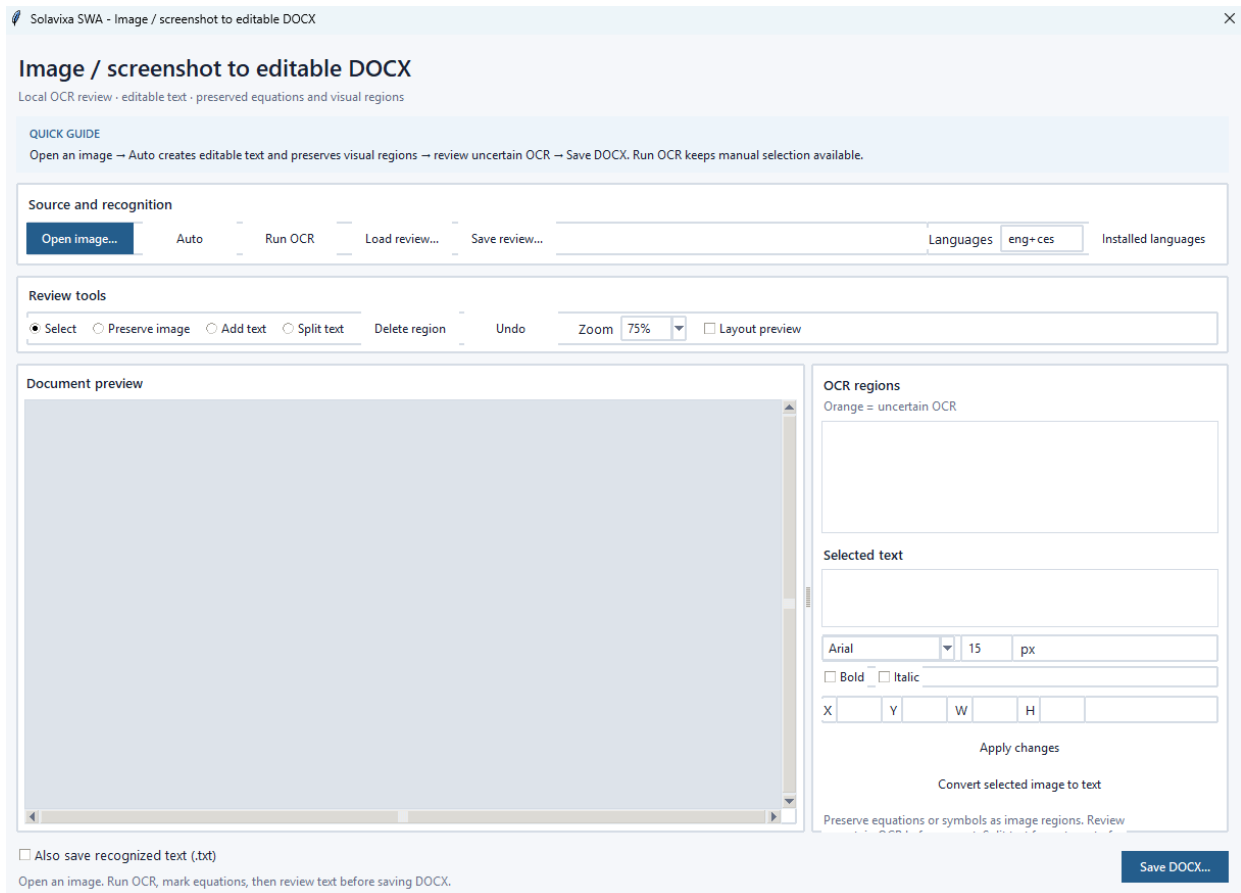


Image OCR to Editable DOCX

Solavixa Web Archive 2.1 - OCR User Guide

Convert screenshots and images into editable Word documents while preserving equations, symbols and other visual content from the original pixels.



Redesigned OCR editor in Solavixa SWA 2.1

Your first conversion

- 1 In the main SWA window, click Image / screenshot to DOCX....
- 2 Click Open image... and select a clear PNG, JPEG, WebP, BMP or single-page TIFF.
- 3 Check the OCR languages. English uses eng; Czech uses ces. Mixed documents can use eng+ces.
- 4 Click Auto for the recommended hybrid text/image proposal.
- 5 Review spelling, equations, crop boundaries and formatting.
- 6 Click Save DOCX..., choose a destination and inspect the result in Word.

Local OCR. Tesseract OCR and the selected language data must be available. Recognition is performed locally; no online OCR account is required.

The OCR window

The redesigned editor keeps recognition, review and export controls visible in one workflow.

