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The C# PDF Library

Generate, edit, and secure PDFs in .NET **without** broken rendering, or deployment headaches

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Create & edit PDFs in C#
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Online Demo

See All Code Ex

30 DAY TRIAL

```
1. using IronPdf;  
2.  
3. var renderer = new ChromePdfRenderer();  
4.  
5. var pdfFromUrl = renderer.RenderUrlAsPdf("https://ironpdf.com/");  
6. pdfFromUrl.SaveAs("website.pdf");  
7.  
8. var pdfFromHtmlFile = renderer.RenderHtmlFileAsPdf("design.html");  
9. pdfFromHtmlFile.SaveAs("markup.pdf");  
10.
```

Downloads: 21M · PM · Install - Package IronPdf

latest v2026.8.1

build ✓ 3158 tests passed (0 failed)

See what's new: PDF Optional Content Groups

Cross Platform Support

Designed for **C#, F#, & VB.NET** running on **.NET 10, 9, 8, 7, 6, 5, Core, Standard, or Framework**
Available for **.NET, Java, Node.js, and Python**.

.NET



R#

.NET Versions:

- C#, VB.NET, F# Languages
- .NET Core (10, 9, 8, 7, 6, 5, and 311)
- .NET Standard (2.0+)
- .NET Framework (4.6.2+)

OS & Processors:

- Windows (x64, x86)
- Mac (x64, ARM)
- Linux (x64)

.NET Project Types:

- Web (Blazor & WebForms)
- Desktop (WPF & MAUI)
- Console (App & Library)

App Environments:

- Windows (10+, Server UI 2012+, Server Core 2022)
- Linux (Ubuntu, Debian, CentOS, etc.)
- Mac (macOS 10+)
- Docker (Windows, Linux, Azure)
- Azure (iPaaS, WebApp, Function)
- AWS (EC2, Lambda)

IDEs:

- Microsoft Visual Studio
- JetBrains Rider & ReSharper

Binary Certification

- DigiCert Signed Binaries

C# PDF Library that prioritizes accuracy, ease of use, and speed.

IronPDF is the leading C# PDF library for generating & editing PDFs. Its user friendly API allows developers to rapidly deliver professional, high quality PDFs from HTML in .NET projects.

5 .HTML

C#

PDF

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Name

Phone number

☐ I agree to Iron Software contacting me by email, SMS, Unsubscribe anytime: [@IronPDF.com](#)

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Create PDFs

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- Add Texts & Images
- Add Shapes
- Add Headers/Footers

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Versatile PDF Conversion

- HTML to PDF
- URL to PDF
- Docx to PDF
- RTF & MD to PDF

Edit PDFs

Edit PDF Objects

- Translate PDF Objects
- Scale PDF Objects
- Remove PDF Objects

Edit Document Text

Sign and Secure

Ensure Authenticity

- Digital Signatures
- Edit & Sign Reviews
- Edit PDF Metadata

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Standards Compliance

- PDF Versions (1.2 - 1.7)
- PDF/UA (PDF/UA-1)
- PDF/A (1-3 b/a)

PDF Viewing and Printing

- IronPdf Viewer
- Print to a Physical Printer

- XAML to PDF

Web Accessibility

- TLS Website & System Logins
- Cookies

Tailored PDF Conversion

- Custom Margin
- Set Headers/Footers
- Set Page Numbers
- Grayscale

Refine PDF Layout

- Add a Table of Contents
- Add Page Break
- Fit to Paper

- Stamp Texts & Images
- Custom Watermark
- Draw Text & Bitmap
- Draw Line and Rectangle
- Add Headers/Footers
- Add Page Numbers
- Background & Foreground

Organize PDFs

Edit PDF Structure

- Add, Copy & Delete Pages
- Merge & Split PDFs

Supplementary Organization

- Bookmarks & Outlines
- Attachments

- Set Password & Permissions

Others

Support Web Assets

- HTML
- CSS
- JavaScript
- Images
- Fonts
- UTF-8 Character Encoding
- Based URL & Asset Encoding

Performance and Compression

- PDF File Compression
- Async & Multithreading
- Custom Logging

Why IronPDF?

