

IKEA Print Application - Hybrid Model S

Supplier Setup guide

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Purpose

In September 2022 IKEA introduced IKEA Print Application in Cloud. That enables IKEA suppliers to print dynamic labels with GS1 Datamatrix barcode. All data for labels and printing application are held in Cloud.

With this hybrid (S) model, printing will be done on local computer of supplier, triggered from supplier's ERP/WMS system, with data for labels still fetched from Cloud database.

Topology



Topology: Main components of Hybrid S model and their relations



Installation

Requirements

To use IKEA Hybrid model S solution, an Internet connection is required to download the installation program and the setup file.

To install the solution Windows computer is required with following <u>system requirements</u> (see section **NiceLabel10** for HW requirements and section **NiceLabel Cloud** for connection to Cloud environment).

Please note that for access to:

- IKEA cloud **Product database** located on <u>https://ikea.onnicelabel.com</u> traffic on TCP ports 1433 and 1434 have to be allowed
- Service for Compliance icons traffic to server http://20.224.60.229 on TCP port 56426 have to be allowed.

NiceLabel Automation Installation

Note: Installation package contains setup for <u>3</u> NiceLabel products. During installation choose <u>only</u> NiceLabel Automation module (at step 6). To install NiceLabel Automation module go to <u>https://ikea.onnicelabel.com/dashboard/Administration/Download/DownloadDesktopClient</u> and download installation package.

1. After download, run the installation file. Installer verifies the installation package content.



2. Select installation language from the drop-down list and click OK

Select S	etup Langua	ge	×			
i	Select the language to use during the installation:					
[English		~			
		ОК	Cancel			

3. NiceLabel Setup dialog window opens automatically. Click Next.

Loftwar	e [.]		
NiceL	abel		
Welcome to NiceL	abel 10 installer.		
	Loftware Nicel Welcome to Nicel	Loftware NiceLabel Welcome to NiceLabel 10 installer.	Loftware NiceLabel Welcome to NiceLabel 10 installer.



4. After accepting the license agreement, click Next to continue.

	Licens	e Agreement		
Please read the fo before you can co	ollowing License Agreeme ontinue with the installati	ent. You must accept the te ion.	rms of this agreement	
	END USER LI	CENSE AGREEMENT		^
THIS END USER	LICENSE AGREEMENT (THIS "AGREEMENT") IS A	BINDING LEGAL	
CONTRACT BET	WEEN YOU (DEFINED BE	ELOW) AND EURO PLUS, I	0.0.0., A COMPANY	
ORGANIZED AN	D EXISTING UNDER THE	LAWS OF SLOVENIA, WIT	HITS REGISTERED	
		US SENCUR, SLOVENIA A		
A ORDER TO NIC	CELABEL, OR DOWNLO	ADING, INSTALLING, ACCE	SSING OR USING ANY	
SOFTWARE PRO	OVIDED BY NICELABEL T	O YOU OR ANY ASSOCIA	TED	
	ON PROVIDED WITH THE	SAGREEMENT (COLLECT	VELY. THE	

5. For the license activation method select NiceLabel Cloud subscription.

NiceLabel 10 Setup	_		×
Select license activation method			
🔁 🔿 Free trial			
C License key or hardware key			
O NiceLabel Control Center connection			
NiceLabel Cloud subscription			
Back Next		Cance	I

6. When selecting modules, only select Automation (unselect Print and Designer).

NiceLabel 10 Setup	_		×
Select modules you wish to install			
Designer			
Print			
Automation Part of Automation runs as Windows service. To experience the full potential Automation, run it under your local user or domain user account. This gives access to shared network folders and printers.	of you unlii	mited	
Log in using local user or domain user credential			
Username:			
Password:			
\bigcirc Run Automation with limitations under Local System Account			
Back Next		Cance	4

Select how you are going to run Automation service. Type in the account under which the Windows services are going to run. Make sure you use an account with access to local printer drivers.

NOTE: We recommend using standard or administrative user accounts. The Local System Account has limited access to network shared files and printers. It requires additional work when setting up printers to make them work correctly. It's also recommended that "change password every x" policy does not apply to that account.

www.loftware.com



7. Define the installation path and decide if you want to share your usage data with NiceLabel or not. Anonymous usage data helps NiceLabel improve the applications and therefore increase your productivity.

