PRINT MODULE 2022 Release Notes

Version 2022.00.03

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System Requirements

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

- Windows®11 x64 Version 22H2 (22621.819)

- Windows®10 x86/x64 Version 22H2 (Build 19045.2251)

- Windows®8.1 x86/x64 Version 6.3 (Build 9600)

- Windows® Server 2022 Version 21H2 (Build 20348.1194)

- Windows® Server 2019 Version 1809 (Build 17763.2989)

- Windows® Server 2016 Version 1607 (Build 14393.2273)

- Windows® Server 2012 R2 Version 6.3 (Build 9600)

- Windows® Server 2012 Version 6.2 (Build 9200)

- Windows Server Core 2022 Version 21H2 (Build 20348.1194)

- Windows Server Core 2019 Version 1809 (Build 17763.2989)

- Windows Server Core 2016 Version 1607 (Build 14393.2273)

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

Installation requires **Administrator** privileges.

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

Warning:

The System must <u>not</u> 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.

PRINT MODULE 2022 New Features, Improvements and Fixes

PRINT MODULE 2022.00.03

New Features and Improvements	Version
Compatibility with CODESOFT 2022.00.03	2022.00.03

PRINT MODULE 2022.00.00

New Features and Improvements	Version
NEW **Windows 11 Support** – PRINT MODULE 2022 can be run on the Windows 11 and Windows 2022 Server operating systems	2022.00.00
About dialog - To extend About dialog functionality with few links	2022.00.00
Printer dialog box - Printer search improvement includes family name in search pattern	2022.00.00
Printing - Change Print Engines Pool to solve several issues and increase stability	2022.00.00

Defect ID	Fixes	Version
66027	CODESOFT Printing: Blank PDF is generated with ListField object in the label	2022.00.00
67002-66968	PRINT MODULE Retry print does not send variable values	2022.00.00
67428	Connection loss error occur if print on TCPreview printer when label is already closed by timer	2022.00.00
70123-70120	No message when PRINT MODULE does not start if spooler is down	2022.00.00
70294	Kallik solution does not work with ' in O'Niel printers	2022.00.00

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PRINT MODULE 2021 New Features, Improvements and Fixes

PRINT MODULE 2021.00.01

New Features and Improvements	Version
Operating System - Updated Operating System controls	2021.00.01

PRINT MODULE 2021.00

New Features and Improvements	Version
NEW **Windows Server Core Support** – PRINT MODULE 2021 can be run on Windows Server Core 2016 and Windows Server Core 2019 operating systems	2021.00.00
Using Google authentication for Email plugin - To accept working with the new security policy of Google accounts	2021.00.00
No longer supported - Discontinued support for Windows Server 2008 R2 and Windows 7	2021.00.00

Defect ID	Fixes	Version
54268	Job is failed during processing in case of Print Engine failure	2021.00.00
54475-54466	PRINT MODULE emailing report only works with unknown user login	2021.00.00
55275	Sentinel hangs processing when a lot of zero files are located in the captured folder	2021.00.00
56849-56847	PRINT MODULE does not update Shared counters in the preview	2021.00.00

PRINT MODULE 2019 New Features, Improvements and Fixes

PRINT MODULE 2019.02

New Features and Improvements	Version
NEW **New @DELETE_SPOOL_JOBS control variable** - When this control variable is set in the block, this would entail the sentinel to delete all the jobs in the spool of the printer on which the label must be printed. The goal is to be able to manage infinite print jobs made through a spool.	2019.02.00
Open merge database improvement – The OpenMergeDatabase option has been moved from General to the Specific node (for each sentinel)	2019.02.00
Printing process – Improvement of the printing process to be more faster	2019.02.00
User interface - 'Email report' plugin User interface has been redesigned	2019.02.00

Defect ID	Fixes	Version
52344	File Capture: Sentinels hang in waiting mode when lot of sentinels capture common folder with 'Check at fixed time interval" watch method	2019.02.00
51451-51447	Driver settings was displayed in Italian while PRINT MODULE was in Spanish	2019.02.00
50849-50819	Sentinel with database connected label didn't update fields	2019.02.00
50068- 50065	SENTINEL Manager didn't start up when strong file name was corrupted	2019.02.00
46707-46703	Some database field names or aliases were not accepted by PRINT MODULE	2019.02.00

PRINT MODULE 2019.01

New Features and Improvements	Version
Printer drivers - New protection system for Markoprint printers	2019.01.00