Match the browser. Ship fast. Run on Windows, Linux, macOS & cloud.

Why IronPDF?

Complex DesktopAppHTMLCSS3PDF/A2:31

Pixel-perfect rendering

- Chromium-grade HTML/CSS/JS: what you see in the browser is what is in the PDF.
- Fonts, SVGs, images, and complex layouts stay consistent across environments.
- Handles headers, footers, page numbers, margins, and pagination edge cases.

Outcome: Ship PDFs that match designs, not close enough.

Up & running in 5 mins

PM > Install-Package IronPdf

- 5-minute quick starts.
- Small, readable API: generate, merge, watermark, sign, secure.
- Instant license key, full API access for **40% dev-time saved vs. DIY wrappers**.

Outcome: Less duct-taped code. Faster delivery.

Cross-platform

- .NET 10, 9, 8 LTS, Framework 4.62+
- OS: Windows, Linux, macOS.
- Cloud/containers: Azure, AWS, Docker/Kubernetes, serverless.

Outcomes: Works with your stack today and when you scale.

Great documentation

- Copy-paste your first PDF.
- Task-based examples for HTML to PDF, merge/split, stamping, forms, and signing.
- Troubleshooting for fonts, page breaks, headless/cloud deploys.

Open Quickstart Docs

Perpetual license & 24/5 support

- Perpetual license** - buy once, use forever. Optional updates and renewals.
- 24/5 engineer support** (24/7 in Premium). Real humans, median chat response under 1 minute.
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Chat With an Engineer

For builders

- Features you'll actually use:
 - merge/split
 - TOC/bookmarks
 - headers/footers/margins
 - watermarks/stamps
 - forms (fill/extract)
 - attachments
 - images
 - permissions
 - compressing
 - digital signing
- Works everywhere: Windows, Linux, macOS, Docker, Azure, AWS, cloud.

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- Trusted by **2M+** engineers and **14M+** NuGet installs.
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- Procurement-friendly: perpetual license, optional renewals, invoice available, multiple payment options including local.
- 30-day money-back guarantee**.

See Licensing

What our Customers say about IronPDF?

40%SAVING

Where in the past we might have to go out and use one plug-in or one package for OCR, and another one for PDF, having them all integrated into one low-cost package was really great for us.

20%SAVING

Green2view achieved 20% savings, 30% faster document turnaround, and 100% compliance.

40%LESS ADMIN WORK

It just works. Our automation delivers pixel-perfect financial reports every time.

Iron Support Team

We're online 24 hours, 5 days a week

ChatEmailCall Me

Every time developers ask, it's a **YES!**

- Can I deploy my application using the library to Linux, macOS, or Windows, including Docker containers? **YES!**
- Can I render pixel-perfect PDFs from complex HTML5, CSS3, and JavaScript? **YES!**
- Is the library thread-safe for use in highly concurrent, multi-threaded server applications and APIs? **YES!**
- Can I set custom viewport dimensions and print media CSS to control responsive layouts? **YES!**
- Is IronPDF compatible with Azure Functions? **YES!**
- Can I permanently redact sensitive text and images from PDF documents? **YES!**
- Can I generate a PDF from a URL that requires authentication via custom headers, cookies, or form logins? **YES!**
- Can I access PDF DOM through ObjectModel property? **YES!**
- Can I programmatically fill, read, and flatten interactive AcroForm? **YES!**
- Does it support generating PDF/A and PDF/UA compliant documents for archiving and accessibility standards? **YES!**
- Can I secure a document with 256-bit AES password encryption and set user permissions? **YES!**
- Can I apply and verify digital signatures on a PDF using X.509 certificates? **YES!**
- Can I test IronPDF in my live project for free now? **YES!** → [Click here to start your 30-day free trial](#)

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20M+
2026

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IRONPDF - Create, read, and edit PDFs. HTML to PDF, PDF to HTML, and more.

IRONWORD - Edit DOCX Word Files. No Office Interop required.

IRONXL - Edit Excel & CSV files. No Office Interop required.

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IRONQR - Read and write QR codes.

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