	Optio	ns		
Product install path:				
C:\Program Files\ViceLa	belWiceLabel 10			Browse
	y concerning and reporting an	ionymous usugi	- Goto	
<u> </u>				
L				

8. The package is now ready to install, click *Install* to continue.



9. Once the set up is complete, click *Close*.

NiceLabel 10 Setup	_		×
Setup done			
NiceLabel 10 has been successfully installed.			
Close	e	Canc	el





Activation

The first time NiceLabel Automation is run, license activation is required.

1. Run NiceLabel Automation Manager (ideally from desktop icon).



2. A sign in window will appear. Type (ikea) for NiceLabel Cloud location and click Connect.

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nect

3. Sign into your label cloud using the Microsoft account provided by IKEA.

×
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Note: If this is the first time you have used this account you may be required to change your password.

Note: in case that you will experience issues during Sign in you could choose Use external browser for sign in, which will open the Internet browser where you will provide the account credentials.





4. After a few seconds the software will activate, click *OK* and the Automation Manager will open.

		Sign in	>	<			
<u>← Go Back</u> Inf	formation Activatio Product wa	Activate your license Connect to NiceLabel Cloud Con Complete as successfully activated. OK	.onnicelabel.com				
I NiceLabel Automation M	lanager - Enterprise				-		\times
Triggers Lo	og About					×	?
By status All triggers Errors Running Idle Stopped	0	No triggers defined Add a configuration file or creat Add Configuration File Create a New Configuration	e a new one in NiceLabel Automation Bui	lder.			
Configurations	+ Add						

5. Leave the Automation Manager open and move on to the next stage (file download).



Automation configuration file download

For installation of triggers which are processing the print requests a configuration file is required, which is downloaded from NiceLabel.

1. Download the IkeaGS1ModelS.zip setup file from

https://ikea.onnicelabel.com:8080/Downloads/IkeaGS1ModelS.zip

- 2. Unzip file to a suitable folder (suggested location is root of C drive "C:").
- Open bin open properties of both dll files and make sure they are not locked.
 If there is a security message like in the picture below, check Unlock box and Apply.

eneral Secu	rity Details Previous Versions		
1000	NLTools.dll		
Type of file:	Application extension (.dll)		
Opens with:	Unknown application Cha	ange	
Location:	C:\lkeaGS1ModelS\bin		
Size:	5.00 KB (5,120 bytes)		
Size on disk:	8.00 KB (8.192 bytes)		
Created:	Monday, October 24, 2022, 3:06:44 PM	1	
Modified:	Yesterday, December 19, 2022, 11:46:	09 PM	
Accessed:	Yesterday, December 19, 2022, 11:46:	09 PM	
Attributes:	Read-only Hidden	dvanced	
Security:	This file came from another computer and might be blocked to help protect this computer.	Unblock	

4. From Automation Manager click +Add to add a configuration file (make sure you are on Triggers tab).

MiceLabel Automati	on Manager - Enterprise		- D >	<
Triggers	Log About		* (•
By status				
All triggers	0	No triggers defined		
Errors	0	Add a configuration file or create a new one in NiceLabel Automation Builder.		
Running	0	Add Configuration File		
Idle	0	🗶 Create a New Configuration		
Stopped	0			
Configurations	5 + Add			





5. A file browser window will open. Browse to the "C:\IkeaGS1ModelS" folder (or your chosen unzip folder). From here run select the "IntegrationModelS.misx" file.

C:\lkeaGS1ModelS\								
Name	Size	Packed Size	Modified					
bin	707 112	256 162	2023-02-06 16:48					
Fonts 📃	711 432	347 169	2023-02-06 16:48					
PrintDrop	0	0	2023-06-15 13:53					
RequestSamples	4 042	2 207	2023-02-06 16:48					
Temp	0	0	2023-07-21 13:31					
🖽 IntegrationModelS.misx	227 833	227 581	2023-07-21 13:25					
🗋 v1.2	0	0	2023-07-18 12:58					

6. 3 triggers will now be in Automation Manager. The triggers are not running. Click each *Start* button in turn and the triggers will start.

