Evolabel integration possibilities

# Introduction

The Evolabel print & apply system has many ways it can be integrated and controlled by external software solutions. This document is a tool to guide you in selecting the most suitable solution in each specific customer case. The available possibilities are presented in order of priority, from the point of ease of integration and level of support normally required.

Some instructions below are linked to answers in Evolabels FAQ Forum [ask.autolabel.se](http://ask.autolabel.se). If you are not a registered user already, e-mail support@evolabel.com to get registered and to get your personal login.

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# 1 “Slave” under Windows

Principle

A Windows program such as Nicelabel or Bartender sends the whole print image to the Evolabel printer.

Requirements

A Windows computer which generates each new printout.

Limitations

Nicelabel and other Windows programs (except Bartender):

* We use the ZPL emulation support.
* A transferred job is active until a new job is sent.
* Internal printer variables as time & counters can not be used. This data need to be transferred with the rest of the data from the Windows program.

Bartender:

* Currently we use the DP emulation support.
* A transferred job is active until a new job is sent.
* Internal printer variables as time & counters can not be used. This data need to be transferred with the rest of the data from the Windows program.
* If the label size is not part of the layout, it must be set locally in the Evolabel printer. This means that it is only practical to use this integration form when the label size remains the same.

Instructions

Nicelabel and other Windows programs (except Bartender):

[NiceLabel ZPL Driver Installation](https://drive.google.com/open?id=0B971gAXwguHHMjlkVHJQZ3ZoTlU)

Bartender:

[ask.autolabel.se](http://ask.autolabel.se/questions/9/can-i-print-from-a-regular-windows-program)

Cost from Evolabel

No charge

# 2 Internal layout and data from XML

Principle

Label layouts are created and stored internally in the printer.

The built-in XML support in Evolabel printers provides a way to print labels directly from any XML data source that conforms to the format specified in the manual below.

Requirements

Internal layouts.

A host system that is capable of creating XML messages which contains a reference to a predefined layout and the variable data.

Limitations

No queuing

Instructions

[ask.autolabel.se](http://ask.autolabel.se/questions/34/can-i-send-data-to-the-printer-from-sap)

[XML Users Guide](https://docs.google.com/document/d/1fhSoZ32yk0l333Pm2JzUUIliaRWfLudKq-EYdxOuQYk/edit?usp=sharing)

Cost from Evolabel

No charge

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# 3 Internal layout and data from API

Principle

Utilizing the internal layout in the printer in combination with the Evolabel API (application programming interface) for the data. The Evolabel API is based on JSON.

Requirements

A host system that is capable of creating ACP messages to provide the desired functionality.

Limitations

Network only

Instructions

[ACP v1 Documentation](http://docs.autolabel.se/acp/v1/)

[ACP By Example](https://docs.google.com/document/d/1pHt-429WfXOUlH7lgwZmLh0r_vSN9MWOrxglie49Veg/edit?usp=sharing)

Cost from Evolabel

No charge

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# 4 Internal layout and data from CSV file

Principle

Utilizing the internal layout in the printer in combination with the Evolabel Product List App.

The product list app displays a list where the operator can activate a print job using the data associated with the selected product. It can get data from different data sources, such as CSV Text Files. It also handles SqLite, Microsoft SQL Server and Google Spreadsheet.

Requirements

Evolabel Product List APP

CSV file with data in columns as specified below

Limitations

Unpolished configuration interface. Requires hand-editing a JSON text file.

Instructions

[Product List User Guide](https://docs.google.com/document/d/1GJlfy591P8V_CKTfZsDcSaOscDhyPb1zST6LmepbSag/edit?usp=sharing)

Cost from Evolabel

No charge

# 5 Layout and data from API

Principle

Full integration of the Evolabel API (application programming interface). The Evolabel API is written in Json format

Requirements

A host system that is capable of creating ACP messages to provide the desired functionality.

Limitations

Network only

Instructions

[ACP v1 Documentation](http://docs.autolabel.se/acp/v1/)

[ACP By Example](https://docs.google.com/document/d/1pHt-429WfXOUlH7lgwZmLh0r_vSN9MWOrxglie49Veg/edit?usp=sharing)

Cost from Evolabel

No charge

# 6 Layout and data from ZPL-file

Principle

Utilizing the limited ZPL (Zebra Programming Language) Emulator in the Evolabel print and apply system.

Requirements

Ensure that the customer has access to a programmer that can verify what is sent and not sent to the printer.

All ZPL label files must be verified that they are fully supported, through <http://layoutview.autolabel.se>

Limitations

Print queue is not supported. A transferred job is active until a new job is sent.

Internal printer variables as time & counters can not be used.

Font support is very limited. All fonts are mapped to Liberation Sans, Mono and Serif.

Instructions

<http://layoutview.autolabel.se/example/ZPL>

<http://ask.autolabel.se/questions/68/autoprint-setup-when-using-zpl-label-files>

Q: When using a printer with the ZPL emulation, how should I setup the printer to allow the label to "Autoprint" when it receives the DATA then apply the label using a local photo-sensor?

A: The setup should be "Autoprint, apply on trig1"

Cost from Evolabel

No charge

# 7 Layout and data from DP-file

Principle

Utilizing the limited DP (Intermec Direct Protocol) Emulator in the Evolabel print and apply system.

Requirements

All Intermec label files must be verified that they are fully supported, through <http://layoutview.autolabel.se>

Limitations

Internal printer variables as time & counters can not be used.

If the label size is not part of the layout, it must be set locally in the Evolabel printer. This means that it is only practical to use this integration form when the label size remains the same.

Instructions

<http://layoutview.autolabel.se/example/DP>

Cost from Evolabel

No charge

# 8 Layout and data from DPL-file

Principle

Utilizing the limited DPL (Datamax Programming Language) Emulator in the Evolabel print and apply system.

Requirements

All Datamax label files must be verified that they are fully supported, through <http://layoutview.autolabel.se>

Limitations

Print queue is not supported. A transferred job is active until a new job is sent.

Internal printer variables as time & counters can not be used.

If the label size is not part of the layout, it must be set locally in the Evolabel printer. This means that it is only practical to use this integration form when the label size remains the same.

Instructions

<http://layoutview.autolabel.se/example/DPL>

[Configuring the DPL interpreter](https://docs.google.com/document/d/1qeRYu1uWkI0aMyC_xJWjarazRgP545hBUVF7d2E8URc/edit?usp=sharing)

[Autolabel DPL Support](https://docs.google.com/spreadsheets/d/1YfUNVPI1t9-M1c1Cao94ZA6-pPtMhLNAw5qZObEhWmI/edit?usp=sharing)

Cost from Evolabel

No charge

# 9 Other solutions

Principle

If none of the above alternatives does fulfill your customer needs or if any of the alternatives above is what you need but it has limitations which hinders the integration, a custom development solution may be possible.

Requirements

Clear requirement specification is needed

Limitations

Delivery time and cost

Instructions

e-mail requirement specification to henrik.bohre@autolabel.se

Cost from Autolabel

Will be quoted based on requirement specification.