

Primacy 1 → Primacy 2

What are the SDK changes?

This document addresses the changes for integrating a Primacy 2 (P2) when a Primacy 1 (P1) has already been integrated. The following is a list of the points covered:

- EPS
- EvoCom
- IoMem.dll
- EvoPrn
- EvoSettings
- JSON API Requests (PremiumSDK)
- EvoSdk1Lib1.dll

EPS

As part of the Primacy 2, a new software suite has been developed. The Primacy 2 does not work with EPS1 (versions <= v6) but with EPS2 (versions >= v7).

EPS2 only works with Primacy 2 and future machines.

These two suites can coexist but to work properly the EPS1 version must be >= v6.36.0.1678 (this version must be deployed before EPS2).

Summary of changes:

	EPS1	EPS2
What is the default installation folder?	C:\Program Files\Evolis Card Printer	C:\Program Files\Evolis Card Printer 2
What is the minimum version for cohabitation?	v6.36.0.1678	v7.0

EvoCom

EvoCom is a command line tool to communicate with an Evolis printer: send commands, update the firmware.

EPS1 **EvoCom** relies on **IoMem.DLL**. It is necessary to always have **EvoCom** and **IoMem.DLL** side by side.

EPS2 **EvoCom** uses **LibEvolis**. This library is integrated in **EvoCom** which allows to have a binary without dependence.

Summary of changes:

	EPS1	EPS2
Where to find EvoCom?	<RACINE>\Evolis Premium Suite\Tools\EvoCom.exe	<RACINE>\Evolis Premium Suite 2\tools\evocom.exe
What are the dependencies?	<RACINE>\Evolis Premium Suite\Tools\iomem.dll	-
Does EvoCom works with P2?	Yes	Yes
Does EvoCom works with P1?	Yes	Yes

IoMem.dll

With EPS1, **IoMem.DLL** was the low-level component allowing communication with an Evolis printer. This library works under Windows only.

With EPS2, this component has been replaced by **LibEvolis** which is a multi-platform, multi-printer component that offers other functionalities in addition to low-level communication.

IoMem.DLL is not installed with the EPS2.

IoMem.DLL provided in EPS1 is compatible with Primacy 2.

Summary of changes

	EPS1	EPS2
Where to find IoMem.dll?	<RACINE>\Evolis Premium Suite\iomem.dll	-
Does IoMem.dll work with P2?	Yes	-



EvoPrn

EVOPRN is a command line tool that allows to encode and/or decode an Evolis print file ("**PRN**" file).

The **EVOPRN** of the EPS2 has evolved to be able to use the improvements linked to P2: YMCKOO, RW, accelerated printing mode.

It is possible to use **EPS1/EVOPRN** (EvoPrn of EPS1) for a P2 but in this case the P2 software enhancements will not be accessible. The P2 will be used as a P1.

Summary of changes:

	EPS1	EPS2
Where to find EvoPrn?	<RACINE>\Evolis Premium Suite\Tools\EvoPrnTool.exe	<RACINE>\Evolis Premium Suite 2\tools\evoprnr.exe
Does EvoPrn works with P2?	Yes*	Yes
Does EvoPrn works with P1?	Yes	Yes

* In this case the new P2 features are not available.

EvoSettings

EVOSETTINGS is a command line tool to read or modify the driver's print settings.

The tool provided in the EPS1 is not compatible with the P2. Similarly, the tool provided in the EPS2 is not compatible with the P1.

Both tools work in the same way. They have the same options. There is one difference though: with EPS1 the parameter description is stored in the **MODEL/<PRINTER-MODEL>/SETTINGS.XML** folder. With EPS2 the parameter description is embedded in the binary.

Summary of changes

	EPS1	EPS2
Where to find EvoSettings?	<RACINE>\Evolis Premium Suite\Tools\EvoSetting.exe	<RACINE>\Evolis Premium Suite 2\tools\evosettings.exe
Dependency on IOMEM.DLL?	Yes	No
Dependency on the MODEL folder?	Yes	No
Does EvoSettings work with P2?	No	Yes
Does EvoSettings work with P1?	Yes	No



JSON API Requests (PremiumSDK)

The **PREMIUMSDK** allows the printer to be controlled (communication, printing) via JSON API requests. These APIs are provided by a software: Evolis Services Provider (for the EPS1) or Evolis Services Provider 2 (for the EPS2).

The general functioning, the API entry points and the various possible errors have not changed. However, some changes have been necessary:

Service configuration file:

The service configuration file has been renamed; some keys have changed:

	EPS1	EPS2
Configuration file name	<RACINE>\Evolis Premium Suite\ESPFSvc.properties	<RACINE>\Evolis Premium Suite 2\bin\evoservice.properties
Default PIPE value	ESPFServer00*	Espf2Server00*
Default TCP port value	18000*	18200*
Key to activate the request log	ESPFSERVICE.logrequest	RequestServer.logrequest
Key to configure the TCP port	ESPFServerManager.port	RequestServer.tcpport
Key to start the TCP server	ESPFServerManager.enabletcpstart	RequestServer.tcpenabled
Key to setting up the PIPE	ESPFServerManager.serveraddress	RequestServer.pipeaddr
Key to stop the PIPE server	ESPFServerManager.disablepipeserver	RequestServer.disablepipeserver
Keys to configure the addon folder	ServiceAddOnManager.addondir and ServiceAddOnManager.isrelativeaddondir. If <i>isrelativeaddondir</i> is « true » then the addondir key contains a relative path. Otherwise, it is an absolute path.	Only the key <i>ServiceAddOnManager.addondir</i> which can contain an absolute or relative path. The key <i>ServiceAddOnManager.isrelativeaddondir</i> is then ignored.

* Values changed to avoid conflicts between EPS1 and EPS2. Caution, if P1 and P2 on the same station, a different PIPE or PORT will have to be used for each model.

Renamed status:

The following status have been renamed:

	EPS1	EPS2
Empty feeder	WARNING, FEEDER_EMPTY ERROR, FEEDER_EMPTY	WARNING, DEF_FEEDER_EMPTY ERROR, ERR_FEEDER_EMPTY
End of ribbon	WARNING, RIBBON_ENDED ERROR, RIBBON_ENDED	WARNING, DEF_RIBBON_ENDED ERROR, ERR_RIBBON_ENDED
End of film (laminator)	WARNING, LAMINATE_END ERROR, LAMINATE_END	WARNING, DEF_LAMINATE_END ERROR, ERR_LAMINATE_END

EvoSdk1Lib1.dll (lib FANGDIAN)

This C++ library for Windows (DLL) allows communication with the printer via the **PREMIUMSDK** (JSON API). This library is compatible with the Primacy 2.

Caution, when connecting, the user must specify the correct PIPE (**ESPF2SERVER00**).



Conclusion

A customer who wants to switch from a P1 to a P2 (or mix the two) will have to install the new EPS2 suite and will have to make sure he has the correct version of his EPS1 suite (see [EPS](#)).

A customer who is using **EvoCom**, **EvoPrn** or **IoMem.DLL** will be able to keep the same tools that he already used. If they wish to use the new P2 features, they will have to use the **EvoPrn** of EPS2.

The PSDK API is basically the same. Some states have changed (see [Renamed Status](#)).

The pipe is different to avoid conflicts between the two suites. The service configuration file has been updated (see [Service Configuration file](#)).