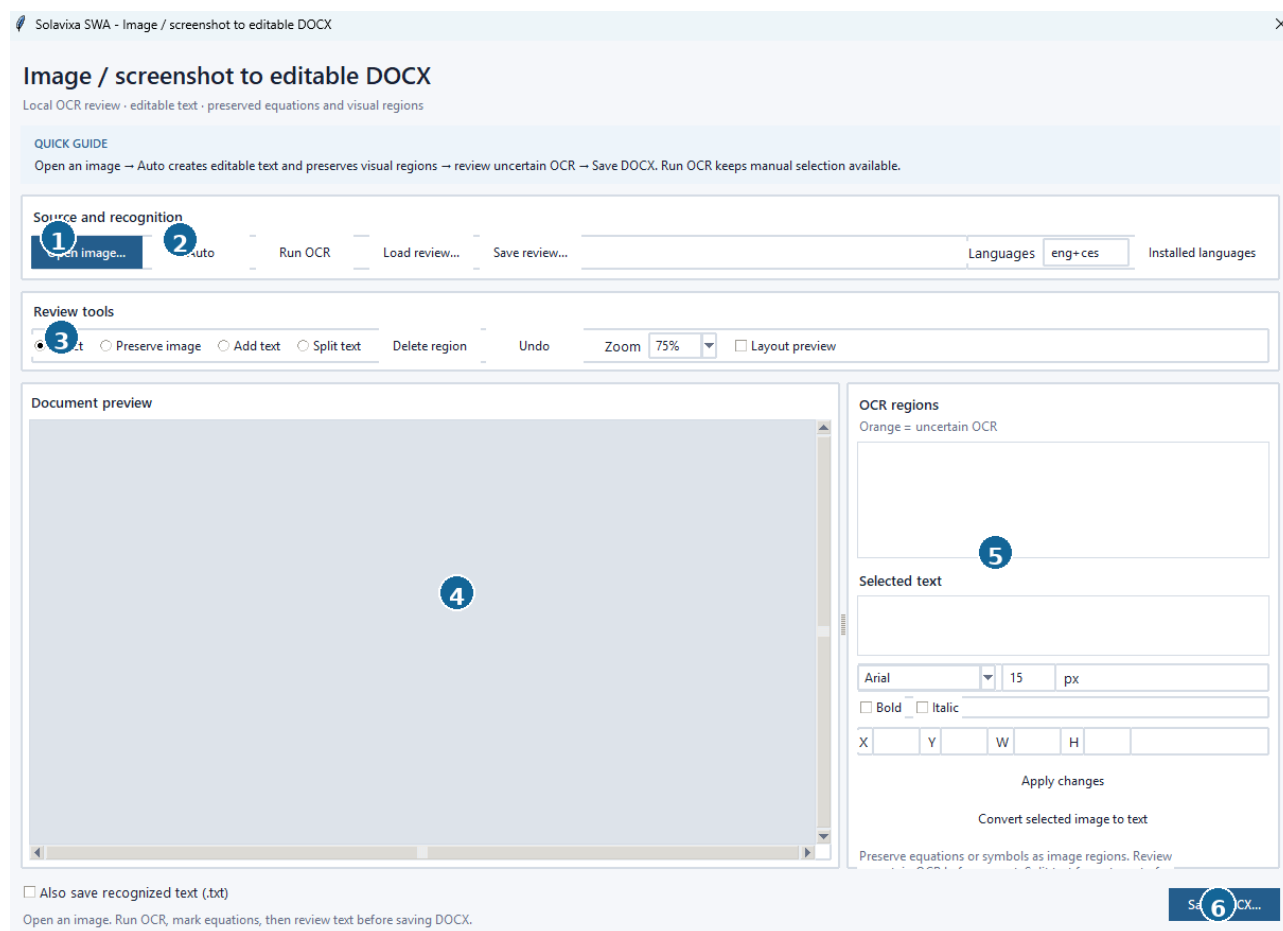


Figure 1. SWA 2.1 OCR editor. Numbered markers correspond to the areas below.

Area	Purpose
1 - Open image	Load one source image.
2 - Auto / Run OCR	Auto proposes text vs. preserved visual regions; Run OCR leaves more classification decisions to you.
3 - Review tools	Select, Preserve image, Add text, Split text, Delete region, Undo, zoom and Layout preview.
4 - Document preview	Inspect the source, scroll through long images and select detected regions.
5 - OCR regions and Selected text	Review classification reasons, edit text and formatting, and adjust geometry.
6 - Output controls	Optionally save recognized TXT and export the final DOCX.

