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The #1 PDF Conversion Tool and SDK Available Today

Ghostscript powers SaaS document workflows with high-throughput conversion, aggressive PDF optimization, and reliable output quality.

Cloud-Ready PDF Conversion and Compression at Scale

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Ghostscript Solutions at a Glance

Server-side PDF generation pipelines

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Document archiving systems (PDF/A conversion)

Thumbnail/preview generation for document management systems

E-invoicing (ZUGFeRD/Factur-X)

Pre-press and print production workflows

Ghostscript

Ghostscript is an interpreter for the PostScript® language and PDF files. Ghostscript consists of a PostScript interpreter layer and a graphics library.

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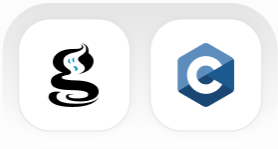
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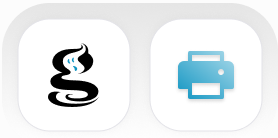
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GhostPDF

The new Ghostscript PDF interpreter, written entirely in C, is now enabled as the default. It is also available as a standalone, PDF only, binary.

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GhostPCL

GhostPCL is an interpreter for PCL™ and PXL files. This consists of an PCL/PXL interpreter built upon the Ghostscript graphics library.

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GhostXPS

GhostXPS is an interpreter for XPS (XML Paper Specfication) files. This consists of an XPS interpreter built upon the Ghostscript graphics library.

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GhostPDL

We've brought the entire Ghostscript family of products together which includes all four elements.

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Ghostscript and ZUGFeRD

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standards-based, automated e-invoicing workflows.

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Need Advanced PDF Extraction?

Check out MuPDF — the fast and lightweight solution for document parsing, compatible with Python, .NET, JavaScript, C#, and more.

