



PRINT MODULE 2019.00.00 Release Notes

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System Requirements

This product has been tested on the following Windows® operating systems:

- Windows®10 x86/x64
- Windows®8.1 x86/x64
- Windows®8 x86/x64
- Windows®7 x86/x64 SP1
- Windows® Server 2019
- Windows® Server 2016
- Windows® Server 2012 R2
- Windows® Server 2012
- Windows® Server 2008 R2 SP1

Operating systems tested were up-to-date at the time of product release.

Installation requires Administrator's privileges.

Before updating/upgrading a PRINT MODULE license you must quit the notification icon and stop the service.

Warning:

The System must not be configured with automatic update of Windows printer drivers, as this entails the restart of the Windows spooler service. During that time, print jobs cannot be processed by the sentinels and an error is logged.

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New Features & Enhancements

Version 2019

- Show PRINT MODULE tray icon right after launch.
- Extend @LAB_VARS control variable output. Add OutputMask, Prefix and Suffix properties.

Version 2018.01.01

- File Capture plugin optimization for common folder.
- "Label Printing Module" menu item of the Sentinel launcher is now always available, whatever the login that has been used to open the session.

Version 2018.01.00

- Implemented an ability to set the priority for each sentinel:
 - 0 - Real Time:** Sentinel Service will process data in the separate thread and won't be blocked by other sentinels
 - 1 - High:** Sentinel Service will process high priority sentinels at first.
 - 2 - Medium:** Sentinel Service will process medium priority sentinels after high priority sentinels
 - 3 - Low:** Sentinel Service will process low priority sentinels after medium priority sentinels
- **<OwnPrintEngine>** tag was removed. After upgrade to PRINT MODULE 2018.00.00 in case of enabled the Real Time processing priority will be set.
- Added **<NonStopDelay>** option for File Capture plugin. Option can be defined in TlxInput.xml configuration file, this setting is specific for each sentinel. When NonStop processing mode activated the sentinel will wait for a time defined in **<NonStopDelay>**(milliseconds) before next processing. The minimum(default) value: 0, the feature is disabled. The maximum value: 14400000 (4 hours).
- Added the ability to define specific default labels folder for each sentinel in Sentinel Manager.
- The **<jobErrors>** option is implemented in the Sentinel Manager. It is possible for the users to enable this option and specify the location of job errors log file.
- Implemented ability to select the tray (paper source) for the printer. Control variable **@PRINTER_TRAY** is implemented. The value must be real tray name (e.g. "Cassette 1", "Manual Feed", "Auto"). This way the custom tray can be specified in the job. The **@PRINTER_TRAY** control variable is ignored if the printer is set in @PRINTER_NAME by alias where tray is specified. The **'Tray...'** button is added to CODESOFT Printing Plug-in, Printers tab (right below 'Rename' button). It will call dialog where the user is able to see the list of trays and set aliases. The **'Tray...'** button is enabled if the selected printer has trays. More than one alias can be set and alias has to be unique.
- Added deactivation count for the license to the About dialog.
- Added **@PAGE_ORIENTATION** control variable that defines portrait or landscape page orientation.
 - 1 - Portrait
 - 0 - Landscape

- "Label Printing Module" menu item from the Sentinel Launcher is disabled if the current session (user name) is different from the one set for the Label Print Manager service.
- Label Printing Module now shows the data sources and the objects.
- Added Spanish localization
- Updated UI style for the Sentinel Manager
- **@LABEL_ROTATION** control variable allows to set the rotation for the label at the time of print. Available values: 0, 90, 180, or 270 degrees. In case of incorrect value, the rotation would be taken from the settings.

Version 2016.00.00

- CODESOFT Printing plugin timeout settings:
<OperationTimeout> setting sets timeout(in minutes) for all operations with Codesoft via ActiveX except printing. The default value is 1.
<PrintingTimeout> setting sets timeout(in minutes) for printing. The default value is 240.
 Sentinel will check the print engine state each minute, once the timeout is exceeded then Sentinel will shut down the print engine if it is not responding.
 If the print engine stopped responding before printing started then sentinel will try to print the job with a new print engine, otherwise the job will be marked as error.
 The number of tries can be defined by the **<RetryPrint>** setting (default value is 1 retry).
 These settings can be defined in **TkxCS.xml <General>** section. They are global settings for all sentinels.
- Extend @LAB_VARS control variable. Add 'DisplayInForm' value to variables' description in the output file.

