

# @push.rocks/smartfile

Provides comprehensive tools for efficient file management in Node.js using TypeScript, including handling streams, virtual directories, and various file operations.

- [readme.md for @push.rocks/smartfile](#)
- [changelog.md for @push.rocks/smartfile](#)

# readme.md for @push.rocks/smartfile

“ High-level file representation classes for Node.js

## □□ What is smartfile?

`@push.rocks/smartfile` provides powerful **in-memory file representations** for Node.js applications. It offers clean, TypeScript-first classes for working with files (`SmartFile`), streams (`StreamFile`), and virtual file collections (`VirtualDirectory`).

Think of it as your go-to solution for **content manipulation, file transformations, and in-memory file operations** - all while seamlessly integrating with [@push.rocks/smartfs](#) for actual filesystem operations.

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## □□ Installation

```
pnpm install @push.rocks/smartfile
# Optional: Install smartfs for filesystem operations
pnpm install @push.rocks/smartfs
```

# □ Key Features

- □ **Factory Pattern** - Clean, consistent API for creating file instances
- □ **Streaming Support** - Handle massive files efficiently with `StreamFile`
- □ **Virtual Directories** - Work with in-memory file collections
- □ **URL Support** - Directly fetch files from URLs
- □ **Content Manipulation** - Edit, transform, and parse file content
- < **TypeScript First** - Full type safety and IntelliSense support
- □ **Comprehensive Collection API** - Filter, map, find files in virtual directories

## □ Quick Start

### Using the Factory

```
import { SmartFileFactory } from '@push.rocks/smartfile';

// Create factory (uses Node.js filesystem by default)
const factory = SmartFileFactory.nodeFs();

// Load a file into memory
const file = await factory.fromFilePath('./config.json');

// Edit content
await file.editContentAsString(async (content) => {
  return content.toUpperCase();
});

// Save back to disk
await file.write();
```

### With SmartFs Integration

```
import { SmartFileFactory } from '@push.rocks/smartfile';
import { SmartFs, SmartFsProviderNode } from '@push.rocks/smartfs';
```

```
// Create SmartFs instance with provider
const smartFs = new SmartFs(new SmartFsProviderNode());

// Create factory bound to this filesystem
const factory = new SmartFileFactory(smartFs);

// Now all file operations use the smartfs instance
const file = await factory.fromFilePath('./data.json');
await file.write(); // Uses smartfs under the hood
```

## ☐ Core Components

### SmartFileFactory

The factory is your entry point for creating all file instances:

```
import { SmartFileFactory } from '@push.rocks/smartfile';

const factory = SmartFileFactory.nodeFs();

// Create from various sources
const fileFromPath = await factory.fromFilePath('./data.json');
const fileFromUrl = await factory.fromUrl('https://example.com/config.json');
const fileFromBuffer = factory.fromBuffer('./file.txt', Buffer.from('content'));
const fileFromString = factory.fromString('./file.txt', 'Hello World', 'utf8');

// Create StreamFile instances
const stream = await factory.streamFromPath('./large-file.zip');
const streamFromUrl = await factory.streamFromUrl('https://example.com/video.mp4');

// Create VirtualDirectory instances
const vdir = await factory.virtualDirectoryFromPath('./src');
const emptyVdir = factory.virtualDirectoryEmpty();
```

### SmartFile Class

Represents a single file loaded in memory:

```

// Created via factory
const file = await factory.fromFilePath('./data.json');

// Content access
const asString = file.parseContentAsString();
const asBuffer = file.parseContentAsBuffer();

// Content manipulation
await file.editContentAsString(async (content) => {
  const data = JSON.parse(content);
  data.updated = new Date().toISOString();
  return JSON.stringify(data, null, 2);
});

// File operations
await file.write(); // Save to original location
await file.writeToDiskAtPath('./output.json'); // Save to specific path
await file.writeToDir('./dist'); // Save to directory
await file.read(); // Reload from disk
await file.delete(); // Delete from disk

// Metadata
const size = await file.getSize(); // File size in bytes
const hash = await file.getHash('content'); // SHA256 hash
const stream = file.getStream(); // Get as Node.js stream

// Path information
console.log(file.path); // Relative path
console.log(file.absolutePath); // Absolute path
console.log(file.parsedPath); // Parsed path components

