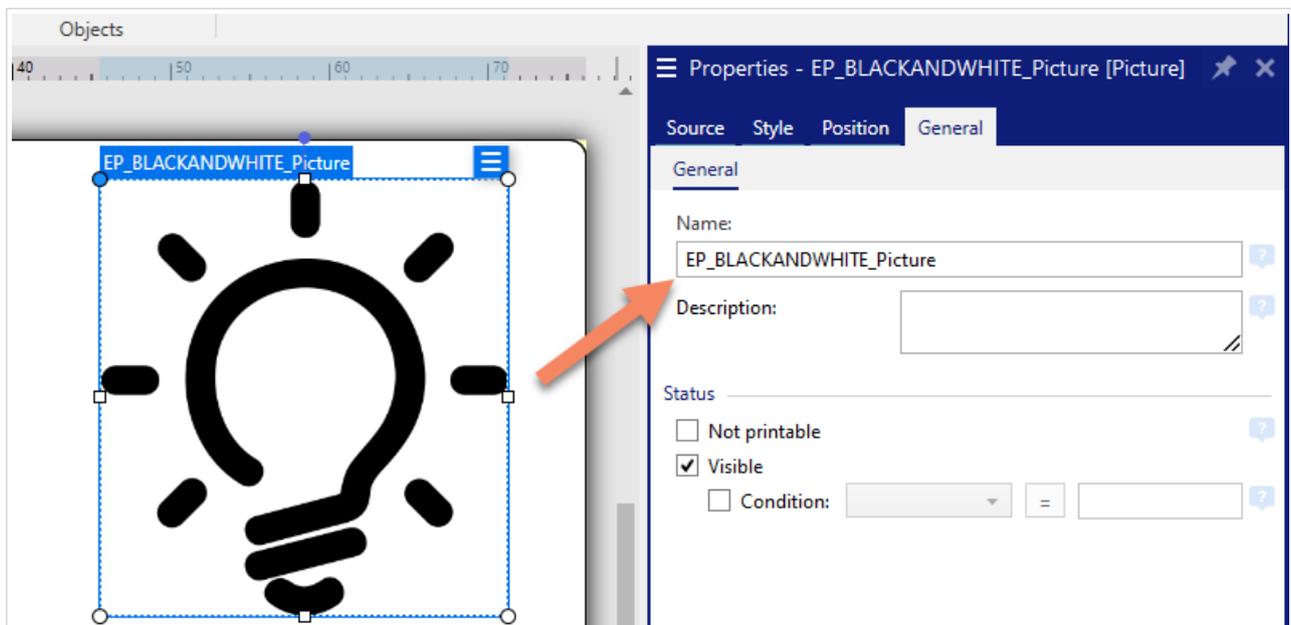
The code has ISO certification through ISO/IEC DIS 23941.

3.5. Grayscale images can be printed as monochrome images

By default, NiceLabel prints grayscale images differently than monochromatic ones. Monochrome images provide color depth with 1 bit per pixel, while grayscale images provide 8 bits per pixel. Monochromatic images are printed as black and white images. Grayscale images are dithered – NiceLabel converts different shades of gray to monochromatic dots of various sizes and densities, keeping the impression of shades but printing the image as monochrome.

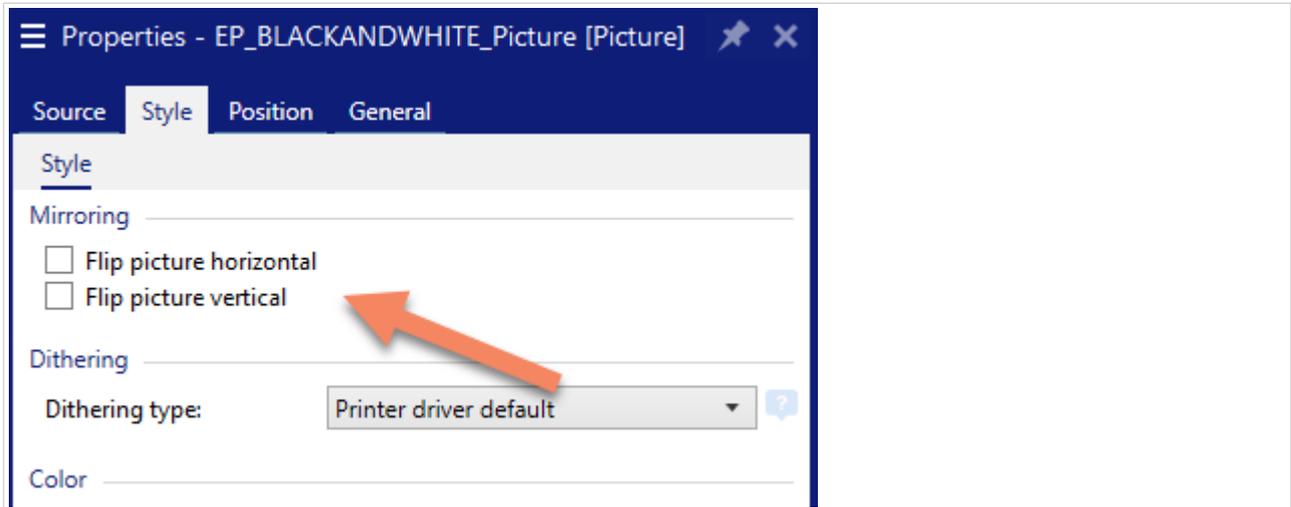
When building dynamic label templates, your Picture objects on your labels might contain images of various types during the print process. You can force the received images to monochromatic printing. Use this option when printing to a monochromatic printer, such as label printers with on-color ribbon.

