



evolIS

Identify what matters



# Evolis SDK

How to create custom design

Table of Contents

Abstract .....3

Prerequisite.....3

Technical limitations.....3

Testing thanks to the demo tool .....3

Conversion Workflow .....4

Disclaimer.....5

## Abstract

This documentation demonstrates how to create a custom image using the base64 conversion tool and how to insert your design in the JSON request.

## Prerequisite

One computer with an Evolis driver suite installed in standard or supervision mode (EvolisPremium Suite, Evolis premium suite 2, Edikio Printer Suite, Badgy Premium Suite).

Pay attention to name your printer (designed as "Device" in the request) as it is instantiated on the server ( Ex : Evolis Zenius ( Copy 1 ) ).

## Technical limitations

Evolis Services Provider API is only available on Windows operating System for the server side.

Client must be compatible with JSON RPC V2.00 specifications.

## Testing thanks to the demo tool

To test the requests set, possibly use the demo tool [here](#) (click on 1.demo.exe)

select your communication mode in the first section . Copy / paste requests one by one sequentially (the expected results / answer shows up in the lower pane of the demo application).

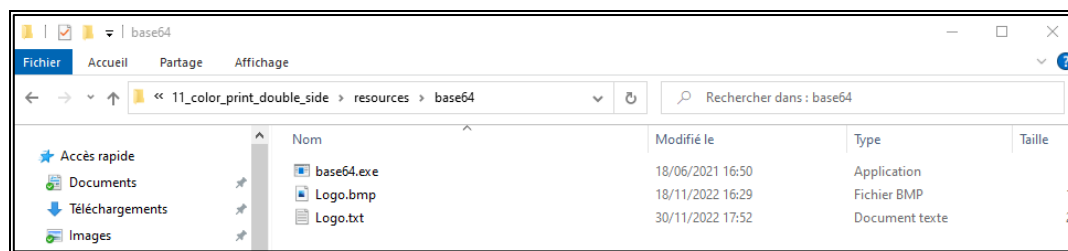
## Conversion Workflow

In this document, we present the conversion workflow of a BMP type file into a base64 type file.

⚠ The image format **must be a BMP** type file! ⚠  
Other file types are not supported by the base64 executable.

Each request that contains a printing session has the necessary resources to convert an image into the desired file type. All files are stored in the “resources/base64” folder.

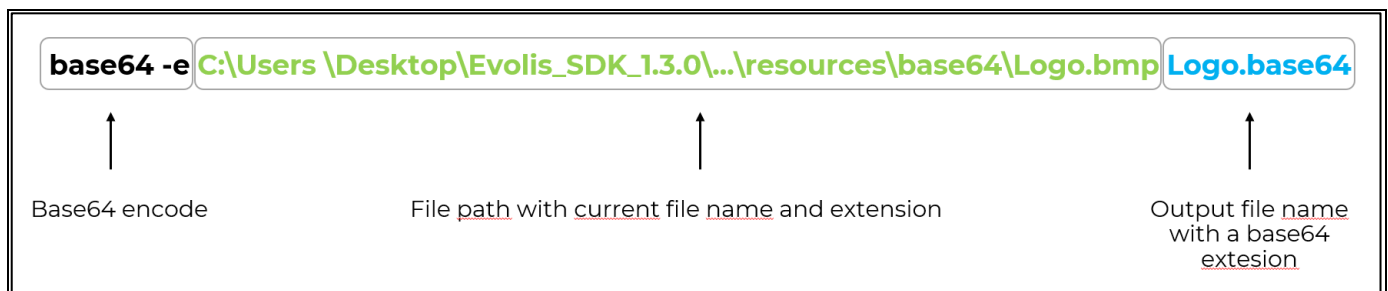
After finishing the card design, the first step is saving the desired file as a **.bmp** file and copying it into the base64 folder where the executable is found. In the image below the desired file is saved with the name “Logo.bmp”.



By using the command window, introduce the following command:

```
base64 -e (file path) New_file_name.base64
```

For the example mentioned above the code is:



To avoid typing the file path, the image can be dragged and dropped in the command window.

Next, the name of the output file ending with the base64 extension needs to be written and then press enter. The newly created file will appear in the folder.

The code generated can be copied and placed in the JSON request needed (any request type “setBitmap” located in the monochrome or color print session).

# Disclaimer

While Evolis makes every effort to deliver high quality products, we do not guarantee that our products are free from defects. Our SDK, samples and demo software, any content or documentation delivered in this package (Evolis SDK) is provided "as is". The use of it is at your own risk.

Evolis makes no warranties as to performance, merchantability, fitness for a particular purpose, or any other warranties whether expressed or implied.

No oral or written communication from or information provided by Evolis shall create a warranty.

Under no circumstances shall Evolis be liable for direct, indirect, special, incidental, or consequential damages resulting from the use, misuse, or inability to use this Software Development Kit (named Evolis SDK), even if Evolis has been advised of the possibility of such damages.