

Image OCR to DOCX

Solavixa Web Archive Studio 1.1

Convert a screenshot into editable text with preserved mathematical and visual content.

What the result contains

Recognized text remains editable. Equations, symbols, emoji and other preserved regions are inserted as image crops. Straight lines can be recreated as Word borders.

Your first conversion

1 Open the image editor

In the main SWA window, choose **Image / screenshot to DOCX...** in the input section. This opens a separate conversion window.

2 Choose the source image

Click **Open image...** and select a PNG, JPEG, WebP, BMP or single-page TIFF file. Use the clearest available original.

3 Choose the OCR languages

Click **Installed languages** to see available languages. Use **eng** for English, or **eng+ces** for English and Czech when both are installed.

4 Run Auto

Click **Auto**. SWA recognizes text and proposes which regions should remain images. Wait for processing to finish.

5 Review the result

Check spelling, equations, image boundaries and formatting. Use the correction tools described on page 3.

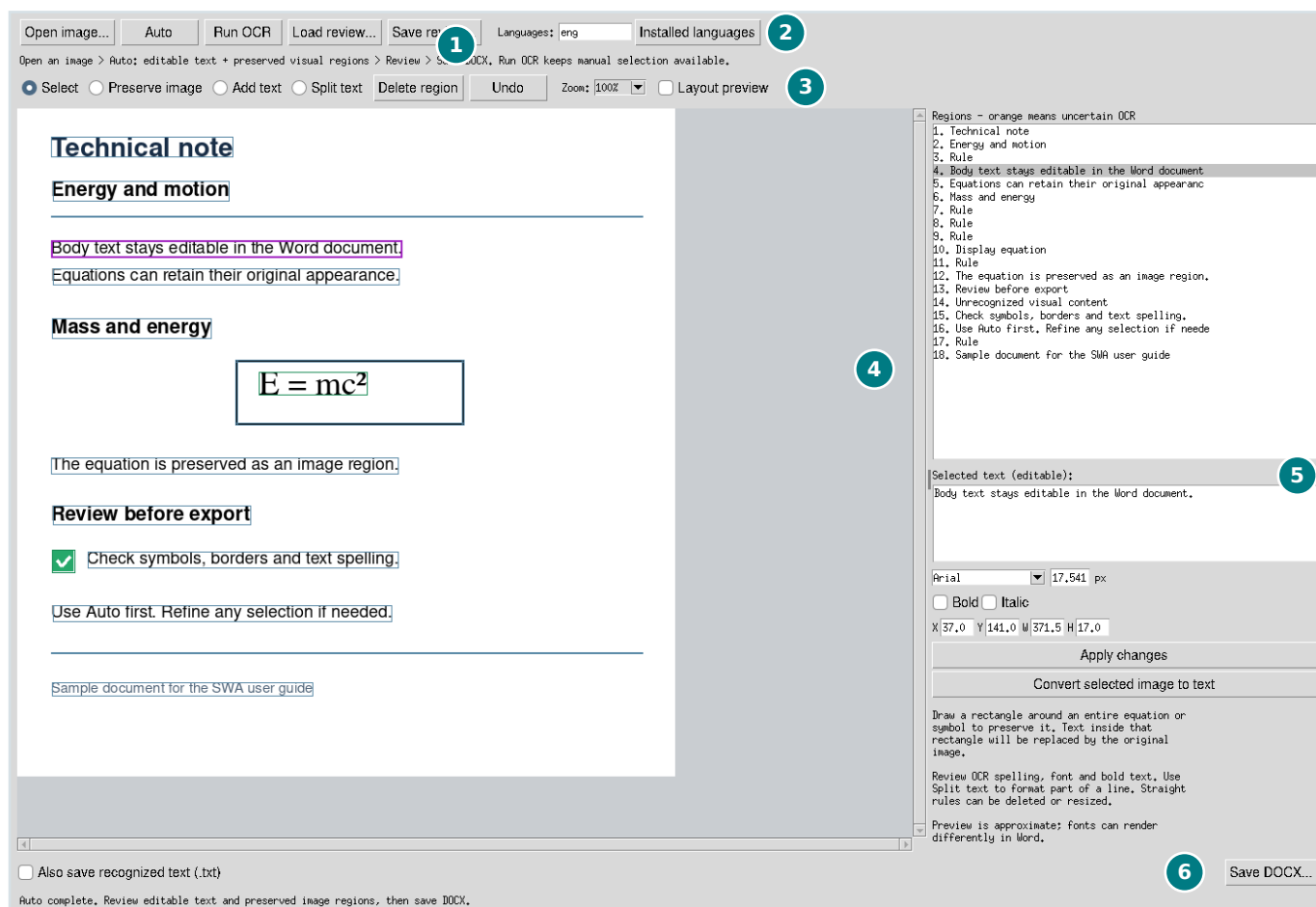
6 Save the Word document

Click **Save DOCX...**, choose a file location and wait for confirmation. Open the saved document in Word and check the final layout.

Before you start: the local Tesseract OCR engine and the language data you select must be available. OCR processing runs locally; no online OCR account is required.

The OCR window

A working example after Auto has identified editable text and visual regions.



Actual OCR editor shown with a sample document. Window styling may differ on Windows. Zoom into this PDF for a closer view.