You can enable this functionality by adding the **EP_BLACKANDWHITE_** prefix to the Picture object name or enabling the **Force picture color** option.



3.6. Pictures can be mirrored

You can mirror Picture objects in the label templates horizontally and vertically. The new option is available in the **Style** tab of the object properties.



3.7. A default processing order for labels across is set based on the paper orientation

The processing order refers to the sequence in which the labels are processed for a label media, where multiple labels are defined in horizontal or vertical directions. Imagine a page of labels (A4 / Letter page format), where label templates are positioned in rows and columns.

A default processing order is set based on the paper orientation:

- For portrait orientation, the default processing order is “Horizontally – start at the top left.”
- For landscape orientation, the default processing order is “Vertically – start at top left.”

3.8. Multicolor print gap adjustment

Multicolor print gap adjustment is a functionality that prevents white gaps between objects of different colors in the label template. You can set up print gap adjustment for each color – this is the amount of bleed edge, the extra print size that extends beyond the dimensions of the label object.

The new functionality is available in the **Printer** tab in the **Label Properties** dialog box only for Lighthouse MAX printers.

3.9. A corner radius is available for the Inverse object

You can define a custom corner radius for the Inverse object, effectively reshaping the object into an ellipse or circle. Your printer must support this functionality.

3.10. Updated support for GS1-128 standard

The GS1 published the new version (V24.0), the GS1 General Specifications. Software Desktop Designer supports the following updates and changes:

- Digital Signatures (DigSig)- (ISO/IEC 20248 Data Structures) AI(8030)
- AIDC media type AI(7241)
- Version Control Number (VCN) AI(7242)
- Maximum temperature in Fahrenheit AI(4330)
- Maximum temperature in Celsius AI(4331)
- Minimum temperature in Fahrenheit AI(4332)
- Minimum temperature in Celsius AI(4333)
- Updates for the name of the United Nations Economic Commission for Europe abbreviation to UNECE AI(7002)

4. Integrations

4.1. Integration with Oracle E-Business Suite applications

The Software Oracle Agent provides a common engine for supported Software labeling solutions to integrate with Oracle E-Business Suite (EBS) applications to receive and process label print requests. The Software Oracle Agent is installed on an Oracle database server and connects to an Oracle integration in a Software labeling solution.

This Oracle integration extends the functionality of Oracle applications, enabling them to connect with a Software labeling solution. Print requests initiated by users in Oracle applications are processed and printed by the Software labeling solution, which reports the status of each request to the originating application.



TIP

The users can print labels and other documents from the Oracle Warehouse Management System (WMS), part of the Oracle E-Business Suite (EBS).

4.2. Configurable LPS Trigger port number

NiceLabel Automation no longer binds the LPS Trigger port number to **2723** but lets you select the arbitrary port number similar to what is available in the raw TCP/IP trigger.

The screenshot shows a configuration window for 'LPS'. On the left, there is a sidebar with 'Settings' selected, containing sub-items: General, Execution, Other, and Security. The main area is divided into 'General' and 'Communication' sections. In the 'Communication' section, the 'Port' field is set to '2723' and is highlighted by an orange arrow.

Benefits of migrating from LPS to NiceLabel:

