# Limitations of Open-Source OCR Software versus OmniPage

# Accuracy ( )

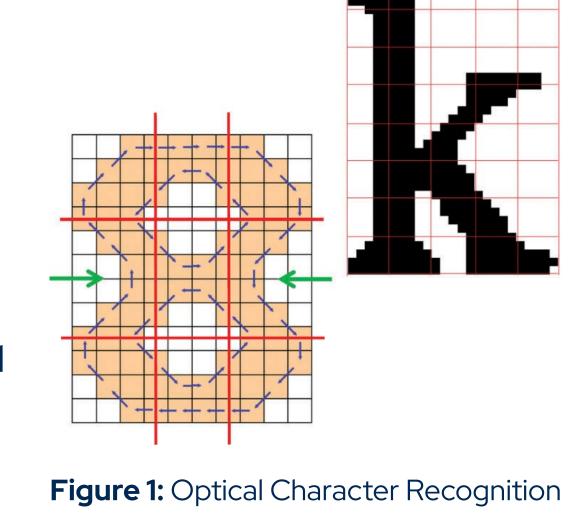
Generally, Open-Source OCR is not as accurate as more advanced commercial solutions. Open-Source OCR solutions

- typically either completely lack image pre-processing algorithms or require significant trial and error to implement pre-processing algorithms that work well for most documents. These include: Adaptive binarization (to deal
  - with shaded backgrounds) Deskewing (including 3D
  - deskewing for photographs). Adaptive binarization.
  - Adaptive resolution
  - enhancements.
- Open-Source OCR solutions are typically slower than commercial offerings.

## The OmniPage solution offers

**Key Takeaway:** 

a more feature rich offering as a whole in comparison to open-source.



is the process of recognizing images of characters and converting these into text. The OmniPage solution contains three separate (fully Tungsten owned) character classifiers. often match the aid didn't do, however, was apply for packages offered by financial aid—the Nagels incorcompetitors. Claire

automatically disqualify them-or ake out a student loan to cover ome of Debbie's mition costs. lays Kevin: "We realize that was a didn't do, however, was apply for financial aid-the Nagels incorrectly assumed that Kevin's

\$100,000-a-year income would

automatically disqualify them-or

take out a student loan to cover

ectly assumed that Kevin's

\$100,000-a-year income would

\$6,144 assistance package. often match the aid packages offered by competitors. Claire Matthews, vice president of enrollment at

Connecticut College, says

that last year one New

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Jersey couple called her

about Connecticut College's

of enrollment at

some of Debbie's tuition costs. Jersey couple called her Says Kevin: "We realize that was a about Connecticut College's mistake.") \$6,144 assistance package. Figure 2: Example of image pre-processing that improves the quality of input images

Novel Office Document Shredder with Undo Function

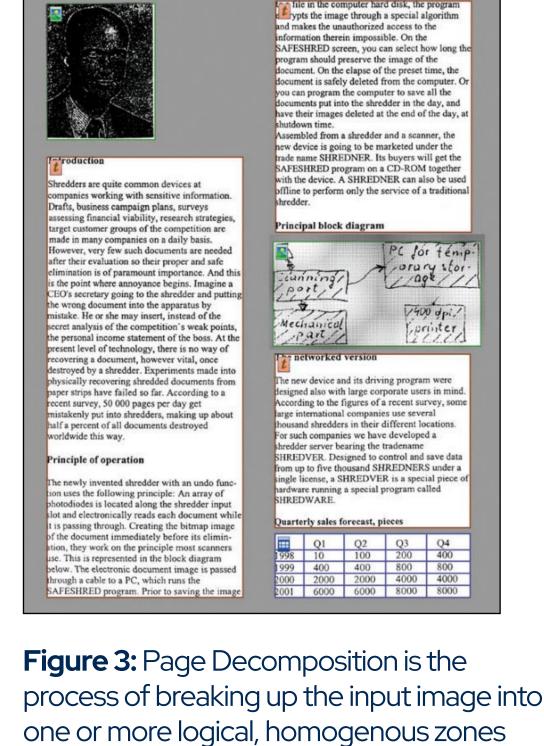
## Open-Source OCR does not

Support 55%

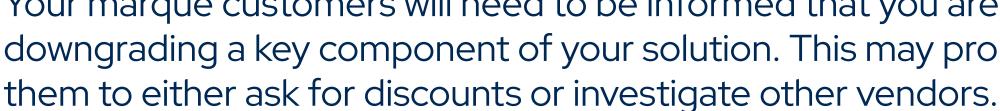
- offer any support. Any issues that arise become the responsibility of your development team. There is no design assistance offered with Open-Source OCR
- it is up to your development team to figure out how to best implement it. **Key Takeaway:**

#### Open-source won't give you any support. If issues arise they are

your problem, which requires more resources and needed supported. **Customer Success** 



#### Your marque customers will need to be informed that you are downgrading a key component of your solution. This may prompt



- Many of your competitors are using commercial OCR solutions, switching could put you at a competitive disadvantage. Change of OCR engines will increase your technical support calls. Things that worked before no longer function.
- **Key Takeaway:**
- A shift from OmniPage is a downgrade in the solution. The result? Added support calls plus opening the door for a competitive

### disadvantage.

Ripping out your current commercial the new Continental on for OCR solution and replacing it with a perfect fit. Open-Source will require significant

solutions fine-tuned to perform similarly to your current solution is a large task. You will need to invest resources into this project and may eventually discover that you cannot meet your customer's requirements with Open-Source. All of the invested efforts will have then been wasted.

With a rip and replace there are

added costs for development.

document there are necessary

To fine tune open source to your

resources required. OmniPage has

development effort. This effort

other aspects of your products.

could instead be spent improving

Getting Open-Source OCR

**Development Costs** 

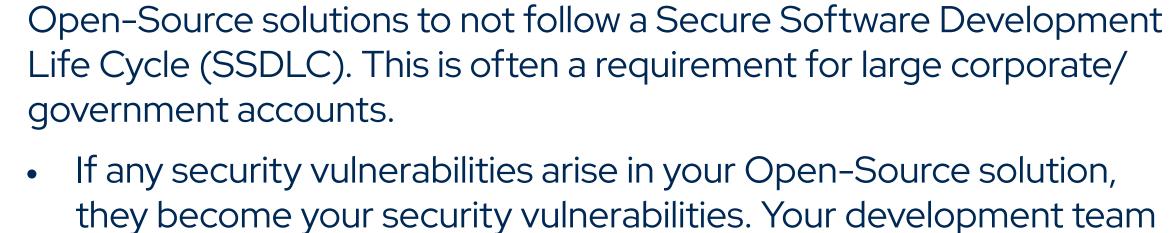
# the new Continental on for s a perfect fit.

Figure 4: As you can see, the image quality of the car is almost identical to the original and the text is even cleaner with Level 5 MRC compression.

## the experience in many use cases.

Security

**Key Takeaway:** 



will need to halt other projects so that they can address these issues. With a commercial offering, your OEM partner will take care of addressing any security issues that arise. **Key Takeaway:** 

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Open Source does not guarantee adherence to secure processes and is not held to any particular compliance. Any vulnerabilities are solely your responsibility which opens the door to many issues.

To learn more about the value OCR can add to your solutions, download our white paper,

**Tech Talk: How OCR Adds** 

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