PRINT MODULE 2019.00

New Features and Improvements	Version
NEW **Launch -** Show PRINT MODULE tray icon right after launch	2019.00.00
@LAB_VARS control variable - Extend @LAB_VARS control variable output. Add OutputMask, Prefix and Suffix properties	2019.00.00

Defect ID	Fixes	Version
42550	French Translation issue	2019.00.00
44042	MAIL FROM information is not available with Sentinel mail alert system	2019.00.00
44061	Batch printing not possible when @LABEL_NAME is not set with relative path	2019.00.00
45523	Log file settings not kept with Sentinel label Print module	2019.00.00
47995	CODESOFT Printing: Printers list is loaded several minutes when more than 1000 printers were added	2019.00.00

PRINT MODULE 2018 New Features, Improvements and Fixes

PRINT MODULE 2018.01.01s

New Features and Improvements	Version
NEW **USB Protection** - Compatibility with SD dongles	2018.01.01s (aka 2018.02)

PRINT MODULE 2018.01.01

New Features and Improvements	Version
File Capture plugin - File Capture plugin optimization for common folder	2018.01.01
Label Printing Module - "Label Printing Module" menu item of the PRINT MODULE launcher is now always available, whatever the login that has been used to open the session	2018.01.01

Defect ID	Fixes	Version
42412	Sentinel 's label print module not accessible	2018.01.01
42411	Sentinel file input filter issue on filter with extension	2018.01.01
43869	File Capture: Invalid files processed by sentinel that used question mark in the filter	2018.01.01

PRINT MODULE 2018.00.00

New Features and Improvements	Version
NEW **Sentinel option** - 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	2018.00.00

NEW **File Capture plugin option** - Added **<NonStopDelay>** option for File Capture plugin. Option can be defined in TkxInput.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).	2018.00.00
NEW **SENTINEL Manager option** - Added the ability to define specific default labels folder for each sentinel in SENTINEL Manager.	2018.00.00
NEW **SENTINEL Manager option** - 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	2018.00.00
NEW **Tray selection** - 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.	2018.00.00
NEW **About box** - Added deactivation count for the license to the About dialog	2018.00.00
NEW **Page orientation** - Added **@PAGE_ORIENTATION** control variable that defines portrait or landscape page orientation. 1 - Portrait 0 - Landscape	2018.00.00
NEW **User Interface language** - Added Spanish localization	2018.00.00
NEW **Label rotation - @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	2018.00.00
<OwnPrintEngine> tag - <OwnPrintEngine> tag was removed. After upgrade to PRINT MODULE 2018.00.00 in case of enabled the Real Time processing priority will be set	2018.00.00
PRINT MODULE Launcher - "Label Printing Module" menu item from the PRINT MODULE Launcher is disabled if the current session (user name) is different from the one set for the Label Print Manager service	2018.00.00
Label Printing Module - Label Printing Module now shows the data sources and the objects	2018.00.00
User interface - Updated UI style for the Sentinel Manager	2018.00.00

Defect ID	Fixes	Version
TKX-98276-L7Z2 (30090)	@PRINT_IMAGE does not work as in version 10	2018.00.00
TKX-99184-M4Z9 (30093)	Sentinel stops monitoring shared AS/400 directory	2018.00.00
34103	CODESOFT Printing plug-in: Incorrect FormFeed is invoked with Adobe PDF	2018.00.00
32432	CODESOFT Printing plug-in: TCP/IP printers isn't displayed in the printer's list when Print Spooler service is stopped	2018.00.00
TKX-105964-C8J6 (32463)	Sentinel hangs in parsing or waiting state	2018.00.00
TKX-106076-V0G5 (32590)	Randomly, customer get error on job during processing	2018.00.00
35534	Sentinels do not start automatically after Windows reboot	2018.00.00
36795	Relative path for map files not accepted anymore in sentinel configuration	2018.00.00

PRINT MODULE 2016 New Features, Improvements and Fixes

PRINT MODULE 2016.00.00

New Features and Improvements	Version
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.	2016.00.00
Extend @LAB_VARS control variable - Add 'DisplayInForm' value to variables' description in the output file	2016.00.00

Defect ID	Fixes	Version
33198	Miner conversion "from UTF-8" fails on Arab characters	2016.00.00
33200	Private Bytes counter is increased for TkxKernel.exe with remote workfiles usage and unstable network connection	2016.00.00
33201	CODESOFT Printing: Printers font is changed to graphic in case of unsuccessful label opening in the previous job	2016.00.00
33202	PRINT MODULE Launcher: Unexpected message is occurred after PC restart if Label Print Manager has Automatic Startup type	2016.00.00
33193	CODESOFT Printing plug-in: Close label is asynchronous if a VBS event is implemented with Lppa print engine	2016.00.00
33351	Sentinel.xml tag: It is impossible to write .log files to a custom folder	2016.00.00