🔟 NiceLabel Automation Ma	anager - Enterprise					$ \Box$ \times
Triggers Lo	g About					* 0
By status			Drop Print File			
All triggers	3	Stopped	.\PrintDrop*.* Processed: 0	Errors: 0	Time passed since last event:	≣ Log ► Start
Errors	0	<u></u>	HTTP Print			
Running	0	Stopped	Port: 56429 Path: /Print/ Processed: 0	Errors: 0	Time passed since last event:	≣ Log ► Start
Idle	0	8 1	TCP/IP Server			
Stopped	3	Stopped	Port: 56425 Processed: 0	Errors: 0	Time passed since last event:	≣ Log 🕨 Start
Configurations	+ Add					
IntegrationModelS	•					

7. All triggers are now running and you may close Automation Manager.

🖪 Nicelabel Automation Manager - Enterprise – 🗖 🗌 🗘									×		
Triggers	Log Ab	out								Х	8
By status All triggers	3		Running	Drop Print File	Errors: 0	Time passed since last event:		=	Log	Stop	
Errors Running	0 3	•	Running	HTTP Print Port: 56429 Path: /Print/ Processed: 0	Errors: 0	Time passed since last event:		=	Log	Stop	
Idle Stopped	c)	Running	TCP/IP Server Port: 56425 Processed: 0	Errors: 0	Time passed since last event:		=	Log	Stop	
Configurations IntegrationMod	elS V	ł									





Printer drivers

For optimal printing results we are suggesting use of native NiceLabel printer drivers which are available on Loftware webpage <u>https://drivers.loftware.com/</u>.

Instructions for printer driver installations are available here <u>https://help.nicelabel.com/hc/en-001/articles/4405114809745-Installing-NiceLabel-Printer-Drivers</u>

Installation of Fonts

For correct printing of labels font family Noto IKEA have to be installed on computer where Automation manager is running. Noto IKEA fonts (4 files) are included in Hybrid S download package https://ikea.onnicelabel.com:8080/Downloads/IkeaGS1ModelS.zip.

Navigate to folder where you unzip the IkeaGS1ModelS.zip file (suggested location was root of C drive "C:"). Open folder Fonts, select the font file, do right click and select *Install for all users*. Repeat for all 4 files.

Name		Date mod	dified	Туре		Size
NotolKEALatin-Bold.ttf					pe font file	171 KB
NotolKEALatin-BoldItalic.tt		Preview			pe font file	177 KB
NotolKEALatin-Italic.ttf	_	Print			pe font file	178 KB
NotolKEALatin-Regular.ttf	S	Share with Skype Install			pe font file	171 KB
		Install for all users				
		7-Zip	3	>		





Solution flow description

Supplier will, from their ERP/EMS/WMS or any other system used for label printing, provide print request in any of belowmentioned formats. Print request can be sent in different ways (as file drop in specific folder, HTTP request (REST) or TCP/IP call). Print request will be sent to Loftware Integration System (NiceLabel Automation application) which will process the request.

Loftware Integration System will according to values in XML or JSON fetch correct data for label from IKEA Cloud product database, combine this with label template (taken from IKEA Cloud Document Management System) and print label to printer defined in in XML/JSON. Print request can also have some other settings defined which will help control printing.

Print request Data Format

There are two predefined data formats possible. XML and JSON. Both should follow predefined structure with some nodes as mandatory and some optional.

HEADER:

