

# MANAGE EVOLIS PRINTERS FROM YOUR OWN APPLICATIONS

The Premium SDK (Software Development Kit) allows the latest generation of Evolis printers to be fully managed from your own applications.

The Premium SDK, available through the Evolis Premium Suite, monitors your printers, whether standalone or networked, to provide best integration within your existing infrastructure.

## LEVERAGING THE PREMIUM SDK, YOUR APPLICATIONS CAN:

- Ensure full-fledged and simple communications with the Evolis printers:
  - Trigger a printing job (monochrome, color, single or dual-sided...)
  - Configure a printer
  - Encode a card
- Ensure real-time status notifications (printer and consumables) through the supervision service and visual alerts :
  - Printer ready, on standby, busy...
  - Low card level, card feeder to be stacked up, ribbon to be replaced, cleaning required...

## THE PREMIUM SDK MANAGES:

- A printer linked via USB and Ethernet
- A group of printers, across a network or via the Cloud

# SIMPLE & POWERFUL TOOL

## THE PREMIUM SDK, AN EFFICIENT AND USER-ORIENTED SOLUTION

It removes the complexity from producing cards and managing your base of printers. It offers:

- **Numerous integration options** with existing systems
- **Intuitive printer operations**, with user interaction when a maintenance task is required. Easy maintenance avoids wasting time between two printing jobs.
- **Getting started made easy for developers.** Start printing cards with minimum development workload:
  - Consistency: calling a function is consistent across all programming languages.
  - Simplified command sending: the widespread and easy-to-use JSON-RPC 2.0 protocol makes it possible to design a request using minimum code and with no dependencies.



# RELEVANT RESOURCES FOR GETTING STARTED EASILY

The Premium SDK serves developers willing to communicate with one or many Evolis printers from their own software environment, while leveraging the Evolis Premium Suite key features.

Several resources are made available:

- A quick start guide (first step)
- A clear and short programming reference guide
- A print settings guide (PrintSettingsGuide.pdf)
- Code samples for common programming languages (C#, C++, Python, VB.Net et Java), for:
  - Connecting to the ESPF (Evolis Service Provider Framework) server
  - Sending a request (encode, print in single or dual-sided mode, in color or monochrome...)
  - Reading and interpreting the server's response

- A set of requests (in .txt format) for the most common use cases
- A command line tool, for testing requests to be sent (ESPF request tool)
- A demo program in C# for getting started with the Premium SDK, through sending simple request using existing code samples.
- A FAQ (Frequently Asked Questions)

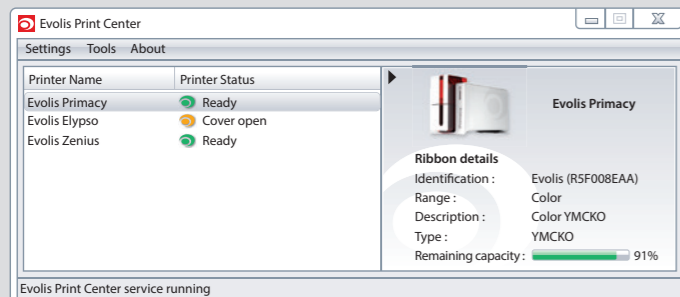
# BASED ON THE EVOLIS PREMIUM SUITE

The Evolis Premium Suite, a full-fledge software platform for managing and monitoring printers, provides an enhanced user experience and makes user-machine interactions more intuitive.

Most features offered by the Evolis Premium Suite can be controlled from the Premium SDK.

