

Existing Text Recognition solutions

Open-Source Solutions

- **Tesseract** <https://github.com/tesseract-ocr/tesseract>
 - Apache License
 - supports 116 Languages
 - sophisticated image pre-processing pipeline
 - most models support incremental training / fine-tuning
 - has third-party implementation for IOS / Android
- **CuneiForm / Cognitive OpenOCR**
 - Freeware / BSD licenses
 - supports 23 Languages
 - does text format scanning / identification
 - does document layout analysis

Payed Solutions

- **FileStack** <https://www.filestack.com/products/intelligence/>
 - tool includes multiple image manipulation / recognition tools
- **ABBYY OCR** <https://www.abbyy.com/>
 - mostly intended for document scanning
 - fast batch processing
- **Anyline OCR** <https://anyline.com/>
 - primarily mobile OCR
 - simple implementation on mobile devices
- ~~Microblink~~ **DeepOCR**
- **Google Cloud Vision API**
 - Provides OCR via Rest API
 - Pricing <https://cloud.google.com/vision/pricing#prices>
- **Amazon Textract API**
 - made for extracting text from scanned documents and PDFs
 - can recognize context of table and forms and extract information accordingly
 - accurate but slow
 - Pricing <https://aws.amazon.com/de/textract/pricing/>

- **Google MLKit** <https://developers.google.com/ml-kit>
 - machine learning for IOS and Android
 - probably most accurate and fastest on device OCR
 - provides text and position / layout data
 - Paper evaluating MLKit: <https://repositorio-aberto.up.pt/bitstream/10216/140694/2/545980.pdf> (evaluating v1)