



# Integration Handbook

|         |                                 |           |             |            |
|---------|---------------------------------|-----------|-------------|------------|
| EDITION | CAPABILITY                      | SIGNATURE | STANDARDS   | GENERATED  |
| Core    | PDF outline & multi-page layout | —         | ISO 32000-2 | 2026-07-14 |

## 1. Engine & Edition Matrix

NextPDF ships as three editions built on one shared engine core. A document generated on Core keeps rendering correctly after an upgrade — editions add capability, they never change behavior.

| Capability                           | Core     | Pro      | Enterprise |
|--------------------------------------|----------|----------|------------|
| HTML/CSS rendering & tables          | Included | Included | Included   |
| Vector drawing & shapes              | Included | Included | Included   |
| 1D barcodes (Code128, EAN, UPC)      | Included | Included | Included   |
| Digital signatures (PAdES B-B / B-T) | Included | Included | Included   |
| Interactive charts                   | —        | Included | Included   |
| 2D barcodes (QR, DataMatrix, PDF417) | —        | Included | Included   |
| Tagged, accessible output (PDF/UA)   | —        | —        | Included   |
| PDF/A archival profiles              | —        | —        | Included   |
| AES-256 encryption & permissions     | —        | —        | Included   |
| Fast Web View (linearization)        | —        | —        | Included   |

Every edition renders the matrix above through the same Document API — upgrading changes what is available, never how you call it.

## 2. Five-Minute Integration

Every NextPDF document follows the same three calls: create, write, save. The example below produces a complete, valid PDF file on a fresh PHP 8.4 installation.

### 2.1 Install

Add the engine to any Composer-managed project. No native PHP extensions are required for the Core feature set.

```
composer require nextpdf/core
```

### 2.2 Render Your First PDF

This script creates a page, writes HTML content, and saves a PDF — the same three calls scale from a single page to a 500-page report.

```
<?php

use NextPDF\Core\Document;

$doc = Document::createStandalone();
$doc->setTitle('Quarterly Report');
$doc->addPage();
$doc->writeHtml('<h1>Hello, NextPDF</h1>');
$doc->save('report.pdf');
```

The `Document` class exposes the same fluent API for tables, barcodes, charts, and PAdES signatures — see the examples at [getnextpdf.com](https://getnextpdf.com) for the complete surface.

## 3. Conformance & Archival

Every NextPDF document is a conformant ISO 32000-2 (PDF 2.0) file by construction. The engine also supports the long-term-preservation and accessibility profiles regulated industries require.

### 3.1 Long-Term Archival

PDF/A output embeds every font and color profile the document needs, so an archived file renders identically decades after it was produced — without depending on external resources.

### 3.2 Accessibility

Tagged output exposes headings, tables, and reading order to assistive technology, meeting the structural requirements of PDF/UA.

### 3.3 Digital Signatures

PAdES signatures attach cryptographic proof of authorship and, at the B-T level, a timestamp that survives certificate expiry.

| Standard                       | Scope                                       |
|--------------------------------|---------------------------------------------|
| <b>ISO 32000-2:2020</b>        | Base document format (PDF 2.0)              |
| <b>ISO 19005 (PDF/A)</b>       | Long-term archival fidelity                 |
| <b>ISO 14289 (PDF/UA)</b>      | Structured, accessible output               |
| <b>ETSI EN 319 142 (PAdES)</b> | Digital signature profiles B-B / B-T / B-LT |

Every profile above builds on the same Document API from Chapter 2 — no separate SDK, extension, or configuration file to learn.

## 4. Operations

Each document instance is self-contained, so NextPDF renders concurrently across queue workers and serverless handlers without shared mutable state.

### 4.1 Deployment Pipeline

A typical production pipeline composes the document, validates its structure, applies a digital signature, and delivers the finished file:

**Compose → Validate → Sign → Deliver**

### 4.2 Monitoring & Support SLA

Priority support plans include a 4-hour response SLA and direct engineering escalation for regulated production workloads.

Together, deterministic rendering, worker-safe isolation, and a monitored SLA are why regulated pipelines standardize on NextPDF for document delivery that cannot drift between runs.