Learn more

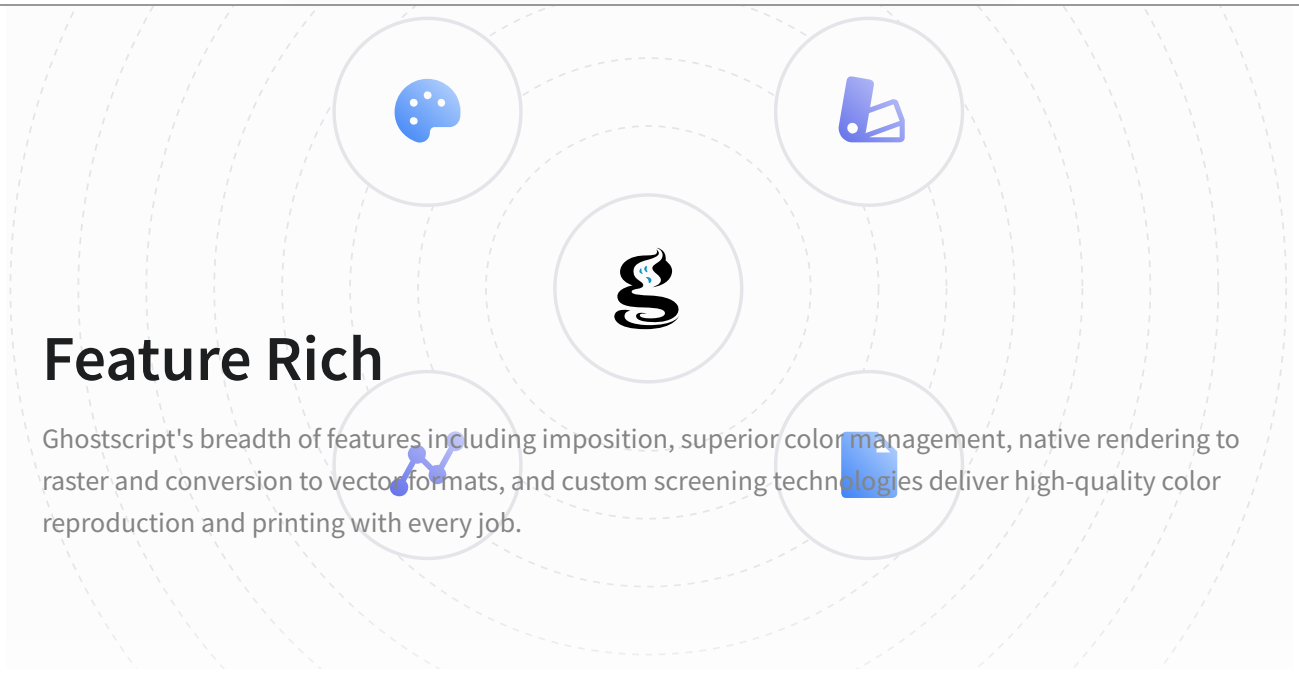
Flexible Integration Options

Ghostscript can be called as a standalone command line application, or can be integrated with your application directly as an SDK.

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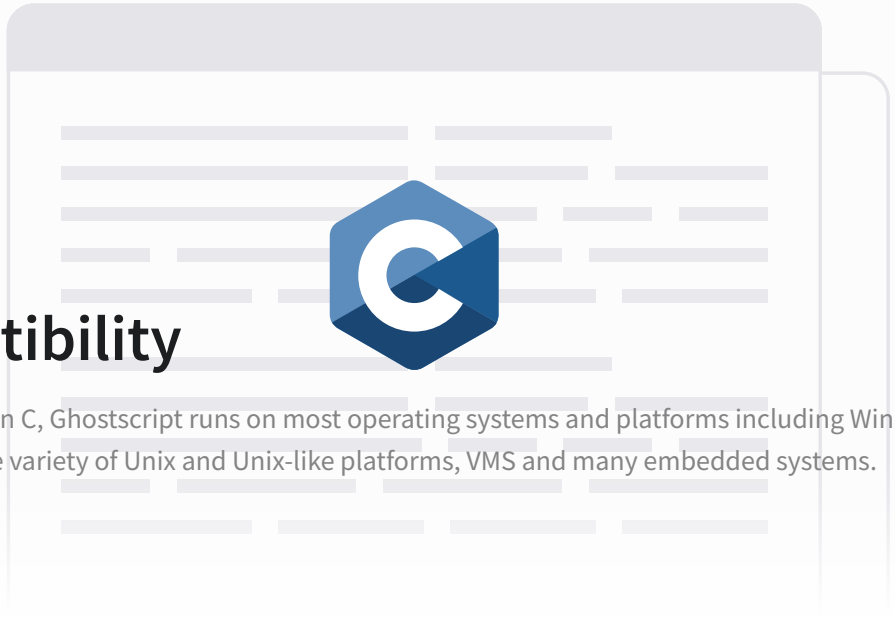
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Feature Rich

Ghostscript's breadth of features including imposition, superior color management, native rendering to raster and conversion to vector formats, and custom screening technologies deliver high-quality color reproduction and printing with every job.



Compatibility

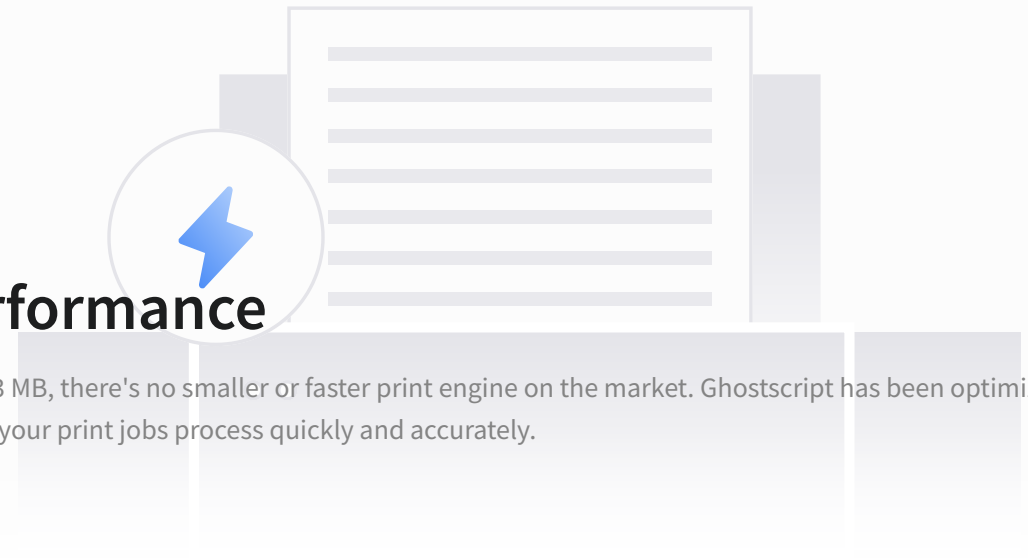
Written entirely in C, Ghostscript runs on most operating systems and platforms including Windows, macOS, the wide variety of Unix and Unix-like platforms, VMS and many embedded systems.