```

## StreamFile Class

Perfect for handling large files without memory overhead:

```

// Created via factory
const streamFile = await factory.streamFromPath('./bigfile.zip');

// Or from URL

```

```

const urlStream = await factory.streamFromUrl('https://example.com/large.mp4');

// Or from buffer
const bufferStream = factory.streamFromBuffer(Buffer.from('content'));

// Write to disk (streams the content)
await streamFile.writeToDisk('./output/bigfile.zip');
await streamFile.writeToDir('./output');

// Get content (loads into memory - use carefully!)
const buffer = await streamFile.getContentAsBuffer();
const string = await streamFile.getContentAsString('utf8');

// Get as Node.js stream for piping
const readStream = await streamFile.createReadStream();

// Convert to SmartFile (loads into memory)
const smartFile = await streamFile.toSmartFile();

// Get file size
const size = await streamFile.getSize();

```

## VirtualDirectory Class

Manage collections of SmartFiles in memory:

```

// Created via factory
const vdir = await factory.virtualDirectoryFromPath('./src');

// Or create empty
const emptyVdir = factory.virtualDirectoryEmpty();

// Or from file array
const files = [file1, file2, file3];
const vdirFromFiles = factory.virtualDirectoryFromFileArray(files);

// =====
// Collection Queries (in-memory operations)

```

```
// =====  
  
// Check existence in collection  
if (vdir.exists('components/Button.tsx')) {  
  console.log('File exists in virtual directory');  
}  
  
// Get file from collection  
const file = await vdir.getFileByPath('utils/helpers.ts');  
  
// List all files  
const allFiles = vdir.listFiles();  
  
// List directory paths represented in collection  
const dirs = vdir.listDirectories();  
  
// Filter files  
const tsFiles = vdir.filter(f => f.path.endsWith('.ts'));  
const largeFiles = vdir.filter(f => f.contentBuffer.length > 10000);  
  
// Map/transform files  
const uppercased = vdir.map(f => {  
  f.contentBuffer = Buffer.from(f.parseContentAsString().toUpperCase());  
  return f;  
});  
  
// Find specific file  
const configFile = vdir.find(f => f.path.includes('config'));  
  
// Collection info  
const fileCount = vdir.size();  
const empty = vdir.isEmpty();  
  
// =====  
// Collection Mutations  
// =====  
  
// Add files  
vdir.addSmartfile(newFile);
```

```
vdir.addSmartfiles([file1, file2, file3]);

// Remove file
vdir.removeByPath('old-file.ts');

// Clear all files
vdir.clear();

// Merge another virtual directory
vdir.merge(otherVirtualDir);

// =====
// Load/Save (filesystem bridge operations)
// =====

// Save all files to disk
await vdir.saveToDisk('./dist');

// Reload from disk
await vdir.loadFromDisk('./src');

// Work with subdirectories
const subVdir = await vdir.shiftToSubdirectory('components');
await vdir.addVirtualDirectory(otherVdir, 'lib');
```

## ☐☐ Integration with SmartFs

For filesystem operations beyond loading/saving content, use [@push.rocks/smartfs](#):

```
import { SmartFileFactory } from '@push.rocks/smartfile';
import { SmartFs, SmartFsProviderNode } from '@push.rocks/smartfs';

const smartFs = new SmartFs(new SmartFsProviderNode());
const factory = new SmartFileFactory(smartFs);

// Use smartfile for content manipulation
const file = await factory.fromFilePath('./config.json');
```

```
await file.editContentAsString(async (s) => s.toUpperCase());
await file.write();

// Use smartfs for filesystem operations
const exists = await smartFs.file('./config.json').exists();
await smartFs.file('./config.json').copy('./config.backup.json');
const stats = await smartFs.file('./config.json').stat();

// List directory with smartfs
const entries = await smartFs.directory('./src').list();
```