- PRINT: True or False (Default: True)
- **PRINTER_NAME***: Name of the printer you will use to print IKEA labels. It must be installed with the same name on the computer where Automation trigger is running
- QUANTITY*: numeric value between 1 and 9999, UNLIMITED for use in marking printers (store and recall)
- PRINT_JOB_NAME: String value describing current print job (Default: "Label name")
- ROTATED: True or False (Default: False)
- VERTICAL_COUNT: numeric value between 1 and 999 (Default: 1)
- GAP: number between 0 and 99 (Gap is not applied to the print if it is not defined)
- MARGINS (TOP, BOTTOM, LEFT and RIGHT): number between 0 and 99
- ORIENTATION: Landscape or Portrait (Default: Landscape)
- PREVIEW: True or False (Default: False). Please note that response with image of the label is possible only through HTTP trigger.
- PREVIEW_FORMAT: Options JPEG, PNG or BMP (Default: JPEG)
- ENABLECUTTER: Enable cutter functionality: Cut after every label, True or False (Default: False)
- DISABLE_VARIANT_SIZE: Possibility to disable dynamic label size. Use it for marking printers for printing proper size of the label (Default: False)
- ENABLE_LOW_DPI_PRINT: Possibility to disable check for printer resolution (for support printing the label on printer with resolution lower than 300 DPI. Disabling this check will enable faster procession of print request (Default: False)
- LOG_LABEL_SIZE: Possibility to disable label size check and writing the label size to print log. Enabling that option will skip label rendering and with thus faster procession of print request (Default: True)

DATA:

- SUPPLIER_CODE*: Supplier code
- **DOCNO***: Document number

Docno	This is a number in which the document gets identified This is running number which is displayed in PDOC after 'PI'	318123	Al(240)00000000000000 Al(13)000000 00-00-00 (YY-MM-DD) Pl- <u>318123</u> 2 IKEA of Sweden AB SE – 34381 Älmhult © Inter IKEA Systems B.V. 2021
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- DOCVERSIONNO*: Document version number

DocVersionNo	This is a unique version number against the document. This can be seen in PDOC after docno	2	Al(240)00000000000000 Al(13)00000 00-00-00 (YY-MM-DD) PI-318123-2 IKEA of Sweden AB SE – 34381 Älmhult © Inter IKEA Systems B.V. 2021
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- CPN: Consumer Package Number required in case of CP label type. Empty value in case of MP, PI label type

- DATESTAMP*: Date stamp in format yyyyMMdd
- PREFIX*: string value max 5 chars. If not used, value should be empty
- **SUFFIX***: string value max 5 chars If not used, value should be empty
- SECTION: Possibility to select which Section to print if label includes Sections. Options "Complete label", "Only static information" and "Only data matrix and date" (Default: Complete label)
- USER*: Name of the user that triggered the job
- DATAMATRIXSIZE: Possibility to select which Datamatrix size to print if label supports it (1R20-COA,IDA,NUA or 1R35-COA,IDA,NUA). Options "Square" or "Rectangle". (Default: empty)
- COLORDOTSECTION: Possibility to select which options to print if label includes Color dot. Options "Show color dot with number", "Show color dot" and "Hide color dot" (Default: Show color dot with number)
- NUMBERSECTION: Possibility to hide number if CPN>1, Options "Show number" and "Hide number" (Default: Show number)
- MERGED_LABEL: Possibility to print Identification label with additional LCI information as merged label. Name in the tag should correspond to name set during Label mapping.

Please note that for printing Merged label first the Label Mapping should be performed in IPA web printing application. Read the section Merged Labels in <u>IPA Supplier User guide</u> for detailed instructions.

- LCIDATE: LCI (packaging) date stamp in format yyyyMMdd printed on merged label in bottom right corner. If during Label mapping *Show date stamp* was selected then LCI/Packaging date have to be provided for printing. See section Merged Labels -> Label printing in <u>IPA Supplier User guide</u> for details.
- COUNTRY_OF_ORIGIN: Possibility to set Made In text for labels: "L10555-MIA", "1R35-COA,IDA,NUA", "1R20-PRA", "1R15-COA,IDGDM,CMA", "1C50-IDEDM", "1C70-IDEDM" and "1R20-IDHDM"

Allowed values are: "Made in the USA", "Made in the US of Imported Materials", "Made in U.S. from Imported Parts", "Assembled in the US of imported materials" and "Assembled in USA". This option needs to be enabled by Ikea per supplier.

- **SAWN ON MARGINS: no need to add them in print request
- * Mandatory fields for all label templates are marked BOLD
- ** SawnOn Margins are set within IPA Print application. Nothing to add in print request

Sample XML/JSON requests

Below samples are provided for supplier support during creation of print request(s). It's suggested that label is always previewed in IPA print application where all required tags in print request for DATA section are visible in the middle part of the screen (marked red).