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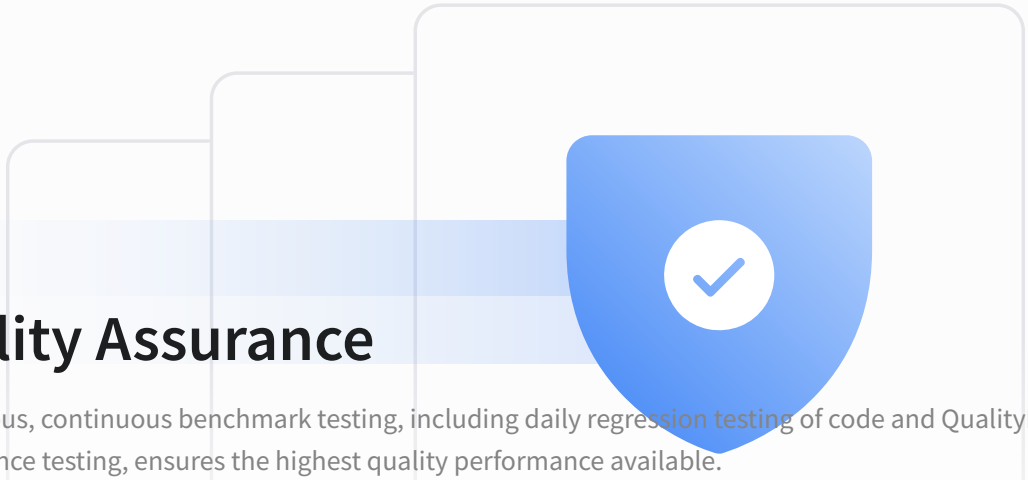
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Performance

At just 3 MB, there's no smaller or faster print engine on the market. Ghostscript has been optimized to ensure your print jobs process quickly and accurately.



Quality Assurance

Our rigorous, continuous benchmark testing, including daily regression testing of code and QualityLogic conformance testing, ensures the highest quality performance available.

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Range of Uses

Ghostscript integrations range from host-based, embedded, SaaS and cloud solutions. The Ghostscript engine has been used in printers, MFPs, RIPs, document management systems, PDF generation tools, and cloud-based printing.