## ☐ Common Use Cases

### Configuration File Management

```
const factory = SmartFileFactory.nodeFs();

// Load, modify, and save config
const config = await factory.fromFilePath('./package.json');
await config.editContentAsString(async (content) => {
  const pkg = JSON.parse(content);
  pkg.version = '2.0.0';
  return JSON.stringify(pkg, null, 2);
});
await config.write();
```

### Batch File Processing

```
const factory = SmartFileFactory.nodeFs();

// Load directory into virtual collection
const vdir = await factory.virtualDirectoryFromPath('./content');

// Process all markdown files
const mdFiles = vdir.filter(f => f.path.endsWith('.md'));
```

```
for (const file of mdFiles.listFiles()) {
  await file.editContentAsString(async (content) => {
    // Add frontmatter, transform links, etc.
    return `---\nprocessed: true\n---\n\n${content}`;
  });
}

// Save processed files
await vdir.saveToDisk('./dist/content');
```

## Download and Process Remote Files

```
const factory = SmartFileFactory.nodeFs();

// Fetch from URL
const remoteFile = await factory.fromUrl('https://api.example.com/data.json');

// Process content
await remoteFile.editContentAsString(async (content) => {
  const data = JSON.parse(content);
  // Transform data
  return JSON.stringify(data.results, null, 2);
});

// Save locally
await remoteFile.writeToDiskAtPath('./cache/data.json');
```

## Large File Streaming

```
const factory = SmartFileFactory.nodeFs();

// Download large file as stream
const largeFile = await factory.streamFromUrl('https://example.com/large-dataset.csv');

// Save to disk (streams, doesn't load all into memory)
await largeFile.writeToDisk('./data/dataset.csv');
```

```
// Or get size without downloading entire file
const size = await largeFile.getSize();
console.log(`File size: ${size} bytes`);
```

# Virtual File System for Testing

```
import { SmartFileFactory } from '@push.rocks/smartfile';
import { SmartFs, SmartFsProviderMemory } from '@push.rocks/smartfs';

// Use in-memory filesystem for tests
const memoryFs = new SmartFs(new SmartFsProviderMemory());
const factory = new SmartFileFactory(memoryFs);

// Create virtual files
const testFile = factory.fromString('test.txt', 'test content');
await testFile.write(); // Writes to in-memory filesystem

// Test your code without touching real filesystem
```

## □□ Architecture

## Responsibility Split

**@push.rocks/smartfile** (this package):

- □ In-memory file representations (SmartFile, StreamFile, VirtualDirectory)
- □ Content manipulation and transformation
- □ Loading content FROM sources (disk, URL, buffer, string)
- □ Saving content TO destinations (disk, stream)
- □ Collection operations (filter, map, find on VirtualDirectory)

**@push.rocks/smartfs:**

- □ Low-level filesystem operations (exists, stat, copy, move, delete)
- □ Directory operations (list, create, remove)
- □ Provider abstraction (Node.js fs, in-memory, S3, etc.)
- □ Streaming (readStream, writeStream)
- □ Transactions and file watching

# API Reference

## SmartFileFactory

Method	Description
<code>SmartFileFactory.nodeFs()</code>	Create factory with Node.js filesystem provider
<code>new SmartFileFactory(smartFs)</code>	Create factory with custom SmartFs instance
<code>factory.fromFilePath(path, base?)</code>	Load file from disk into SmartFile
<code>factory.fromUrl(url)</code>	Fetch file from URL into SmartFile
<code>factory.fromBuffer(path, buffer, base?)</code>	Create SmartFile from Buffer
<code>factory.fromString(path, content, encoding, base?)</code>	Create SmartFile from string
<code>factory.streamFromPath(path)</code>	Create StreamFile from disk
<code>factory.streamFromUrl(url)</code>	Create StreamFile from URL
<code>factory.streamFromBuffer(buffer, path?)</code>	Create StreamFile from Buffer
<code>factory.virtualDirectoryFromPath(path)</code>	Load directory into VirtualDirectory
<code>factory.virtualDirectoryEmpty()</code>	Create empty VirtualDirectory
<code>factory.virtualDirectoryFromFileArray(files)</code>	Create VirtualDirectory from SmartFiles