PRINT MODULE 2015 New Features, Improvements and Fixes

PRINT MODULE 2015.01.01s

New Features and Improvements	Version
NEW **USB Protection** - Compatibility with SD dongles	2015.01.01s (aka 2015.02)

PRINT MODULE 2015.01.00

New Features and Improvements	Version
NEW **Open merge database option** - The Open merge database option is now available in SENTINEL Manager UI	2015.01.00
NEW **Control variable** - A new control variable **@START_LABEL** allows to specify the index number of the label to start printing from on the first page	2015.01.00
Printer settings - The Load the printer saved in the label and Load the printer settings saved in the label options are unchecked by default now	2015.01.00
<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.	2015.01.00

Defect ID	Fixes	Version
TKX-89400-C4Q9 (25058)	@label_name issue in S/2 map type	2015.01.00
TKX-84834-L3N4 (25059)	Duplicate variables in S2 map type generate data assignment errors	2015.01.00
TKX-89400-C4Q9 (25034)	Mapping, Assignments and tables: 'End of process' field with 'None' value is processed in different way	2015.01.00
TKX-94566-Z7P0 (25546)	Event Scripts not executed with version 2015	2015.01.00
TKX-94818-W5R5 (25574)	Not possible to select printers with "enable printer pooling"	2015.01.00
TKX-94628-L1Y0 (25544)	@LABEL_QUANTITY is set correctly when printing via PRINT MODULE	2015.01.00

PRINT MODULE 2015.00.00

New Features and Improvements	Version
NEW **Windows 10 support –** PRINT MODULE has been ported to Windows 10	2015.00.00
NEW **File capture plugin option** - 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.	2015.00.00
<RetryPrint> setting: In case of failed label print, CODESOFT 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.	2015.00.00
"Sentinel Controller" functionality moved to "Sentinel Manager"	2015.00.00
Now the user can activate/deactivate the tracing without having to stop/restart Label Print Service	2015.00.00

Defect ID	Fixes	Version
18676	SF12586 Modify w/o confirmation is possible under User/Guest accounts in Win2008	2015.00.00
18681	SF12871 Sentinel Manager cannot quit on logoff with some plug-ins settings opened	2015.00.00
20048	Input plug-in hangs when scanning a folder with several thousands files.	2015.00.00
21498	PRINT MODULE service cannot be started after Repair if application was installed to non-default directory	2015.00.00

PRINT MODULE 2014 New Features, Improvements and Fixes

PRINT MODULE 2014.00.00

New Features and Improvements	Version
NEW **Windows Server 2012** and **Windows 8** support – PRINT MODULE has been ported to **Windows Server 2012** and **Windows 8**	2014.00.00
About box - The about dialog box has been changed in order to display the same Licensing information that is used in the context of the PRINT MODULE service, if it is running. In such case the information is displayed in blue. If the service is not running, the Licensing information read by the starter module is displayed in black.	2014.00.00

Defect ID	Fixes	Version
TKX-53940-Q2Y2 (20980)	Sentinel service crashes on sending email if sender is not properly defined.	2014.00.00
TKX-51341-F8Y6 (20805)	Validation box for email is not correct	2014.00.00

PRINT MODULE 2012 New Features, Improvements and Fixes

PRINT MODULE 2012.00.02

New Features and Improvements	Version
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.	2012.00.02
TRIAL mode – 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.	2012.00.02
License options – • 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:	2012.00.02

EventID	Type	Meaning
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).

Online license - 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.	2012.00.02

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Known Limitations / Remarks

- On Windows Server Core 2022, the option "Server Core App Compatibility Feature on Demand (FOD)" need to be activated to run PRINT MODULE.

- For Hasp protection type, Sentinel Hasp driver version 8.41 or higher are not compatible with PRINT MODULE, version 8.31 must be used.

- 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

Compatibility with other TEKLYNX Software

PRINT MODULE 2022.00.03 is compatible and fully tested to work with the following TEKLYNX software packages:

- CODESOFT 2022.00.03

This release notes document is for informational purposes only. Product specifications are likely to change.

PRINT MODULE

TEKLYNX
Barcode Better

France	**Germany**	**Singapore**	**United States**
+33 (0) 562 601 080	+49 (0) 2103 2526 0	+65 6908 0960	+1 (414) 837 4800

www.teklynx.com

Microsoft Partner
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