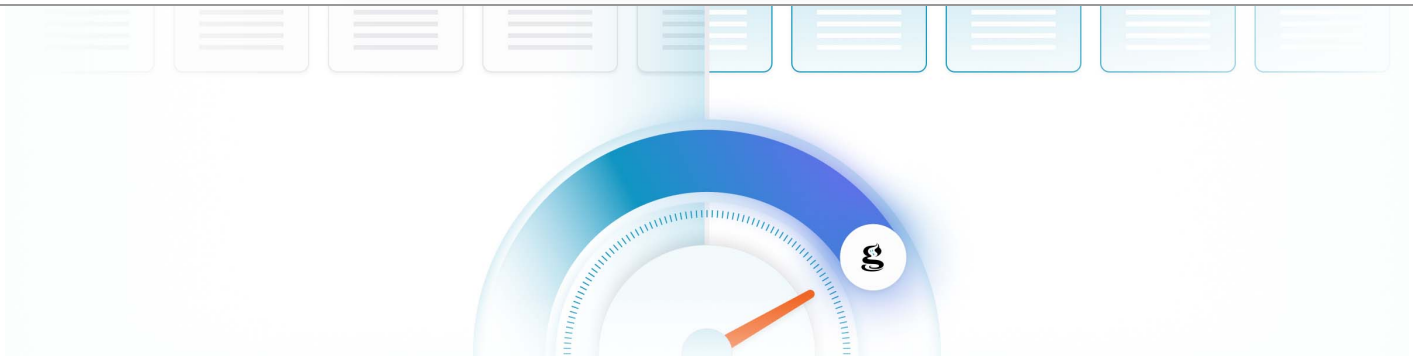
Flexible

Our wide array of device drivers and external library support enable endless customization options to ensure Ghostscript fits your project needs.

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High Performance Interpreters

Ghostscript offers native rendering and conversion of all major page description languages to raster and vector files, as well as ASCII text. Whatever your input and output needs, Ghostscript has the flexibility to not only meet, but exceed your requirements.

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Ghostscript Features

30 Years of T

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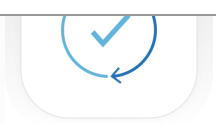
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File Conversion

Convert PDFs to various formats with ease. Ghostscript provides robust conversion capabilities, ensuring high-quality output for all your document processing needs.



Powerful PDF Compression

Reduce file sizes without losing quality. Whether you want to compress PDFs for faster load times, storage efficiency, or SaaS applications, Ghostscript delivers enterprise-grade compression with full control over settings.

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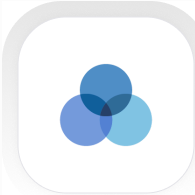
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Ghostscript PDF Interpreter

Rewritten entirely in C, the new implementation delivers a standalone PDF interpreter that is faster and more secure than its predecessor, written in PostScript.

Read the Blog post



Overprint Simulation

All output devices are now capable of simulating overprinting and spot colors, regardless of the capabilities of the target device.

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DOCX

We've added the ability to output to the Microsoft Word “docx” format with our newly implemented “docxwrite” device.



Map Text to Black

Text drawn by an input job can be forced to draw in solid black. This applies to text fill and text stroke operations.

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Enhanced N-up Functionality

N-up imposition functionality has been expanded to handle all input file types including PDF, PCL, XPS, as well as improved handling of PostScript.



Language Bindings

Bindings for Python, C#, and Java have been added for the gsapi interface. Demos and sample apps are available for review.

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OCR

We've added OCR device support to Ghostscript as of the 9.53 release. Convert printed paper documents, scanned raster images, digital camera images, etc. into searchable PDF text documents.



Cobalt Acceleration Library

The Cobalt Acceleration Library (CAL) is designed to deliver significant performance enhancements to both embedded and host-based systems. CAL delivers superior speed and print quality.

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Graphics Library

The Ghostscript graphics engine supports multiple imaging models: Postscript Level 3, PDF 2.0, PCL 5e/5c/XL, and XPS.

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Color Management

Supports ICC standards throughout the entire workflow, allowing you to interface your color management system easily and seamlessly with Ghostscript to ensure accurate color rendering each and every time.

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Screening

Ghostscript offers three high-performance screening technologies: Even Toned Screening, Error Diffusion Screening, and Threshold Array Screening.

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Interpreters

The Ghostscript family of interpreters offers native rendering of all major page description languages. In addition to rendering to raster, Ghostscript offers the capability of high-level conversion through our vector output devices.

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Trapping

Color Approximation Trapping, is a mechanism for performing configurable bitmap based trapping as part of the Ghostscript rendering process.

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Ghostscript Office

This commercial version of Ghostscript enables reading and processing of office documents. Now you can interpret extended document types such as Word, PowerPoint and Excel all with the power of Ghostscript.

See Docs

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