## SmartFile Instance Methods

Method	Description
<code>file.write()</code>	Save to original location
<code>file.writeToDiskAtPath(path)</code>	Save to specific path
<code>file.writeToDir(dir)</code>	Save to directory (preserves relative path)
<code>file.read()</code>	Reload content from disk
<code>file.delete()</code>	Delete file from disk
<code>file.editContentAsString(fn)</code>	Transform content as string
<code>file.parseContentAsString(encoding?)</code>	Get content as string
<code>file.parseContentAsBuffer()</code>	Get content as Buffer
<code>file.getHash(type?)</code>	Get SHA256 hash ('path', 'content', 'all')
<code>file.getSize()</code>	Get content size in bytes

Method	Description
<code>file.getStream()</code>	Get content as Node.js Readable stream

## StreamFile Instance Methods

Method	Description
<code>stream.writeToDisk(path)</code>	Stream content to disk
<code>stream.writeToDir(dir)</code>	Stream to directory
<code>stream.createReadStream()</code>	Get as Node.js Readable stream
<code>stream.getContentAsBuffer()</code>	Load entire content into Buffer
<code>stream.getContentAsString(encoding?)</code>	Load entire content as string
<code>stream.getSize()</code>	Get content size in bytes
<code>stream.toSmartFile()</code>	Convert to SmartFile (loads into memory)

## VirtualDirectory Instance Methods

### Collection Queries:

Method	Description
<code>vdir.exists(path)</code>	Check if file exists in collection
<code>vdir.has(path)</code>	Alias for exists()
<code>vdir.getFileByPath(path)</code>	Get SmartFile by path
<code>vdir.listFiles()</code>	Get all SmartFiles
<code>vdir.listDirectories()</code>	Get all directory paths
<code>vdir.filter(predicate)</code>	Filter files, returns new VirtualDirectory
<code>vdir.map(fn)</code>	Transform files, returns new VirtualDirectory
<code>vdir.find(predicate)</code>	Find first matching file
<code>vdir.size()</code>	Get file count
<code>vdir.isEmpty()</code>	Check if empty

### Collection Mutations:

Method	Description
<code>vdir.addSmartfile(file)</code>	Add single file

Method	Description
<code>vdir.addSmartfiles(files)</code>	Add multiple files
<code>vdir.removeByPath(path)</code>	Remove file by path
<code>vdir.clear()</code>	Remove all files
<code>vdir.merge(otherVdir)</code>	Merge another VirtualDirectory

### Load/Save:

Method	Description
<code>vdir.saveToDisk(dir)</code>	Write all files to disk
<code>vdir.loadFromDisk(dir)</code>	Load files from disk (replaces collection)

## ☐ TypeScript Support

Full TypeScript support with comprehensive type definitions:

```
import type { SmartFile, StreamFile, VirtualDirectory, SmartFileFactory } from
 '@push.rocks/smartfile';

const processFile = async (file: SmartFile): Promise<void> => {
  const content = file.parseContentAsString();
  // TypeScript knows content is string
};
```

## ☐ Backward Compatibility

Version 12.0.0 introduces the factory pattern. Legacy exports are deprecated but still functional:

```
// ⚠️ Deprecated (still works, but will be removed)
import * as smartfile from '@push.rocks/smartfile';
const file = await smartfile.SmartFile.fromFilePath('./file.txt');
await smartfile.fs.copy('./a.txt', './b.txt');

// ☐ Recommended (new factory pattern)
import { SmartFileFactory } from '@push.rocks/smartfile';
```

```
const factory = SmartFileFactory.nodeFs();
const file = await factory.fromFilePath('./file.txt');

// For filesystem operations, use smartfs:
import { SmartFs, SmartFsProviderNode } from '@push.rocks/smartfs';
const smartFs = new SmartFs(new SmartFsProviderNode());
await smartFs.file('./a.txt').copy('./b.txt');
```