1 Source and recognition

Open image, Auto, Run OCR, and saved reviews.

3 Region tools

Select, Preserve image, Add text, Split text and Undo.

5 Review panel

Select a region; edit text and formatting; Apply changes.

2 Language selection

Select installed language data before recognition.

4 Image workspace

Inspect regions, scroll, zoom and switch Layout preview.

6 Output controls

Save DOCX and optionally save recognized text as TXT.

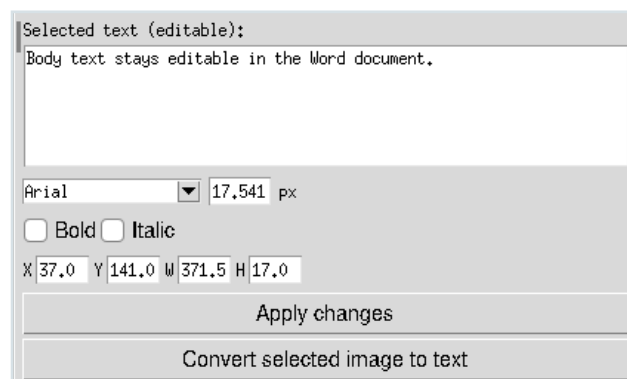
Review and correct

Auto is a starting point. You can change every text or image decision before saving.

Auto proposes both text and image regions. **Run OCR** recognizes text and straight lines; you then mark equations and other visual regions manually.

Correct a word

Choose **Select**, then click the region or its entry in the list. Edit **Selected text (editable)**, adjust formatting if needed, and click **Apply changes**.



Choose text or an image

A formula was converted into ordinary text: choose **Preserve image** and drag a rectangle around the complete formula. Include exponents, subscripts, labels and the entire frame. Review any neighboring text affected by the selection.

Ordinary text was kept as an image: select that image region and click **Convert selected image to text**. Review the new text. If the result is worse, click **Undo** to restore the image.

A region is missing or unwanted: use **Add text** to draw a new text area, enter its contents and apply the change. Use **Delete region** for an unwanted region; Undo can restore it.

Adjust formatting and boundaries

Use **Split text** and click near a word boundary to divide a text region. Select the resulting part and apply its own font, bold or italic formatting.

X and **Y** set position; **W** and **H** set width and height. Values refer to pixels in the source image. Font size is also shown in pixels, not Word points.

Region colors

Green outlines identify preserved images. Orange indicates uncertain OCR, and purple marks the current selection. Text fragments flagged for review after a manual crop must be corrected and applied, or deleted if unwanted, before export.

Save and continue later

Export the document when ready, or save your selections and corrections for another session.

File	What it stores
DOCX	The finished Word document: editable positioned text, original image crops and supported borders.
TXT	Optional text from editable regions, in reading order. It contains no page layout and does not transcribe image-only equations or symbols.
.swa-ocr.json	A saved review containing region selections and edits. It is not a Word document and does not include the source image.

Save a review

Click **Save review...** and keep the resulting file together with the original image. To continue later, open the same image first, then click **Load review...** SWA checks that the review matches the image.

Export DOCX and optional TXT

Enable **Also save recognized text (.txt)** if you also want plain text. Click **Save DOCX...** and choose the destination. Successful export closes the image editor and updates the main SWA output buttons.

The dedicated image editor creates DOCX independently of the main web archive checkboxes. **OCR from web images (TXT)** belongs to web capture; it does not control this image-to-DOCX workflow.

How the Word document behaves

Text is editable inside positioned frames to retain the source layout. It does not reflow like a normal continuous Word document. Image regions preserve appearance but cannot be edited as native Word equations.

Long images are arranged on A4 pages. Preserved equation regions are kept together where possible, and oversized regions may be scaled. Page count and font appearance can differ from the editor preview.

Before sharing the result

Open the DOCX in your version of Word and inspect the text, frame boundaries and page breaks. Save review files separately if you may need to repeat or refine the conversion.

Troubleshooting

Use the source image and the review editor to resolve recognition or layout problems.

What you see	What to do
Tesseract was not found	Make the Tesseract OCR engine available through your SWA setup. Reopen the editor and check Installed languages.
A requested language is missing	Choose a listed language, or install the required Tesseract language data. Czech requires ces; English requires eng.
Words or accents are wrong	Select the correct language and rerun recognition if needed. Correct remaining errors in the review panel. Higher-resolution source images usually help.
A formula or symbol looks wrong	Use Preserve image around the complete expression. Include all indices, exponents and borders. Review the adjacent words.
Too much text became an image	Select the image region and use Convert selected image to text. Check the recognition and use Undo if necessary.
Export asks for review of a fragment	Select the flagged text fragment, correct it and click Apply changes. Delete it only if it contains no wanted text.
The review will not load	Open the same original image used to create it. A cropped or otherwise changed image may not match the saved review.
Layout differs in Word	Check the saved DOCX itself. Adjust source-region geometry, font or 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 30 megapixels must be split into smaller files. Content already cut off in the original image cannot be recovered.

Clicking **Auto** or **Run OCR** again replaces the current regions after confirmation. Save a review first if you want to keep a reusable copy of your work.

Quality reminder: Auto can misclassify content, and OCR can be confidently wrong. Review ordinary text as well as preserved equations before publishing or sharing the result.