

CardExchange Solutions

Evolis OCL

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Scope

A virtual printer driver will be developed that can be installed as a network printer driver which is able to receive print commands in the open-card format, translate them in Evolis escape commands and send those commands to an Evolis printer.

The virtual printer driver will include a basic interface that allows for designing and managing the open-card format layouts.

The virtual printer driver will be developed for Windows platforms only, even though it will be able to receive commands from non-Windows platforms over the network.

The virtual printer driver should be able to communicate with Evolis printers without requiring any changes to the printer firmware or driver.

Evolis OCL functional description

The AS400 client will print directly to an EvolisOCL printer which will generate a postscript file to be converted into Evolis escape commands and send to the printer via network socket. This solution can be used without need other Evolis driver installed.

Apart from the driver, two additional tools will be installed on the system at the programs folder, the EvolisOCLLayouts and the EvolisOSLConsole, both application shortcuts are available in the programs menu.

The EvolisOCLLayouts application is responsible for the open card layout configuration. It supports four layout definitions but only one can be defined as the default one to be used for print jobs. This tool stores the layout data in an ini file located at the application data folder, and the printer ip address setting for the network print usage.

The EvolisOCLConsole application is responsible to convert the AS400 data into Evolis print jobs, it can be used too for testing and support with the stored postscript files in the EvolisOCL temp folder. This application is always running in the background.

Since the open card layout only prints black objects this driver only uses Evolis K ribbons, any other ribbon will be used like a K one.

Evolis OCL Installation

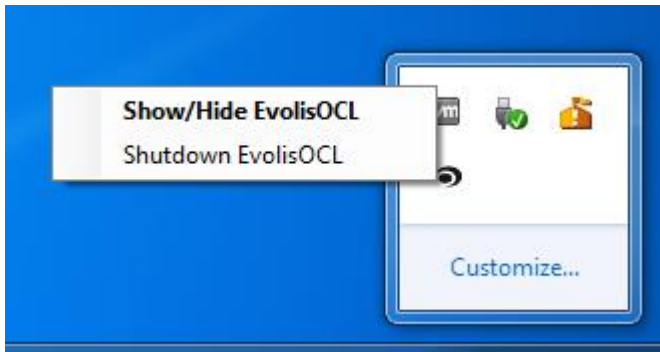
There are two available setup packages, one for 32 bits and another for 64 bits systems. In both packages are included the .net framework 4 and windows installer 3.1 setups since they are pre-requisites for the setup. After the setup execution the system needs to be restarted or the EvolisOCLConsole needs to be manually started, this application will be automatically started in the Windows startup.

The setup package will install the driver, all the tools and will create the virtual printer.

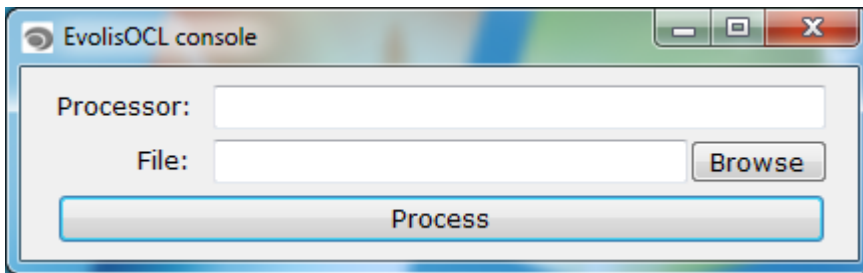
Evolis OCL tools description

EvolisOCLConsole

This tool runs minimized and is possible to show it or end it using its tray icon menu



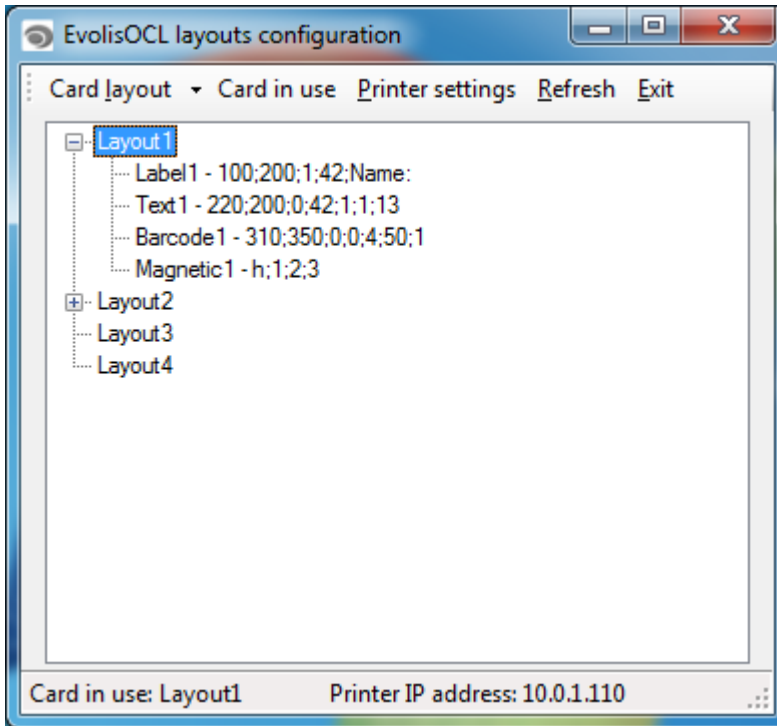
This interface is quite basic since it only does the interface between the virtual printer driver and the socket, and it's only useful for testing or debug purposes