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Task Venture Capital GmbH Registered at District court Bremen HRB 35230 HB, Germany

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# changelog.md for @push.rocks/smartfile

## 2025-11-29 - 13.1.0 - feat(smartfs)

Integrate @push.rocks/smartfs and wire SmartFileFactory.nodeFs to return a real SmartFs instance

- Add runtime dependency @push.rocks/smartfs@^1.1.0 to package.json (previous peerDependency removed).
- Export smartfs from ts/plugins.ts so internal modules can access SmartFs and providers.
- Implement SmartFileFactory.nodeFs() to instantiate plugins.smartfs.SmartFs with SmartFsProviderNode and return a factory bound to that SmartFs.
- Enable factory-created SmartFile/StreamFile/VirtualDirectory instances to use the bound SmartFs for filesystem operations (read/write/streams).

## 2025-11-22 - 13.0.1 - fix(smartfile)

Stream and filesystem integrations: remove fs-extra, switch to fs/promises.rename, add Web WritableStream compatibility, and use smartFs recursive directory methods; update plugins exports and README.

- Remove fs-extra dependency and its types from package.json and stop exporting fsExtra from plugins.
- Replace fs-extra rename with fs/promises.rename in SmartFile.rename to use native promises API.
- Add Web WritableStream handling in StreamFile.writeToDisk (convert to Node.js Writable via Writable.fromWeb) and ensure Web ReadableStream conversion in createReadStream.
- Use smartFs.directory(...).recursive().create() when creating directories and smartFs.directory(path).recursive().list() when listing to ensure recursive behavior.
- Update README to add Issue Reporting and Security section pointing to community.foss.global for bug/vulnerability reports.

# 2025-11-22 - 13.0.0 - BREAKING CHANGE(SmartFileFactory)

Refactor to in-memory file API and introduce SmartFileFactory; delegate filesystem operations to @push.rocks/smartfs; bump to 12.0.0

- Introduce SmartFileFactory as the canonical entry point for creating SmartFile, StreamFile and VirtualDirectory instances.
- Refactor SmartFile, StreamFile and VirtualDirectory to be in-memory representations and accept an optional SmartFs instance for filesystem operations.
- Delegate low-level filesystem operations to @push.rocks/smartfs (added as a peerDependency); legacy fs/memory/fsStream/interpreter namespace exports removed/deprecated.
- Add StreamFile.toSmartFile(), VirtualDirectory.loadFromDisk(), and other convenience methods to work with the new factory/smartFs integration.
- Update tests to use a MockSmartFs and the factory API; add test assets.
- Documentation and readme updated with migration instructions and examples showing SmartFileFactory.nodeFs() and SmartFs usage.
- Bumped package version to 12.0.0 — this is a breaking change; consumers should migrate from legacy namespace exports to the factory + @push.rocks/smartfs workflow.

# 2025-08-18 - 11.2.7 - fix(ci)

Remove .npmrc containing hard-coded npm registry configuration

- Removed .npmrc which contained 'registry=https://registry.npmjs.org/'
- Avoids committing environment-specific npm registry configuration; rely on user or CI environment settings instead

# 2025-08-18 - 11.2.6 - fix(fs)

Improve fs and stream handling, enhance SmartFile/StreamFile, update tests and CI configs

- Fix listFileTree to correctly handle '\*\*/' patterns by running both root and nested patterns and deduplicating results.
- Enhance waitForFileToBeReady: support directory paths (wait for first file) and improved file-stability checks with timeouts and retries.