Sample 1: Prefix, Datestamp, Suffix, Datamatrixsize, Section, Colordotsection (Numbersection is not required since it's greyed out)

1 2	0473362 PAX N	N slid drs pair frr	n w rail 150x201 w	hite AP	1R20-COA,IDAD	M PI-6889	44-1	Adhesive	Implemented		
1 4	0497734 SKYT	A slid door frm 1	02x196 black		1R20-COA,IDBD	M PI-7001	51-1	Adhesive	Rel To Sup		*
Prefix:	Date:	Suffix:	Data Matrix:	Prod	uct information:	Color o	ot:		Number:	Pre	view mode:
	02.02.2024	~	Square	▼ Cor	nplete label	 Show 	color	r dot with number	r 🔹 Show num	nber • Ov	verlay +
Label	Preview:									Sho	ow label size
61		PA Design ar IKEA of	X Ind Quality Sweden (59x79 1	l cm I/8")	14 kg (32 lbs)	204.733	. .62	22333	Made in Chir	Al(240)20473 Al(13)240202 24-02-02 (YY-1 Pi-688944-1 IKEA of Swed 5E - 34381 Åli © Inter IKEA : B.V. 2021	362223339 MM-DD) en AB nhult Systems
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xml v</td <td>ersion="1.0"?></td> <td></td> <th></th> <td></td> <td></td> <td></td> <td>{</td> <td></td> <td></td> <td></td> <td></td>	ersion="1.0"?>						{				
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	<header></header>							"HEADER":{			
		<printer_n <="" td=""><th>AME>ZEBRA ZT4</th><td>110-300dp</td><td>i ZPL<td>ME></td><td></td><td>"PRINTER_</td><td>NAME": "ZEBRA ZT</td><td>410-300dpi ZP</td><td>L",</td></td></printer_n>	AME>ZEBRA ZT4	110-300dp	i ZPL <td>ME></td> <td></td> <td>"PRINTER_</td> <td>NAME": "ZEBRA ZT</td> <td>410-300dpi ZP</td> <td>L",</td>	ME>		"PRINTER_	NAME": "ZEBRA ZT	410-300dpi ZP	L",
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		<docn0>688</docn0>	944					"DOCNO"	688944"		
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	<suffix></suffix>						"SUFFIX": "	'123",			
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			FCTIONSShow (olor dot w	ith numbers/COLORI			SECTION "COLORDO	. Complete label ,	color dot with	number"
		<user>User1</user>						"USER"· "U	ser1"		number,
								}			
<td>></td> <td></td> <th></th> <td></td> <td></td> <td></td> <td>}</td> <td></td> <td></td> <td></td> <td></td>	>						}				
							}				

Sample 2: Prefix, Datestamp, Suffix, Section (Colordotsection and Numbersection are not required since they are greyed out)

1	50506318	STRAUMEN N mirror door 60x120 mirror glas	ss 1R10-IDADM	PI-625446-1	A	ccepted		
1	20525691	LARKOLLEN handle 60 white 2-p	1R10-IDADM	PI-625476-1	A	ccepted		-
Prefix	Date:	Suffix:	Product information:	Color dot:		Number:	Preview m	ode:
	02.02	2.2024 🗸	Complete label	 Show colo 	r dot with number 🔹	Show number	 Overlay 	•
Label	Preview:						Show labe	el size
								<u> </u>
	тст					AI(240)50506318223339 I	KEA of Sweden AB	
``		AOMEN			医心理系统	AI(13)240202 5 24-02-02 (YY-MM-DD) 0	SE - 34381 Älmhult D Inter IKEA Systems	405
		60x120 cm 8 kg (23 5/8x47 1/4") (17 lbs)	505.063.18 ²²³³³		<u> 1997 - 1997 - 1</u>	PI-625446-1 E Made in China	3.V. 2021	2
Sami		Print action		Sample I	SON Print action			
xml v</td <td>ersion="1 (</td> <td>)"?></td> <td></td> <td>{</td> <td></td> <td></td> <td></td> <td></td>	ersion="1 ()"?>		{				
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	<td>ADER></td> <td></td> <td></td> <td>},</td> <td></td> <td></td> <td></td>	ADER>			},			
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		<pre><datestamp>20240202<pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></datestamp></pre>	STAMP>		"DATESTAMP": "2022102	0",		
		<section>Complete label<td>TION></td><td></td><td>"SECTION": "Complete lab</td><td>el".</td><td></td><td></td></section>	TION>		"SECTION": "Complete lab	el".		
		<user>User1</user>			"USER": "User1"			
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	<td>TA></td> <td></td> <td>}</td> <td></td> <td></td> <td></td> <td></td>	TA>		}				





