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Migrating from IPS10 to IPS11

Revision History

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1. Introduction

This technical note summarizes the main differences between IPS10 and IPS11 and the good practices when migrating an IPS10 solution to an IPS11 solution.

Please read carefully the installation and activation as well as the user guides for correct installation and setup of the software. Please also note that the hardware running it and the anti-virus exclusions are key for proper IPS operations.

The migration to IPS11 should be straightforward. It will not be like migrating a solution from IPS9 to IPS10.

IPS11 is based on the same architecture and technologies than IPS10, so it is fully backward compatible in most of the cases. An IPS10 project can be used in IPS11 with no or minor modifications.

2. IPS10 – IPS11 Differences

2.1 32 vs 64bit application

IPS11 is a 64 bit application whereas IPS10 is a 32 bit application.

This has a few impacts:

- IPS 11 is not compatible with 32 bit Operating Systems.

- When using data sources or databases (input and output), 64 bit drivers must be used.
    - For instance, if you work with an ODBC drivers, it must be a 64 bit driver. You can read the technical note on this subject.

2.2 Installation

The installation is similar to the one of IPS10. You can follow the installation and activation guide to successfully install IPS11.

The 2 products are independent, this means that they can be installed on the same machine.

However, it is not recommended to use both applications at the same time. This is why a special mechanism is preventing you from starting both at the same time. If one is not starting, simply stop the other one and it will start.

Don’t forget to correctly setup the antivirus with appropriate exclusions when required.

With some antivirus, it is recommended to stop them when installing and activating IPS.

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2.3 Activation and revocation

The activation and revocation are similar to IPS10.

You need a code similar to this code *58ae65ed-e7b9-4d4f-8ab1-a5b832b621cd* in order to activate IPS.

You can also activate manually via our online 24/7 activation portal.

Follow the appropriate documentation to activate or revoke your product.

Although the activation codes are similar to IPS10, they are not compatible.

Since IPS10 and IPS11 are different products, an activation code for IPS10 will not work in IPS11 and vice versa.

To run IPS11 on a machine, you'll need a new activation code for that product.

2.4 Project's backward compatibility

Every IPS10 project can be imported in IPS11. Except for projects based on the IPS10 invoice add-on.

IPS11 will automatically do the required modifications to your projects when they are imported.

Importing an IPS11 project into IPS10 is not allowed.

After importing an IPS10 project into IPS11, you must:

- Verify the image processing in the Power Image Processing (PIP)
    - If you had conditions in the global operation, they will be removed. You then need to add again these image operations outside the PIP and enter the required condition.
- If you want to use a 32 bit scanner driver, you must manually delete the old source and add a new scanner32 source. You'll also have to redo the scanner driver settings and save them in the new scanner32 source.
- Verify that the binarization is giving expected results
- Verify your output connections (you may have to enter the credentials)
- Verify your output index mapping
- Set the activities to their appropriate groups when working in unattended mode or with the services
- Verify that your project is working as expected

All this is documented in the user guide.

2.5 Binarization

When there is no binarization in the image processing flow and when IPS requires a black and white image to extract data, IPS will automatically binarize the color image into a bitonal image.

In IPS11, the default binarization has been changed. It is now by default the adaptive binarization. This method is better than the previous one based on a threshold.

The adaptive binarization is a little bit slower than the threshold one. However, with the new Power Image Processing feature of IPS11, this is not significant as it was in IPS10. The threshold binarization as default in IPS10 was leading to wrong data extraction in IPS10, so now the new method will be better in 80% of the cases.

If your project needs data extraction, fingerprint, checkmark, or anchor, for a faster scanning, it is recommended to add the Binarize in the PIP and use the condition Image.IsBest in the Outputs (Export) to avoid any unexpected bitonal image in the result.

Make sure that you carefully review the way your project is setup to select the appropriate binarization for your solution.

The documentation will explain all this as well as how to deal with binarization with the Fingerprint feature.

2.6 Scripting

Due to our IPS security enhancement, the scripting feature has been changed.

Now the default functions in the scripts.cs are encapsulated in a DefaultScripts.dll. So you are not allowed to change or add function in the default scripts.

When importing an IPS10 project, the scripts.cs will automatically be converted into the dll. This means that all the modifications of this script will not be present anymore. You'll need to create a new script file with the required functions and add this file as a new script in the project. Please note that the name scripts.cs is not allowed anymore. You must use a different name. Don't worry, your custom scripts.cs will not be deleted, so you can use it to create the new script file.

Whenever a custom script is present in a project, IPS will ask the user to accept running this script. Once accepted by a user, that project will run the script on that machine for every IPS users.

If you don't trust the script and say no to trust the custom scripts, the project will still open and run but you will most likely end up with some errors, but at least the custom script will not be run.

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3. Legal Notice

3.1 *Copyrights*

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