- StreamFile improvements: support Web ReadableStream -> Node Readable conversion, better multi-use buffering, more robust fromUrl/fromBuffer/fromStream implementations, and accurate byte-length computation.
- SmartFile updates: switch fromUrl to SmartRequest, robust rename (optional on-disk rename), safer read/write paths and consistent Buffer handling for hashing and content edits.
- fs module tweaks: copy/copySync gained replaceTargetDir option, improved toObjectSync error messages, toReadStream now validates existence, and various synchronous/async API consistency fixes.
- memory module: consistent async/sync write APIs and smartfileArrayToFfs formatting/behavior fixes.
- fsstream: improved stream processing and SmartReadStream robustness (error handling, read logic and watcher improvements).
- Tests: reformatted and strengthened tests (more explicit assertions, added tests for `'/*.ts'` and `'/*'` edge cases, updated imports to tapbundle usage).
- CI/workflows: updated IMAGE and NPMCI\_COMPUTED\_REPOURL values and switched npmci package install to @ship.zone/npmci in workflow files.
- package.json: bumped various dependencies, updated test script (timeout, logfile), added typings/main fields, homepage fix, pnpm overrides and minor metadata fixes.
- .gitignore: added entries for AI tool folders (.claude/, .serena/).
- Docs/readme: expanded README with clearer examples, features and TypeScript usage; updated readme hints for listFileTree behavior.

## 2025-05-26 - 11.2.5 - fix(dev)

Update dev dependencies and add local permission settings

- Bump @git.zone/tsbuild from 2.5.2 to 2.6.4
- Bump @git.zone/tstest from 1.9.0 to 2.2.5
- Add .claude/settings.local.json to configure permissions for Bash(pnpm test:\*)

## 2025-05-24 - 11.2.4 - fix(config)

Add local permissions configuration for pnpm test commands in .claude/settings.local.json

- Introduced .claude/settings.local.json to allow Bash(pnpm test:\*) permissions
- Ensured local testing commands have proper execution rights

# 2025-05-21 - 11.2.2 - fix(tests/settings)

Improve test assertions and update local settings permissions

- Refactor StreamFile tests to assert content string type using `toBeTypeofString`
- Update file existence tests to use `resolves.toBeTrue` and `resolves.toBeFalse` for cleaner promise handling
- Add `.claude/settings.local.json` to allow specific Bash permissions for pnpm test commands

# 2025-05-21 - 11.2.1 - fix(fs)

Fix inconsistent glob matching in `listFileTree` and update test imports and dependency versions for enhanced stability.

- Enhanced `listFileTree` to support `**/` patterns by using dual patterns (root and nested) with deduplication.
- Updated test imports to use `'@git.zone/tstest/tapbundle'` for consistency across test files.
- Bumped dependency versions (`@push.rocks/lik`, `smartpromise`, `smartrequest`, `glob`) in `package.json`.
- Added npm configuration (`.npmrc`) and local settings for improved test verbosity.

# 2025-01-29 - 11.2.0 - feat(fs)

Enhanced copy method with optional `replaceTargetDir` option for directory replacement

- Added optional `'replaceTargetDir'` option to `'copy'` and `'copySync'` methods in `'fs.ts'`.
- The `'replaceTargetDir'` option allows replacing the target directory if both source and target are directories.

# 2025-01-29 - 11.1.9 - fix(fs)

Fix directory handling in `copy` and `copySync` functions

- Ensured existing directories at destination are removed before copying over them in async copy.
- Added a similar check and handling for synchronous copySync when destination is a directory.

## 2025-01-29 - 11.1.8 - fix(fs)

Fixed copy and copySync functions to ensure they always overwrite files.

- Fixed bug in copy function where files were not being overwritten when they already existed at the destination.
- Fixed bug in copySync function to ensure files are overwritten to match the async function's behavior.

## 2025-01-29 - 11.1.7 - fix(fs)

Refactor copy and copySync functions to simplify return type

- Changed the return type of fs.copy and fs.copySync from boolean to void.
- Removed unnecessary promise handling in fs.copy.

## 2025-01-29 - 11.1.6 - fix(fs)

Fix issues with fs file copy functions.

- Updated dependencies in package.json.
- Corrected comments for asynchronous and synchronous file copy functions in fs.ts.

## 2025-01-07 - 11.1.5 - fix(fs)

Improve waitForFileToBeReady function to handle directories and file stabilization

- Enhanced the waitForFileToBeReady to handle directory paths by checking for file existence within directories and waiting for stabilization.
- Modified the watcher logic to cater to changes when monitoring directories for file appearance.

