



Processor



Upgrade



PROCESSOR > GUIDES

Upgrade to the new OCR and Office engines

PSPDFKit Processor 2023.1 comes with brand-new [OCR](#) and [Office conversion](#) engines, which are based on [GdPicture.NET](#).

New OCR and Office Conversion Engines

Our previous OCR engine was based on the [Tesseract](#) open source project, and we used [LibreOffice](#) as the core of our Office conversion tools. This allowed us to produce quality results, but we found it lacking in certain aspects due to the nature of these two fundamental dependencies that were powering it. The main issue with our OCR engine was the performance, which was only acceptable at best. In the case of Office conversion, our main pain point was that we were unable to effectively improve the conversion quality itself.

Both new engines bring improved performance and accuracy, with documents being processed more quickly and accurately. The OCR performance gain is especially considerable. We measured improved performance of up to 7× when compared to the previous engine — all while delivering the same or sometimes even better accuracy.

Usage of these new engines requires a license key update. If your license already includes OCR or Office conversion components, you qualify to get access to the updated engines for free. In that case, to enable them, retrieve the updated license key from the [PSPDFKit Portal](#) and update it in Processor's configuration.

If you encounter any changes in behavior or regressions that break your workflow, revert back to the previous engines with the following Processor [configuration options](#):



ASK AI

- ❖ `OCR_ENGINE` — The OCR engine defaults to `gdpicture`. Use `core` to revert to the old engine.
- ❖ `CONVERSION_ENGINE` — The Office conversion engine defaults to `gdpicture`. Use `libreoffice` to revert to the old LibreOffice-based Office conversion engine.



Usage of the old OCR and Office conversion engines is deprecated, and we'll drop support for them in a future version. Please submit any issues you encounter with the new engines to [Support](#).

Other Changes

For a complete list of changes in this release, see the [Processor changelog](#).

Was this helpful?

✓ YES

✗ NO

Questions? [Contact us](#)