Auto OCR and recognition modes

Auto - recommended starting point

Auto recognizes text and proposes which content should remain editable and which should remain original image pixels. It evaluates OCR confidence, mathematical notation, symbol-like content, color, graphics, rules and unrecognized visual material.

- Display equations and framed formulas can be preserved as complete image regions.
- Ordinary text remains editable whenever recognition is sufficiently reliable.
- Uncertain content can remain original image pixels instead of guessed text.
- Suspicious relation-like symbols can be preserved as small image regions when a text guess is risky.
- Overlapping visual fragments can be merged to reduce duplicate crops.
- A small crop safety margin helps reduce clipped thin borders and framed expressions.

Run OCR

Run OCR recognizes text and straight rules without making the full Auto text/image proposal. Use it when you want to mark equations, symbols, icons or other visual regions yourself with Preserve image.

Languages

Click Installed languages to see what Tesseract can use. Select only installed language codes. For Czech documents, ces is required; for English, eng is required. Mixed documents can use both. Language order may not change every OCR result, so manual review remains important.

Quality note. OCR can be confidently wrong. Auto is a reviewable proposal, not a guarantee of semantic correctness.

Review and correct

Every Auto decision can be changed before export.

Correct recognized text

Choose Select, click the region or its list entry, edit Selected text, adjust font/size/bold/italic if needed, and click Apply changes.

Change text vs. image decisions

- A formula became text: choose Preserve image and drag around the complete formula. Include exponents, subscripts, labels and the full frame.
- Ordinary text became an image: select the image region and click Convert selected image to text. If the result is worse, click Undo.
- A region is missing: use Add text to draw a new editable area and enter its contents.
- A region is unwanted: Delete region removes it; Undo can restore it.

Adjust formatting and boundaries

Use Split text near a word boundary to divide a text region. X and Y set position; W and H set width and height in source pixels. Font size is shown in image pixels, not Word points.

Region colors and review status

Preserved images are outlined separately from text. Orange entries indicate uncertain OCR or fragments that need review. The currently selected region is highlighted. Correct or delete flagged fragments before export when SWA asks for review.

Save, continue later and export

File	What it stores
DOCX	Finished Word document with positioned editable text, original image crops and supported borders.
TXT	Optional text from editable regions in reading order. Image-only equations and symbols are not transcribed.
.swa-ocr.json	Saved review containing selections and edits. The source image itself is not embedded.

Save a review

Click Save review... and keep the file together with the original image. To continue later, open the same image first and then click Load review.... SWA checks the source-image fingerprint before loading the review.

Export DOCX and optional TXT

Enable Also save recognized text (.txt) if you want plain text in addition to DOCX. Click Save DOCX... and choose the destination. The dedicated image editor creates its DOCX independently of the main web-archive output checkboxes.

How the Word document behaves

- Text is editable inside positioned frames so the source layout can be retained.
- Preserved regions remain original image crops and are not editable native Word equations.
- Straight rules can be represented as Word borders where supported.
- Long images are paginated to A4.
- Preserved equations are kept together across page breaks where possible.
- A small crop margin helps reduce clipping, but Word can render borders and spacing slightly differently from the preview.

Troubleshooting and useful limits

What you see	What to do
Tesseract was not found	Make the Tesseract OCR engine available through the SWA setup or system path, then reopen the editor.
A requested language is missing	Choose a listed language or install the required language data. Czech requires ces; English requires eng.
Words or accents are wrong	Use the correct language data, rerun if useful, then correct remaining text in the review panel. Higher-resolution sources usually help.
A formula or symbol looks wrong	Preserve the complete expression as an image. Include indices, exponents and borders.
A relation symbol is misread	Auto can preserve suspicious relation-like symbols, but if a character is still wrong, preserve that symbol/expression manually.
Too much text became an image	Select the image region and use Convert selected image to text. Undo if the retry is worse.
A framed region looks too tight	Expand the preserved region manually and export again. Exact Word rendering can differ slightly.
The review will not load	Open the same original image used to create the review. Cropping or modifying the image changes its fingerprint.
Layout differs in Word	Check the saved DOCX itself, adjust region geometry/font/crop boundaries, then export again. Layout preview is approximate.

Useful limits

- Use one image at a time. Separate multi-page TIFFs or animated images before import.
- Images above the supported size limit should be split into smaller files.
- Content already cropped out of the original image cannot be recovered.
- Running Auto or Run OCR again replaces the current regions after confirmation. Save a review first when you need a reusable checkpoint.

Final reminder. Review ordinary text as carefully as equations. OCR can produce plausible but incorrect characters even at high confidence.

Solavixa SWA 2.1 | OCR User Guide

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