- Introduced a helper function to ensure paths exist and another to resolve the first file in directories.
- Corrected logic for polling and stabilizing files within directories.

## 2025-01-07 - 11.1.4 - fix(fs)

Fix file existence check in waitForFileToBeReady method.

- Ensured that the directory and file exist before setting up the watcher in waitForFileToBeReady.
- Changed ensureDirectoryExists to ensureFileExists for correct file path verification.
- Handled ENOENT errors correctly to retry file existence checks until timeout is reached.

## 2025-01-07 - 11.1.3 - fix(fs)

Fix TypeScript type issue in fs module

- Corrected a TypeScript type in the fs module's checkFileStability function.

## 2025-01-07 - 11.1.2 - fix(fs)

Fix issues in file stability check and directory existence verification in fs module

- Removed unused variable 'isFileAvailable' in 'waitForFileToBeReady'.
- Fixed logic for ensuring the target directory exists before setting up file stability watcher.
- Refactored directory existence logic into 'ensureDirectoryExists' function.

## 2025-01-07 - 11.1.1 - fix(fs)

Improve waitForFileToBeReady function for file stability detection

- Enhanced error handling and file stability checks in waitForFileToBeReady function
- Added timeout feature for file readiness check
- Improved directory access check before file availability check

# 2025-01-07 - 11.1.0 - feat(SmartFile)

Add rename functionality to SmartFile class

- Implemented a new method to rename a file within the SmartFile class.
- The rename method updates the file path and optionally writes the renamed file to the disk.

# 2024-12-15 - 11.0.23 - fix(fs)

Handle errors in toObjectSync method

- Added error handling in toObjectSync function to capture and provide more informative error messages.

# 2024-06-23 - 11.0.22 - fix(core)

Update dependencies and changelog

- Updated @push.rocks/smartstream to ^3.0.44
- Updated glob to ^10.4.2
- Updated @types/node to ^20.14.8

# 2024-06-23 - 11.0.21 - fix(dependencies)

Update dependencies to latest versions

- Updated @push.rocks/smartpromise to ^4.0.4
- Updated @push.rocks/smartstream to ^3.0.44
- Updated glob to ^10.4.2
- Updated @types/node to ^20.14.8