## EVOLIS PREMIUM SUITE - HIGHLIGHTS

- A print center for monitoring printers and gaining visibility on the printer status: remaining ribbon capacity...
- A powerful configuration tool for printers
- A notification center, for alerting users when an intervention is necessary
- An administration and maintenance platform for printers
- Wizards to guide users in performing cleaning, encoding...
- An encoding station (magnetic...)
- A troubleshooting tool and a SDK for large projects and systems integrators



# MODULAR OPERATIONS

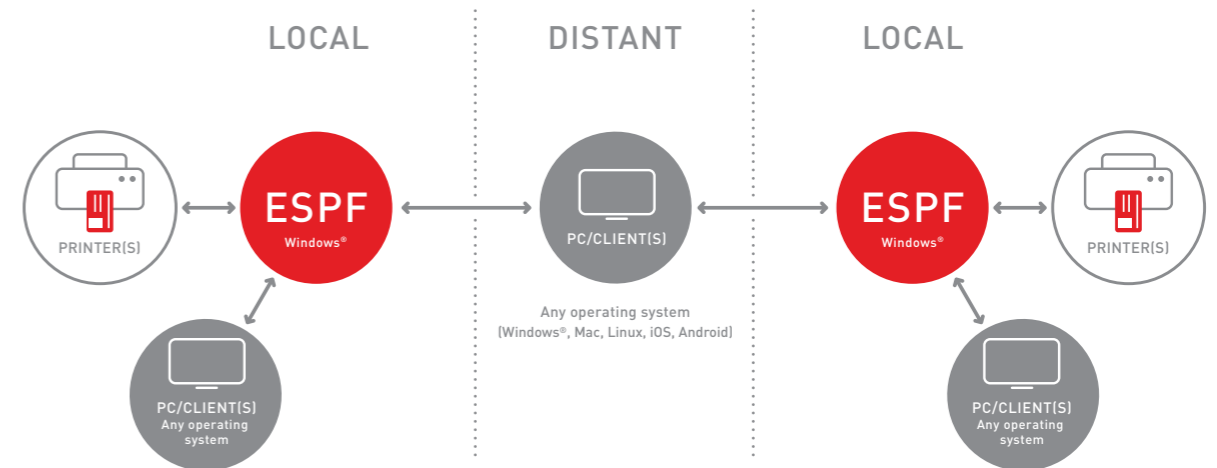
The new ESPF\* is a service provider interfaced with the Evolis Premium Suite, for accessing most features, regardless of the interface used:

- **Print service:** for direct card printing, bypassing the Windows® print spooler
- **Settings service for a printer:** for reading, editing and exporting all printing settings.
- **Supervision service:** for managing the printer status.

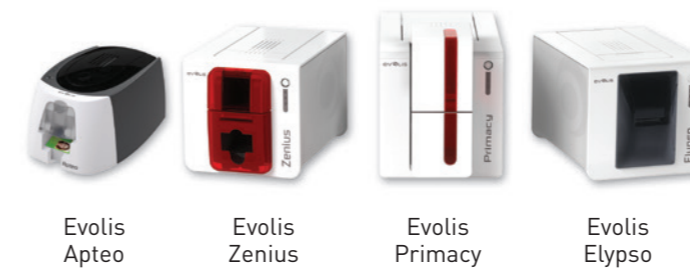
- **Command service:** for direct communication with the printer and receiving binary status.
  - **Add-On service:** for using third-party software (encoders...)
  - **Echo service:** for checking the link to the ESPF server
- This service breakdown structure makes it easier to get familiar with the Premium SDK and operate it, as it provides guidance regarding the key use cases (printing a card, sending commands to the printer...)

## \*WHAT IS THE ESPF (Evolis Service Provider Framework)?

The ESPF is a service provider installed on a desktop for local (USB or Ethernet) communication with one or several printers. You may also communicate with your printers from any desktop or client, via a local network or the Cloud.



# SUPPORTED PRINTERS



## TECHNICAL REQUIREMENTS

- **Development languages:** any type of language supporting TCP/IP socket communication (C, C#, C++, VB.Net, Java, Delphi, php, Python...)
- **Operating systems:**
  - Evolis Premium Suite host computer: Windows® XP SP3, Vista, 7, 8 & 10
  - Premium SDK clients: any operating system (Windows®, Mac, Linux, iOS, Android...)