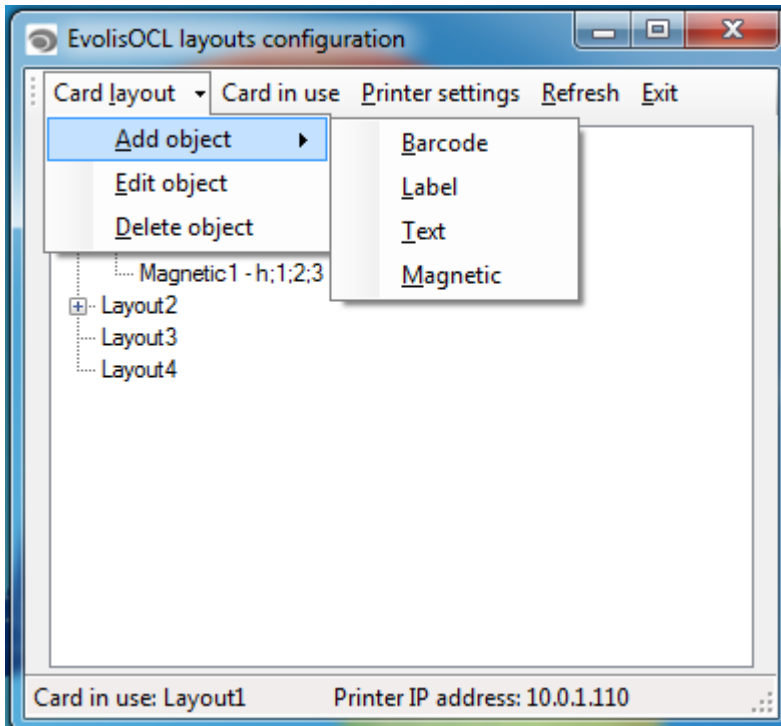
EvolisOCLLayouts

This tool is responsible to manage the card layouts, in the sample image below the card layout one was configured to print a name label and handle the data string below to encode the 3 magnetic stripe tracks and print a text object and a code 39 barcode.

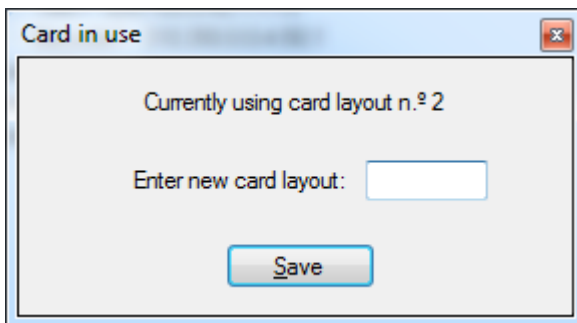
```
<  
Preston Olson  
#0123456  
|1ENCODING TEST|  
|289898989|  
|323232323|  
>
```



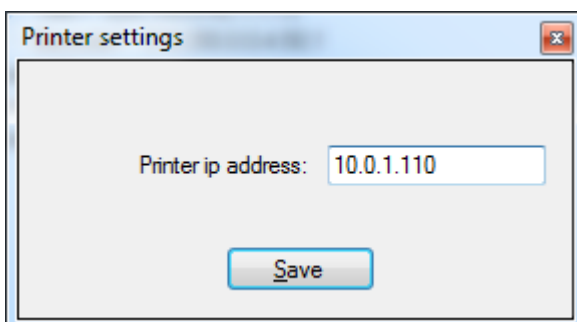
The "Card layout" menu is used to add, edit and delete the objects, like text, labels, barcodes and magnetic encoding.



The "Card in use" menu shows a dialog to define which card layout will be used in the next print jobs



The "Printer settings" menu shows a dialog to define the printer ip address



History release

1.0.0.0	2014/04/29	<ul style="list-style-type: none">• Initial implementation
1.0.1.0	2014/05/02	<ul style="list-style-type: none">• Bug fix: Added missing fields to the layouts initialization method
1.1.0.0	2014/07/14	<ul style="list-style-type: none">• New feature: Added support for magnetic encoding