

changelog.md for @push.rocks/smartpdf

2026-03-09 - 4.2.0 - feat(smartpdf)

replace internal Express server with @push.rocks/smartsrv, add PDF→WebP rendering, improve start/stop handling and bump dependencies

- Replace internal Express HTTP implementation with @push.rocks/smartsrv and update README wording to reflect HTTP server usage
- Add PDF→WebP rendering: use pdf.js in-page rendering, capture canvases via Puppeteer to produce WebP buffers; added robust wait/timeout and error handling
- Add start/stop guards: _isRunning flag, reset readiness Deferred on start, and throw if start called while running
- Remove direct http/express exports from plugins and stop exporting express; export smartsrv from plugins
- Improve JPEG conversion to produce progressive JPEGs via SmartJimp (sharp mode)
- Bump dependencies/devDependencies: @push.rocks/smartsrv to ^1.5.0, add @push.rocks/smartsrv ^2.0.1; devDeps @git.zone/tsbuild ^4.3.0, @git.zone/tstest ^3.3.0, @types/node ^25.3.5

2026-03-01 - 4.1.3 - fix(tests)

use example.com in image conversion test and relax JPEG size assertion

- Replaced <https://www.wikipedia.org> with <https://example.com> in test/test.ts for the third PDF generation test
- Removed the strict expectation that JPEG size must be smaller than PNG; now only asserts that WebP is smaller than PNG
- Updated test comment to note that JPEG may not be smaller for simple graphics pages

2026-03-01 - 4.1.2 - fix(smartsrv)

replace smartfile with smartfs, update file reading to use SmartFs, remove GraphicsMagick/Ghostscript dependency checks, bump dev and runtime dependencies, update tests and docs, and adjust npmextra configuration

- Replace usage/export of @push.rocks/smartfile with @push.rocks/smartfs and update readfileToPdfObject to use SmartFs + SmartFsProviderNode
- Remove execFile import and the GraphicsMagick/Ghostscript dependency-checking helpers from smartpdf (no more gm/gs checks)
- Bump devDependencies: @git.zone/tsbuild ^4.1.2, @git.zone/tsdoc ^1.12.0, @git.zone/tsrun ^2.0.1, @git.zone/tstest ^3.1.8, @types/node ^25.3.2
- Bump runtime dependencies: @push.rocks/smartfs ^1.3.1, @push.rocks/smartnetwork ^4.4.0, @tsclass/tsclass ^9.3.0, @types/express ^5.0.6, express ^5.2.1, pdf2json ^4.0.2
- Tests updated: switched example URLs to example.com, added a third PDF generation test that writes .nogit/3.pdf, and exported tap.start() as default
- npmextra.json reorganized to namespaced keys, added release.registries and accessLevel, and adjusted tsdoc/legal entries
- Documentation/readme refreshed: added issue reporting/security section, feature table, and various wording/formatting updates

2025-08-02 - 4.1.0 - feat(smartpdf)

Add progressive JPEG generation support

- Added new convertPDFToJpegBytes method for progressive JPEG generation
- Integrated @push.rocks/smartjimp for true progressive JPEG encoding
- Progressive JPEGs load in multiple passes, showing low-quality preview first
- Supports quality and scale options like other image generation methods
- Updated readme with comprehensive documentation and modern styling
- Updated legal section to reflect Task Venture Capital GmbH ownership

2025-08-02 - 4.0.0 - BREAKING CHANGE(smartpdf)

Improve image generation quality and API consistency

- BREAKING: Renamed `convertPDFToWebpPreviews` to `convertPDFToWebpBytes` for API consistency
- Added configurable scale options to `convertPDFToPngBytes` method
- Changed default scale from 1.0 to 3.0 for PNG generation (216 DPI)

- Changed default scale from 0.5 to 3.0 for WebP generation (216 DPI)
- Added DPI helper methods: `getScaleForDPI()` and scale constants (`SCALE_SCREEN`, `SCALE_HIGH`, `SCALE_PRINT`)
- Added `maxWidth`/`maxHeight` constraints for both PNG and WebP generation
- Improved test file organization with clear naming conventions
- Updated documentation with DPI/scale guidance and examples

2025-08-01 - 3.3.0 - feat(smartpdf)

Add automatic port allocation and multi-instance support

- Added `ISmartPdfOptions` interface with port configuration options
- Implemented automatic port allocation between 20000-30000 by default
- Added support for custom port ranges via `portRangeStart`/`portRangeEnd` options
- Added support for specific port assignment via `port` option
- Fixed resource cleanup when port allocation fails
- Multiple `SmartPdf` instances can now run simultaneously without port conflicts
- Updated readme with comprehensive documentation for all features

2025-02-25 - 3.2.2 - fix(SmartPdf)

Fix buffer handling for PDF conversion and text extraction

- Ensure `Uint8Array` is converted to Node Buffer for PDF conversion.
- Correct the PDF page viewport handling by using document dimensions.
- Fix `extractTextFromPdfBuffer` argument type from `Uint8Array` to `Buffer`.

