Functional Tips for Print Envoy

This month's tip for getting more from your Print Envoy implementation!

Print Envoy New Feature Preview: Loftware Web API

-By Olivia Johnson Olivia.Johnson@cloudinventory.com

In this month's issue of Print Envoy functional tips, we are introducing a new feature: Integration between Print Envoy in D365 and the Loftware Cloud label printing engine solution. Up until now, Print Envoy has been primarily used to integrate with on-prem label printing engine instances via Print Courier Service. Moving forward, customers will be able to continue using Print Envoy with Print Courier to drop label files into a monitored drop folder and will alternatively be able to use Print Envoy to print via Cloud. If you are already a Loftware customer and are considering moving to the cloud, this new feature is for you. Coming soon, we will be introducing BarTender Cloud integration as well!

Configuring Loftware Web API

Integration with Loftware's web API is simple: After you have registered your User/API Key on Loftware Cloud, navigate to DSI Print Envoy > Print Server Drop Folders.

The link to Loftware Cloud is configured using 4 fields,
1. Drop Folder Name – The name you want to give the drop folder. It is only referenced in Print Envoy.
2. Drop Folder – Enter the URL of the Loftware Cloud end point.
3. Label Server Type – select Loftware. Print Envoy knows if you want to create a text based drop file or use a web link.
4. User / API Key – enter the API key tied to your Loftware Cloud account. Select the "Validate API" button to check the URL and API Key values. If successful, the API version is returned. If unsuccessful, an error message is displayed.

		Drop Folder Name	Drop Folder	Label Server Type	Site	User / API Key	Password	Validation Status
○	↻	abc	https://labelcloudapi.onnicelabel.com	Loftware		ae6a24a76d31420eb0abbeb433f42ed9		version: 24.2.0.13651
		Label Drop	C:\ScanWorkX Label Drop	DSI EPP				
		Label Drop - BT	C:\ScanWorkX Label Drop	Bartender				
		Label Drop - BT CSV	C:\ScanWorkX Label Drop	Bartender CSV				
		Label Drop - EasyLabel	C:\ScanWorkX Label Drop	EasyLabel				
		Label Drop - Loftware	https://labelcloudapi.onnicelabel.com	Loftware		ae6a24a76d31420eb0abbeb433f42ed9		version: 24.2.0.13651
		Label Drop - NiceLabel	https://labelcloudapi.onnicelabel.com	NiceLabel		ae6a24a76d31420eb0abbeb433f42ed9		version: 24.2.0.13651
		Label Drop - TekLynx	C:\ScanWorkX Label Drop	TekLynx				

Print Envoy will display error messages if you run into issues validating your connection information. Shown below are a few sample cases and their associated errors. If the URL entered in the Drop Folder column is incorrect, we should see an error while sending the request. If the User/API Key is incorrect or invalid, we should see an error indicating our access is denied due to an invalid subscription key.

⚠ One or more errors in the API URL and/or Key.

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Print Server Drop Folders
Standard view ∨

🔎 Filter

○	⟳	Drop Folder Name	Drop Folder	Label Server Type	Site	User / API Key	Password	Validation Status
○		abc	https://labelcloudapi.onnicelabel.com2	Loftware ∨		ae6a24a76d31420eb0abbeb433f42ed9		An error occurred while sending the request.
		Label Drop	C:\ScanWorkX Label Drop	DSI EPP				
		Label Drop - BT	C:\ScanWorkX Label Drop	Bartender				
		Label Drop - BT CSV	C:\ScanWorkX Label Drop	Bartender CSV				
		Label Drop - EasyLabel	C:\ScanWorkX Label Drop	EasyLabel				
		Label Drop - Loftware	https://labelcloudapi.onnicelabel.com	Loftware		ae6a24a76d31420eb0abbeb433f42ed9bad		statusCode: 401, message: Access denied due to invalid subscription key. Make sure to provide a v...
		Label Drop - NiceLabel	https://labelcloudapi.onnicelabel.com	NiceLabel		ae6a24a76d31420eb0abbeb433f42ed9		version: 24.2.0.13651
		Label Drop - TekLynx	C:\ScanWorkX Label Drop	TekLynx				

Configuring Printers

The link to Loftware Cloud allows Print Envoy to dynamically pull a list of available printers.
You can assign a known Loftware Cloud printer to your Print Envoy Printer entry using the API Printer Name drop down column, and the printer's Workstation Id will populate automatically in the next column. Then, you can create your printer selection rules the same way you are used to.
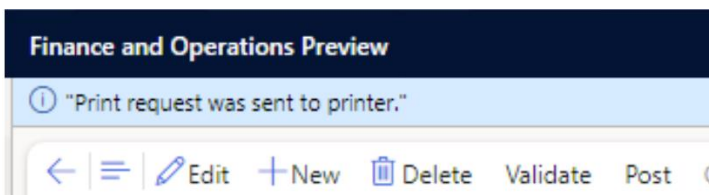
Printers
Standard view ∨

🔎 Filter

○	⟳	Printer Id ↑	Printer Name	Site	Warehouse	Drop Folder Name	Printer Type	API Printer Name	API Workstation Id
		01	Default Printer 01			Label Drop	Default		
		BT	Bartender			Label Drop - BT			
		BT-CSV	Bartender, CSV			Label Drop - BT CSV			
		EasyLabel	EasyLabel			Label Drop - EasyLabel	Default		
✓		Loftware	Loftware	∨	∨	Label Drop - Loftware ∨	∨	Datamax-O'Neil RL4e ∨	70768063-4876-4726-b4fc-0df048852245
		LoftwareId	LoftwarePrinterHTTP			Label Drop - Loftware	Default	Value ⋮	3-4876-4726-b4fc-0df048852245
		NiceLabel	NiceLabel			Label Drop - NiceLabel	Default	105SL	3-4876-4726-b4fc-0df048852245
		TekLynx	TekLynx			Label Drop - TekLynx		PM4i-1	
								R110xi	
								ZM400	
								ZT410-203dpi	
								Datamax-O'Neil RL4e	

When a handler is fired and the printer and template rules are evaluated, Print Envoy displays a confirmation message when a print request has been made.

Finance and Operations Preview

ⓘ "Print request was sent to printer."

← ≡ ✎ Edit ＋ New 🗑 Delete Validate Post (

If there is an error with the print request, Print Envoy displays the error message returned by the Loftware Cloud processor.

Note: Loftware Cloud requires that the label fields included in your data file to match your label template's expected inputs exactly. If any extra fields are present or any fields are missing, the print request will be rejected.

We are so excited to give you a sneak peek at this new feature! Our goal is to keep making Print Envoy better and to ensure that your label printing operations are easy to manage, fast, and tailored for your unique business needs. Please reach out to us at Olivia.Johnson@cloudinventory.com with your questions, concerns, or ideas you have for the future of Print Envoy. Thank you for being an awesome Print Envoy customer!