Version 2015.01.00

- The Load the printer saved in the label and Load the printer settings saved in the label options are unchecked by default now.
- The **Open merge database** option is now available in Sentinel Manager UI.
- A new control variable **@START_LABEL** allows to specify the index number of the label to start printing from.
- **<OwnPrintEngine>** setting: if the option is enabled the sentinel will use its own dedicated instance of the print engine for printing. This setting can be defined in TkxCS.xml for any sentinel separately. Note that this will create an additional instance of the print engine.

Version 2015.00.00

- PRINT MODULE has been ported to Windows 10
- **<RetryPrint>** setting: In case of failed label print, CS Printing plugin will wait 500ms then try to print again. Number of retries is set by RetryPrint value, which is a global setting for all sentinels. Default is 1.
- "Sentinel Controller" functionality moved to "Sentinel Manager".
- New setting option for File capture plugin: **<joblistupdatelimit>** . This value sets the threshold below which PRINT MODULE refreshes the list of pending jobs. This setting has no effect for sentinels that don't

have a lot of pending jobs.

- Now the user can activate/deactivate the tracing without having to stop/restart Label Print Service

Version 2014.00.00

- The software has been made compatible with Windows 2012 R2 and Windows 8.1

Version 2012.00.02

PRINT MODULE is a **label printing automation** solution.

It allows you to automatically print labels designed with CODESOFT, based on the information provided in a flat file that is dropped into a directory monitored by the application.

PRINT MODULE runs as a Windows service, and offers the following features:

- Can pilot up to 6 printers simultaneously.
- As a multi-task application, it allows you to manage two distinct print processes.
- Supports 2 types of structured data entry in text format: Command File and S2.
- Prints labels designed with CODESOFT.
- Virtual environment not supported.

Notes on the product license:

- PRINT MODULE is delivered by default with 3 printers.
- 3 additional printers can be added with a 3-printer addon part. Single printer addons are not available individually.
- PRINT MODULE can pilot up to 6 printers maximum.
- PRINT MODULE allows for a TRIAL period of 30 days without limitation. 3 printers can be used at that time.
When the trial period is over, all the sentinels will stop running.
- Without a valid license it is not possible to start the sentinels.
- 45 days before a license expires – at the end of a trial period or end of a subscription period - the sentinels will start issuing :

- 1) a simple log and report entry every hour, that can be activated or not in the report plug-ins, using the option: “Detailed events”
- 2) a new entry every hour, within the Windows Event System, that can be used to monitor License expiry warnings.
The event is registered in the Event Log named: “Label Printing Service”.
The following errors/warnings can be tracked:

EventID	Type	Meaning
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1	Error	No Valid License found
2	Error	An error has been found when reading the License (see message to get more information)
3	Warning	The internet connection for checking the online License seems to be broken.
4	Warning	The License is going to expire soon.

3) a special "License expiry" report every day. This special "License expiry" report is always active in the File Report plug-in. It can be activated in the E-Mail Report plug-in by configuring the email recipient address. The frequency of this report increases as the term approaches (12 hours from 10 days left, 6 hours from 5 days left, 3 hours from 2 days left).

- Likewise, when a running PRINT MODULE using an Online license fails to connect to Internet to verify the license during more than 24 hours, a 5-day countdown starts during which special "License expiry" reports are generated. If the Internet connection is still not fixed at the end of this 5-day period, the sentinels stop running.

Note: this situation can be tracked using the email plug-in and/or by monitoring the records that are created within the Windows event system as mentioned above.

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Fixed Defects

Ticket ID/ Defect ID	Description
Version 2019.00.00	

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Known Limitations / Remarks

- Several instances of the manager can run at the same time (to allow monitoring of several sentinels / visual comparison of settings). Tip: since each manager has a small impact on overall performance, it is better to close any unused manager, or even better close the user session when possible.
- Software Key Protection does not support Proxy with authentication. A license that requires internet connection (Online/Platinum) will not be compatible in such case.
- SDP printers can be added from the PRINT MODULE interface as normal, however they can only be removed from the Codesoft interface (by launching the Label Printing Module).
- After this product is installed, it is not recommended to install a previous version. The installation of two different versions of the same product can lead to instability and incorrect behavior

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Compatibility with other TEKLYNX Software

PRINT MODULE 2019.00 is compatible and fully tested to work with the following TEKLYNX software packages:

- CODESOFT 2019.00

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