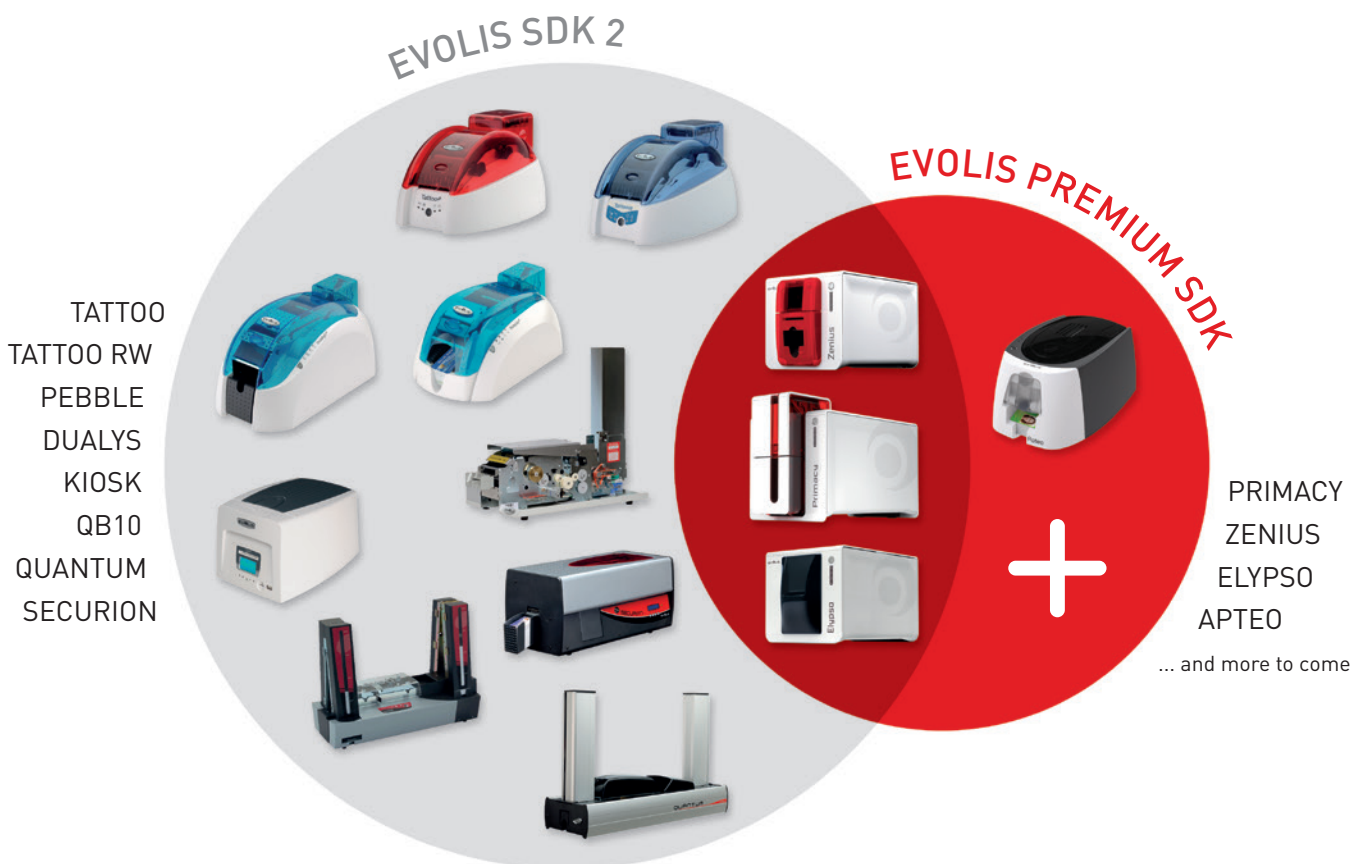
## SDK 2 AND PREMIUM SDK

The Premium SDK is not a replacement for the SDK 2\*, which remains available for download, compatible with all Evolis printers and is supported and maintained by Evolis.

If your installed printer base is managed using the Evolis SDK 2, you may choose to keep your current configuration.

Migration from the SDK 2 to the Premium SDK is recommended for the latest generation of Evolis printers, and if you would like to benefit from the features offered by the Evolis Premium Suite (in particular the supervision service).

For advice and assistance on how to customize your specific application, please contact Evolis Services.



\*SDK 2 refers to the SDK 2.1 and above [2.x]

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