Sample 3: Prefix, Datestamp, Suffix, Datamatrixsize, Section, Numbersection, CPN* (Colordotsection is not required since it's greyed out)

1 9048	0401 KVIST	BRO stor tbl 44 t	black	1R20-IDAD	M,NUA	PI-576348-1			A	Accepted		
2 9048	0401 KVIST	BRO stor tbl 44 t	black	1R20-IDAD	M,NUA	PI-576348-1			A	Accepted		٣
Prefix:	Date:	Suffix:	Data Matrix:	Product information	ו:	Color dot:				Number:		Preview mode:
	02.02.2024	~	Square	 Complete label 	•	Show col	or dot \	with number	*	Show nu	Imber	 Overlay
Label Pre	view:											Show label size
												~
		VISTBR	n /8")	¹⁽²⁾ 904.8	304.01	22710		Made in Italy	AI(1 24- PI-5 IKE SE- © II B.V	240)90480401227 13)240202 02-02 (YY-MM-DD 576348-1 CA of Sweden AB - 34381 Älmhult inter IKEA System: /, 2021	5 5405	1
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	<header></header>	<printer na<="" td=""><td>AMF>7FRRA 7T4</td><td>10-300dni 7PI <td>NAME></td><td></td><td>"PRINT</td><td>R :{ FR NAME"· "7</td><td>7FBR/</td><td>A 7T410-300</td><td>)dpi 7PI "</td><td></td></td></printer>	AMF>7FRRA 7T4	10-300dni 7PI <td>NAME></td> <td></td> <td>"PRINT</td> <td>R :{ FR NAME"· "7</td> <td>7FBR/</td> <td>A 7T410-300</td> <td>)dpi 7PI "</td> <td></td>	NAME>		"PRINT	R :{ FR NAME"· "7	7FBR/	A 7T410-300)dpi 7PI "	
		<quantity></quantity>	1				"QUAN	ITITY": "1",			op: 2: 2)	1
 <td></td> <td></td> <td><pre>}, "DATA": "SUPP "DOCN "DOCV "CPN" "PREFI" DATE "SUFFI" "DATAI" "SECTI" "USER" "</pre></td> <td>{ LIER_CODE": " 10": "576348", ERSIONNO": " : "1", X": "123", STAMP": "202 X": "123", MATRIXSIZE": ON": "Comple BERSECTION" : "User1"</td> <td>2233: 1", 2102 : "Squ te lab : "Sho</td> <td>3", 0", are" bel", bw number",</td> <td></td> <td></td>					<pre>}, "DATA": "SUPP "DOCN "DOCV "CPN" "PREFI" DATE "SUFFI" "DATAI" "SECTI" "USER" "</pre>	{ LIER_CODE": " 10": "576348", ERSIONNO": " : "1", X": "123", STAMP": "202 X": "123", MATRIXSIZE": ON": "Comple BERSECTION" : "User1"	2233: 1", 2102 : "Squ te lab : "Sho	3", 0", are" bel", bw number",				
						}	}					

* This article contains two packages and CPN is required since combination of Docno + Docversionno returns two hits. If Show number in Number dropdown is available CPN is always required.