# 2024-06-07 - 11.0.20 - Changelog

11.0.20

## 2024-06-07 - 11.0.19 - fix(core): update

11.0.19

- fix(core): update

## 2024-06-07 - 11.0.18 - fix(core): update

11.0.18

- fix(core): update

## 2024-06-06 - 11.0.17 - fix(core): update

11.0.17

- fix(core): update

## 2024-06-06 - 11.0.16 - fix(core): update

11.0.16

- fix(core): update

2024-05-29 - 11.0.16 - update  
description

11.0.16

- update description

2024-05-17 - 11.0.15 - fix(core):  
update

11.0.15

- fix(core): update

2024-04-14 - 11.0.14 - update  
tsconfig

11.0.14

- update tsconfig

2024-04-12 - 11.0.13 - fix(core):  
update

11.0.13

- fix(core): update

2024-04-12 - 11.0.12 - fix(core):  
update

11.0.12

- fix(core): update

2024-04-12 - 11.0.11 - fix(core):  
update

11.0.11

- fix(core): update

2024-04-03 - 11.0.10 - fix(core):  
update

11.0.10

- fix(core): update

2024-04-03 - 11.0.9 - fix(core):  
update

11.0.9

- fix(core): update

# 2024-04-02 - 11.0.8 - fix(core): update

11.0.8

- fix(core): update

# 2024-04-02 - 11.0.7 - fix(core): update

11.0.7

- fix(core): update

# 2024-04-02 - 11.0.6 - fix(core): update

11.0.6

- fix(core): update

# 2024-04-01 - 11.0.5 - update npmextra.json

11.0.5

- update npmextra.json: githost

# 2024-04-01 - 11.0.4 - fix(core): update

11.0.4

- fix(core): update

# 2023-11-24 - 11.0.3 - fix(core): update

11.0.3

- fix(core): update

# 2023-11-07 - 11.0.2 - fix(core): update

11.0.2

- fix(core): update

# 2023-11-07 - 11.0.1 - fix(core): update

11.0.1

- fix(core): update

# 2023-11-06 - 11.0.0 - fix(core): update

11.0.0

- fix(core): update

# 2023-11-06 - 10.0.40 - BREAKING CHANGE(core): update

10.0.40

- BREAKING CHANGE(core): update

# 2023-11-04 - 10.0.39 - fix(core): update

10.0.39

- fix(core): update

# 2023-11-04 - 10.0.38 - fix(core): update

10.0.38

- fix(core): update

# 2023-11-04 - 10.0.37 - fix(core): update

10.0.37

- fix(core): update

# 2023-11-03 - 10.0.36 - fix(core): update

10.0.36

- fix(core): update

# 2023-11-03 - 10.0.35 - fix(core): update

10.0.35

- fix(core): update

# 2023-11-03 - 10.0.34 - fix(core): update

10.0.34

- fix(core): update

# 2023-11-03 - 10.0.33 - fix(core): update

10.0.33

- fix(core): update

# 2023-10-12 - 10.0.32 - fix(core): update

10.0.32

- fix(core): update

# 2023-09-22 - 10.0.31 - fix(core): update

10.0.31

- fix(core): update

# 2023-08-31 - 10.0.30 - fix(core): update

10.0.30

- fix(core): update

# 2023-08-23 - 10.0.29 - fix(core): update

10.0.29

- fix(core): update

# 2023-07-12 - 10.0.28 - fix(core): update

10.0.28

- fix(core): update

# 2023-07-10 - 10.0.27 - fix(core): update

10.0.27

- fix(core): update

# 2023-07-10 - 10.0.26 - fix(core): update

10.0.26

- fix(core): update

# 2023-07-08 - 10.0.25 - fix(core): update

10.0.25

- fix(core): update

# 2023-06-25 - 10.0.24 to 10.0.14 - Series of Fixes

10.0.24 to 10.0.14

- Series of fixes in the core module

# 2023-01-09 - 10.0.13 to 10.0.6 - Series of Fixes

10.0.13 to 10.0.6

- Series of fixes in the core module

# 2022-09-05 - 10.0.5 to 10.0.3 - Series of Fixes

10.0.5 to 10.0.3

- Series of fixes in the core module

# 2022-06-07 - 10.0.2 to 10.0.1 - Series of Fixes

10.0.2 to 10.0.1

- Series of fixes in the core module

# 2022-06-07 - 9.0.7 - BREAKING CHANGE(core): switch to esm

9.0.7

- BREAKING CHANGE(core): switch to esm

# 2022-03-11 - 9.0.6 to 9.0.2 - Series of Fixes

9.0.6 to 9.0.2

- Series of fixes in the core module

# 2021-12-01 - 9.0.1 - fix(core): update

9.0.1

- fix(core): update

# 2021-12-01 - 9.0.0 - fix(absolute pathing)

9.0.0

- add functions for easily getting absolute paths

# 2021-11-30 - 8.0.11 - BREAKING CHANGE(relative pathing)

8.0.11

- improved relative pathing

# 2020-08-10 - 8.0.10 to 7.0.12 - Series of Fixes and Updates

8.0.10 to 7.0.12

- Series of fixes in the core module
- BREAKING CHANGE(Smartfile class): switch to a Buffer-only approach

# 2019-02-17 - 7.0.0 - fix(core): update dependencies

7.0.0

- fix(core): update dependencies

# 2019-01-27 - 6.0.12 - BREAKING CHANGE(smartfile.fs.fileExists)

6.0.12

- now returns a Promise

# 2018-08-19 - 6.0.11 to 6.0.6 - Series of Fixes

6.0.11 to 6.0.6

- Series of fixes in core and dependencies

# 2018-07-03 - 6.0.5 to 5.0.0 - Series of Fixes

6.0.5 to 5.0.0

- Series of fixes in core and dependencies

# 2018-02-16 - 4.2.28 - BREAKING CHANGE(scope)

4.2.28

- switch to pushrocks scope