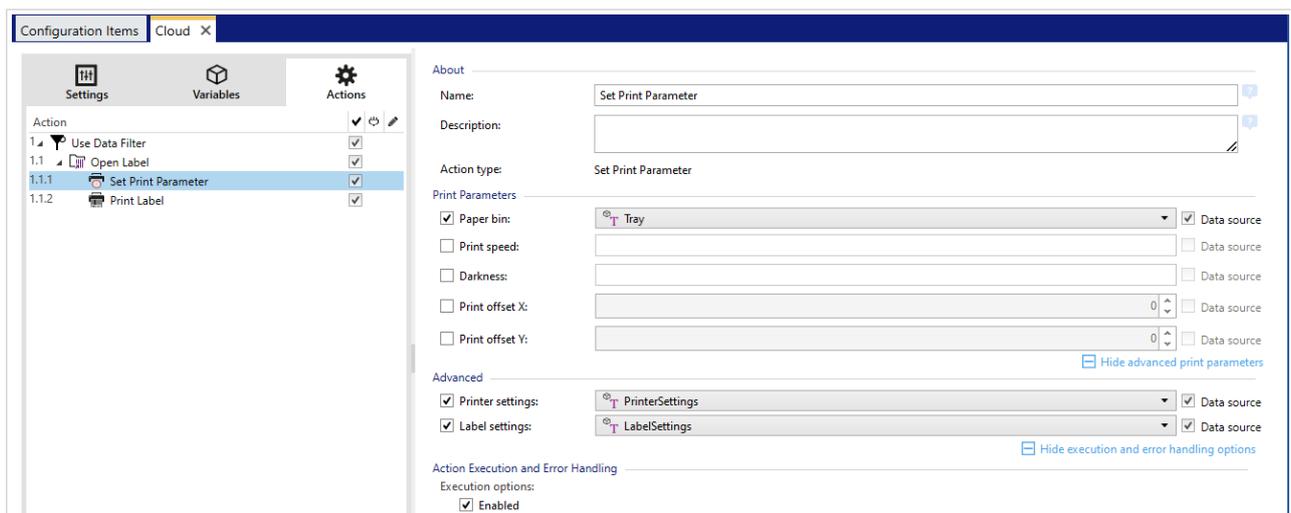
- Configurable LPS Trigger port number allows you to run the LPS and NiceLabel software on the same computer. Software LPS software will run the trigger on the original port number, while NiceLabel Automation will run it on a different port number.

- You can run multiple instances of the LPS trigger on the same computer. Each trigger binds to a different port number. Your data-providing business application must be updated to send data to the appropriate port number.

4.3. Automation ignores empty values in the "Set Print Parameter" action

The parameters for the **Set Print Parameter** action are commonly provided dynamically through the data sources. When the values of the data sources provide no value (are empty), the **Set Print Parameter** action will ignore this data source without any error.

This functionality is useful for cases where several parameters in the action Set Print Parameter get values from data sources. If no data is provided for any parameters, there must be no error in the action execution. The empty data values are silently ignored as if they would not be provided. This is often a case where the user simultaneously provides custom values for multiple parameters, such as tray name, label settings, and printer settings.



5. Printer drivers

Shared changes:

- Rebranded all drivers to the Loftware brand.
- Stabilized driver's communication component.
- Driver core stabilization by improving memory and heap allocations.
- Redesigned the self-extracting driver package users download from the web page.

New Loftware printer drivers:

- Anser
- Cajo
- FlexPackPro

ALFAService, AMACO:

- Added support for printing multiple documents when using third-party software.

CAB:

- Download TTF in 8.3 format.
- Fixed write error when deleting downloaded font.

Domino:

- Set the default status checking option to ignore printer status during printing.
- Status check type "Ignored during print" now ignores printer errors.
- The minimum and maximum range for repeat pitch and print width have been expanded.
- "Update each print option" has been added for Ax printer models.
- "Ignored during print" is the default status check type.
- Driver setting "Delete failed print jobs from Windows print queue" is enabled by default.
- By default, the driver will use the printer settings instead of those in the driver.
- Status check type "Only before print" is implemented for Domino printers.

Markem-Imaje:

- Fixed issue with job file settings format in case of using the latest firmware.
- The maximum print width on the 5940G model is extended to 3000 mm.

- Added 9222, 9232, 9232E, and 9232S models to the driver distribution.
- Added 9020, 9029, 9030, 9040, 9040 (Dual Head), 9042 and 9042 (Dual Head) printer models to the driver distribution.
- Updated enhanced status report on 5940G printer in case of empty ink.
- Enabled printing of the internal barcode in 90 and 270 degree rotation on 5600, 5800, 5940G.

Markoprint:

- Added Integra PP RAZR printer model.
- The group height setting is now correctly saved in the driver settings.
- Group offset is supported.

ReaJet:

- Added option for bidirectional printing for DoD, SC, ST and GK models.
- Added two options on GUI for bidirectional printing on HR printers.
- Added support for new head type 70 on GK model.

SATO:

- Added PW4NX and FX3-LX DT305-Ad models.
- Fixed SLIX2 RFID tag properties to encode correctly when using page protection options.

TEC/Toshiba:

- BV400T GS and BV400T TS added to driver distribution.
- Fixed cutting in case of cut at the end of batch and printing multiple pages in one job.
- Fixed syntax error when using TOPIX compression.
- Fixed printing in case of continuous media type.
- The continuous media type is now working correctly.

TSC:

- New printer models supported: PEX-2240L, PEX-2240R, PEX-2340L, PEX-2340R, PEX-2640L, PEX-2640R, PEX-2260L, PEX-2260R, PEX-2360L and PEX-2360R.
- Added support for RFID on PEX printers.

UBS:

- Added support for Aplink MRX72 Bicolor printer.
- Driver can now sequentially print multiple pages instead of just one.

- Correct alignment is set when printing text elements.