Sample 4: Prefix, Datestamp, Suffix, Section

1 405	512640	SKYTTA rail f slid door frm 2 tracks white	1C70-IDBDM	PI-651398-1		Accepted	
1 205	512641	SKYTTA rail f slid door frm 2 tracks black	1C70-IDBDM	PI-651421-1	Adhesive	Accepted	
Prefix:	Date:	Suffix:	Product information:	Preview mo	ode:		
	02.02	2.2024 🗸	Complete label -	Overlay	•		
Label Pr	eview:						Show label size
			SKYTTA				
			405.126.40	7 kg (14 lbs)	KEA an and Quality A of Sweden		
			Al(240)4051264022333	9 Made in China IKEA of Sweden AB			
			24-02-02 (YY-MM-DD) PI-651398-1	SE - 34381 Älmhult © Inter IKEA System	is B.V. 2021	CD#7	
Sample	e XMI	Print action		Sample J	SON Pr	int action	
xml vers</td <td>sion="1.(</td> <td>)"?></td> <td></td> <td>{</td> <td></td> <td></td> <td></td>	sion="1.()"?>		{			
<label></label>		DER		"LABEL": {			
		<pre><printer_name>ZEBRA ZT41</printer_name></pre>	0-300dpi ZPL		"PRINTER_I	NAME": "ZEBRA ZT410-300dpi ZPL",	
		<quantity>1</quantity>	• –		"QUANTITY	/": "1",	
	<td>ADER></td> <td></td> <td></td> <td>}, 'DATA"'1</td> <td></td> <td></td>	ADER>			}, 'DATA"'1		
	VDA I	<pre><supplier code="">22333</supplier></pre>	PLIER CODE>		"SUPPLIER	CODE": "22333".	
		<docno>651398</docno>			"DOCNO": "	651398",	
		<pre><docversionno>1</docversionno>1</pre>	SIONNO>		"DOCVERSI	ONNO": "1",	
		<prefix></prefix> <datestamp>20240202<td>FSTAMP></td><td></td><td>"DATESTAI</td><td>, MP"· "20221020"</td><td></td></datestamp>	FSTAMP>		"DATESTAI	, MP"· "20221020"	
	<suffix></suffix>					123",	
	<section>Complete label</section>					"Complete label",	
	<td> <user>User1</user> </td> <td></td> <td>1</td> <td>"USER": "Us</td> <td>er1"</td> <td></td>	 <user>User1</user> 		1	"USER": "Us	er1"	
	<td></td> <td></td> <td>}</td> <td></td> <td></td> <td></td>			}			
,				}			



Sample 5: All possible tags in print request

Sample XML Print action - all tags	Sample JSON Print action - all tags				
xml version="1.0"?	{				
<label></label>	"LABEL": {				
<header></header>	"HEADER":{				
<print>True</print>	"PRINT". "True"				
PRINTER NAMESZERRA ZTA10-300dpi ZPI Z/PRINTER NAMES	"PRINTER NAME": "7EBRA 7T/10-300dni 7PI "				
	"OLIANTITY": "1"				
<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	"PRINT IOR NAME": "Print Joh1"				
	"ROTATED": "False"				
	GAF . J, "MADOINS":(
	TOP . 0, "BOTTOM": 0				
	BUTTOMI.U,				
	LEFI:U,				
<righ1>U</righ1>	"RIGHT": U				
	}, "ODUENTATION" "!!				
 	"ORIENTATION": "Landscape",				
<enablecutter>Faise</enablecutter>	"ENABLECUTTER": "False",				
<pre><disable_variant_size>False</disable_variant_size></pre>	"DISABLE_VARIANT_SIZE": "False",				
<enable_low_dpi_print>False</enable_low_dpi_print>	"ENABLE_LOW_DPI_PRINT": "False",				
<log_label_size>True</log_label_size>	"LOG_LABEL_SIZE": "True",				
<preview>False</preview>	"PREVIEW": "False",				
<preview_format>PNG</preview_format>	"PREVIEW_FORMAT": "PNG"				
	},				
<data></data>	"DATA":{				
<supplier_code>00000</supplier_code>	"SUPPLIER_CODE": "00000",				
<docno>318123</docno>	"DOCNO": "318123",				
<docversionno>1</docversionno>	"DOCVERSIONNO": 1				
<cpn>1</cpn>	"CPN": "1",				
<pre><datestamp>20221020</datestamp></pre>	"DATESTAMP": "20221020",				
<prefix>ABC</prefix>	"PREFIX": "ABC",				
<suffix>123</suffix>	"SUFFIX": "123",				
<section>Complete label</section>	"SECTION": "Complete label",				
<colordotsection>Show color dot with</colordotsection>	"COLORDOTSECTION": "Show color dot with number",				
number	"NUMBERSECTION": "Show number"				
<numbersection>Show number</numbersection>	"USER": "User1",				
<user>User1</user>	"DATAMATRIXSIZE": "Square"				
<datamatrixsize>Square</datamatrixsize>	"MERGED_LABEL": "Mapping1"				
<merged_label>Mapping1</merged_label>	"LCIDATE": "20221020",				
<lcidate>20221020</lcidate>	}				
	}				
	}				

