

@push.rocks/project info

A tool for gathering project information, supporting npm, git, and more.

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Install

Install via npm:

```
npm install @push.rocks/projectinfo
```

Or with pnpm:

```
pnpm install @push.rocks/projectinfo
```

This module is ESM-only and requires Node.js 18+.

Usage

`@push.rocks/projectinfo` provides an async API for extracting npm and git metadata from any project directory. It uses `@push.rocks/smartfs` under the hood for filesystem operations.

All classes use async factory methods — no synchronous constructors.

Quick Start

```
import { ProjectInfo, ProjectinfoNpm, getNpmNameForDir } from '@push.rocks/projectinfo';
```

Get Full Project Info

The `ProjectInfo` class is the main entry point. It gathers both npm and git info from a given directory:

```
import { ProjectInfo } from '@push.rocks/projectinfo';

const info = await ProjectInfo.create('./my-project');

// npm info
console.log(info.npm.name);      // e.g. "@push.rocks/projectinfo"
console.log(info.npm.version);   // e.g. "5.0.2"
console.log(info.npm.license);   // e.g. "MIT"
console.log(info.npm.isNpm);     // true if package.json exists

// git info (parsed from directory path)
console.log(info.git.gitrepo);   // e.g. "projectinfo"
console.log(info.git.gituser);   // e.g. "push.rocks"

// project type
console.log(info.type);          // "npm" if package.json found, otherwise "git"
```

NPM Info Only

Use `ProjectinfoNpm` directly when you only need package.json data:

```
import { ProjectinfoNpm } from '@push.rocks/projectinfo';

const npm = await ProjectinfoNpm.create('/path/to/project');

if (npm.isNpm) {
  console.log(npm.name);          // package name
  console.log(npm.version);      // package version
  console.log(npm.license);      // license field
}
```

```
console.log(npm.packageJson); // full parsed package.json object
}
```

With Git Access Token

If your `package.json` has a `repository` field, `ProjectinfoNpm` will parse it into a `GitRepo` object. You can provide an access token for authenticated URLs:

```
const npm = await ProjectinfoNpm.create('/path/to/project', {
  gitAccessToken: 'ghp_your_token_here',
});

if (npm.git) {
  console.log(npm.git.httpsUrl); // e.g.
  "https://ghp_your_token_here@github.com/user/repo.git"
}
```

Git Info Only

Use `ProjectinfoGit` for path-based git metadata extraction:

```
import { ProjectinfoGit } from '@push.rocks/projectinfo';

// Parses the directory path to extract git user and repo
const git = new ProjectinfoGit('/home/user/repos/myorg/myrepo');

console.log(git.gituser); // "myorg"
console.log(git.gitrepo); // "myrepo"
```

You can also parse a remote URL:

```
git.getGitInfoFromRemote('git+https://github.com/someuser/somerepo.git');
```

Quick Helper: Get Package Name

A convenience function to quickly get the npm package name from a directory:

```
import { getNpmNameForDir } from '@push.rocks/projectinfo';
```

```
const name = await getNpmNameForDir('./my-project');
console.log(name); // e.g. "@push.rocks/projectinfo"
```

Returns `undefined` if no valid `package.json` is found.

API Reference

Class / Function	Description
<code>ProjectInfo.create(cwd)</code>	Async factory — gathers both npm + git info
<code>ProjectinfoNpm.create(cwd, opts?)</code>	Async factory — parses <code>package.json</code>
<code>ProjectinfoGit(cwd)</code>	Sync constructor — extracts git info from path
<code>getNpmNameForDir(cwd)</code>	Async helper — returns the npm package name

Types

```
type TProjectType = 'git' | 'npm';
```

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changelog.md for @push.rocks/projectinfo

2026-03-26 - 5.1.0 - feat(projectinfo)

migrate project info loading to async factories and update build configuration

- replace synchronous npm metadata loading with async factory methods in ProjectInfo and ProjectInfoNpm
- switch filesystem access from @push.rocks/smartfile to @push.rocks/smartfs and update helper/tests for async usage
- refresh build tooling and project metadata configuration, including .smartconfig.json and tsbuild script updates

2024-05-29 - 5.0.2 - maintenance

Repository metadata and configuration updates across 5.0.2.

- Updated project description
- Updated TypeScript configuration
- Updated npmextra.json githost settings

2023-08-08 - 5.0.1 - core

Small core maintenance release with repository organization updates.

- Fixed a core update
- Switched to the new organization scheme

2022-04-18 - 5.0.0 - core

Major release introducing an ESM migration.

- BREAKING CHANGE: switched the package to ESM
- Included a core update alongside the release

2020-06-01 - 4.0.3-4.0.5 - core

Grouped maintenance releases with repeated core update work.

- 4.0.3 and 4.0.4 delivered routine core fixes
- 4.0.5 introduced a breaking change by switching core packaging behavior toward ESM compatibility

2018-09-02 - 4.0.0-4.0.2 - package

Infrastructure and package metadata updates across the 4.0.x line.

- 4.0.0 updated CI configuration
- 4.0.1 fixed the private parameter in package.json
- 4.0.2 delivered another core update

2018-09-02 - 3.0.4-3.0.5 - scope

Dependency maintenance followed by a breaking scope adjustment.

- 3.0.4 updated dependencies
- 3.0.5 introduced a BREAKING CHANGE by changing scope

2017-09-22 - 3.0.1-3.0.3 - maintenance

Routine maintenance releases focused on dependencies, CI, and documentation.

- 3.0.1 updated dependencies and README
- 3.0.2 updated dependencies
- 3.0.3 updated CI

2016-11-26 - 3.0.0 - documentation

Documentation-only release.

- Updated README

2016-11-26 - 2.0.0 - core

Feature release introducing the main project information class.

- Added the ProjectInfo main class

2016-10-27 - 1.0.3-1.0.4 - maintenance

Project standards, tooling, and documentation improvements.

- 1.0.3 updated smartfile, CI base image, and added README
- 1.0.4 updated the project to meet newer standards

2016-06-08 - 1.0.1-1.0.2 - refactor

Dependency and structure updates across early 1.x releases.

- 1.0.1 updated dependencies and restructured code
- 1.0.2 updated dependencies, project structure, and typings configuration

2016-02-23 - 1.0.0 - core

Initial stable release with token handling improvements.

- Added token handling correctly
- Included a small lint fix

2016-02-21 - 0.0.3-0.0.5 - core

Early project setup and metadata expansion.

- 0.0.3 updated project structure
- 0.0.4 added .license support to the npm class
- 0.0.5 added repository information and git metadata

2016-02-20 - 0.0.0-0.0.2 - bootstrap

Initial bootstrap releases establishing the project foundation.

- Added Travis CI setup
- Added a second npm version
- Added the getName function