2025-02-25 - 3.2.1 - fix(SmartPdf)

Fix type for `extractTextFromPdfBuffer` function

- Corrected the parameter type from `Buffer` to `Uint8Array` for `extractTextFromPdfBuffer` function.

2025-02-25 - 3.2.0 - feat(smartpdf)

Improve dependency versions and optimize PDF to PNG conversion.

- Update several dependencies to newer versions for better stability and performance.
- Refactor tests to enhance readability and add directory creation validations.
- Optimize PDF to PNG conversion by switching to a more efficient Puppeteer and PDF.js-based method.
- Add checks for presence of required dependencies (GraphicsMagick and Ghostscript).
- Fix media emulation issue by properly awaiting the emulateMediaType function.

2024-11-30 - 3.1.8 - fix(core)

Fix candidate handling in PDF generation

- Added error handling for missing PDF candidates in server requests.
- Updated devDependencies and dependencies to latest versions for better stability and new features.
- Patched header retrieval logic during PDF generation for security check.

2024-09-27 - 3.1.7 - fix(dependencies)

Update dependencies to latest versions

- Updated @git.zone/tsbuild to version ^2.1.84
- Updated @git.zone/tsdoc to version ^1.3.12
- Updated @git.zone/tsrun to version ^1.2.49
- Updated @push.rocks/tapbundle to version ^5.3.0
- Updated @types/node to version ^22.7.4
- Updated @push.rocks/smartfile to version ^11.0.21
- Updated @push.rocks/smartpromise to version ^4.0.4
- Updated @tsclass/tsclass to version ^4.1.2
- Updated express to version ^4.21.0
- Updated pdf2pic to version ^3.1.3

2024-05-29 - 3.1.6 - Core

Updated description

- Minor changes to documentation and internal text.

2024-04-25 to 2024-04-30 - 3.1.0 to 3.1.5 - Core

Fix updates in core functionality

- Fixes and updates in core function in versions 3.1.0 to 3.1.5.

2024-04-25 - 3.0.17 - Feature

Now supports PDF to JPG conversion

- Added support for converting PDF files to JPG format.

2024-03-19 to 2024-04-14 - 3.0.17 - Maintenance

Various updates to project configuration files

- Updated `tsconfig`.
- Updated `npmextra.json`.

2023-07-11 to 2024-03-19 - 3.0.15 to 3.0.16 - Organization

Switch to new organization scheme and core updates

- Switched to new organization scheme.
- Applied core updates and bug fixes.

2022-11-07 to 2023-07-10 - 3.0.13 to 3.0.14 - Core

Fixes and updates to core functionality

- Various minor bug fixes and updates to core components.

2022-09-13 to 2022-11-07 - 3.0.10 to 3.0.12 - Core

Ongoing core updates and maintenance

- Regular fixes and operational improvements in core functionalities.

2022-06-12 to 2022-09-13 - 3.0.7 to 3.0.9 - Core

Continued focus on high-priority bug fixes and core functionalities

- Regular fixes for critical bugs and enhancements.

2022-03-24 to 2022-06-29 - 3.0.3 to 3.0.6 - Core

Further optimization and maintenance releases

- Further improvements and refinements of issues in core functionalities.

2022-01-05 to 2022-03-25 - 3.0.0 to 3.0.2 - Major Version Release

Major release for version 3.0.x, including core fixes

- Increased version from 2.x to 3.0. New significant changes and fixes.

2022-01-05 to 2022-03-24 - 2.0.13 to 2.0.19 - Core

Routine core updates and bug fixes

- Regular bug fixes in core components.

2019-11-19 to 2022-01-06 - 2.0.0 to 2.0.11 - Core

Multiple core updates and a few performance improvements

- Some performance enhancements and multiple bug fixes.

2019-11-16 to 2019-11-19 - 1.0.27 to 1.0.29 - API

Breaking change in API

- Naming PDF results to better represent their content.

2019-05-29 to 2019-11-15 - 1.0.13 to 1.0.26 - Core

Core functional updates and some major restructuring

- Introduced multiple updates to the core, addressing bugs and improving stability.

2019-04-10 to 2019-05-28 - 1.0.4 to 1.0.12 - Core

Fixes and updates in the core

- Implementation of multiple essential fixes for core components.

2018-10-06 - 1.0.1 to 1.0.3 - Core and Typings

Initial implementation and core fixes

- Initial implementation of the project.
- Fixed compilation problems in typings.

2016-01-29 - unknown - Initial

Initial commit

- Initial commit for the project setup.

Revision #2

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