Sample 6: Preview action (available only via HTTP)

Sample XML Preview action	Sample JSON Preview action
xml version="1.0"?	{
<label></label>	"LABEL": {
<header></header>	"HEADER":{
<print>False</print>	"PRINT": "False",
<quantity>1</quantity>	"QUANTITY": "1",
<enablecutter>True</enablecutter>	"ENABLECUTTER": "True",
<preview>True</preview>	"PREVIEW": "True",
<preview_format>PNG</preview_format>	"PREVIEW_FORMAT": "PNG"
	},
<data></data>	"DATA":{
<supplier_code>00000</supplier_code>	"SUPPLIER_CODE": "00000",
<docno>318123</docno>	"DOCNO": "318123",
<docversionno>1</docversionno>	"DOCVERSIONNO": 1,
<uatestamp>2022T020</uatestamp>	DATESTAMP . 20221020, "DDEELV": "APO"
	"CLIEELV": "122"
	"IISED": "Ilcor1"
	}

Sample 7: Required tags only (label type: MP and PI)

Sample XML Print action - required tags only		Sample JSON Print action - required tags only
xml version="1.0"?		{
<label></label>		"LABEL": {
<header></header>		"HEADER":{
<printer_name>ZE</printer_name>	BRA ZT410-300dpi ZPL	"PRINTER_NAME": "ZEBRA ZT410-300dpi ZPL",
<quantity>1<td>NTITY></td><td>"QUANTITY": "1"</td></quantity>	NTITY>	"QUANTITY": "1"
		}
<data></data>		"DATA":{
<supplier_code>00</supplier_code>	0000	"SUPPLIER_CODE": "00000",
<docno>318123<td>OCNO></td><td>"DOCNO": "3181231",</td></docno>	OCNO>	"DOCNO": "3181231",
<docversionno>1<</docversionno>		"DOCVERSIONNO": 1,
<datestamp>20221</datestamp>	1020	"DATESTAMP": "20221020",
<prefix>ABC<td>-IX></td><td>"PREFIX": "ABC",</td></prefix>	-IX>	"PREFIX": "ABC",
<suffix>123<td>IX></td><td>"SUFFIX": "123",</td></suffix>	IX>	"SUFFIX": "123",
<user>User1<td>></td><td>"USER": "User1"</td></user>	>	"USER": "User1"
		}
		}



Submitting the print request

1. Supplier has three options to trigger a print request "HTTP", "File drop" or "TCP/IP"

All printing logic is contained within "HTTP Print" trigger. If print is triggered using "File Drop" or "TCP/IP" request is simply internally forwarded to HTTP print trigger. Since all logic is contained in HTTP Print trigger it should always be active.

- To trigger a print using HTTP make a request to http://[YourServerAddress]:56429/Print 0
- To trigger a print using TCP/IP make a request to [YourServerAddress]:56425 0
- To trigger a print using File drop, drop a file in folder "PrintDrop" next to automation configuration file 0
- 2. If a Print job is triggered with XML format than also the response is returned in XML format, if it is triggered with Json formatted text response is also in Json.
 - Status can be OK or ERROR. 0
 - Message contains error description in case of Status "ERROR" 0
 - Preview tag contains Base64 encoded preview if it was requested and in preview format that was 0 specified in the request.

XML response:

<Response>

```
<Status>OK</Status>
    <Message></Message>
    <Preview></Preview>
</Response>
JSON response:
  "Response": {
    "Status": "OK",
    "Message": "",
    "Preview": ""
 }
```

```
}
```

{

- 3. If a request doesn't contain a request body in XML or JSON an error is returned in plain text with no formatting.
- 4. Preview functionality is only supported when using HTTP.





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