

readme.md for @push.rocks/smartlegal

go legal programmatically

Install

You can install `@push.rocks/smartlegal` using npm:

```
npm install @push.rocks/smartlegal --save
```

Or using Yarn:

```
yarn add @push.rocks/smartlegal
```

Ensure you have TypeScript and the necessary TypeScript types installed for optimal development experience:

```
npm install typescript @types/node --save-dev
```

Usage

`@push.rocks/smartlegal` offers a streamlined approach to handling legal operations programmatically. It is designed with ease-of-use in mind, allowing developers to integrate legal checks into their workflow. The primary feature as showcased in the current version is a license checker, which is invaluable for projects that need to ensure compliance with legal requirements regarding dependencies' licenses.

Getting Started

To use `@push.rocks/smartlegal`, first import the module in your TypeScript project:

```
import { createLicenseChecker } from '@push.rocks/smartlegal';
```

Checking Licenses

The module provides functions to either include or exclude specific licenses within your project's dependencies, making it easier to manage legal compliance.

Excluding Specific Licenses

If you want to exclude specific licenses, you may use the `excludeLicenseWithinPath` function. This function checks all dependencies and lists those not compliant with the specified licenses.

```
(async () => {  
  const licenseChecker = await createLicenseChecker();  
  const checkResult = await licenseChecker.excludeLicenseWithinPath('./', ['MIT']);  
  console.log('Passing modules (compliant):', checkResult.passingModules);  
  console.log('Failing modules (non-compliant):', checkResult.failingModules);  
})();
```

Including Specific Licenses

Conversely, to ensure only dependencies with certain licenses are used, employ the `includeLicencesWithinPath` function.

```
(async () => {  
  const licenseChecker = await createLicenseChecker();  
  const checkResult = await licenseChecker.includeLicencesWithinPath('./', ['MIT']);  
  console.log('Passing modules (compliant):', checkResult.passingModules);  
  console.log('Failing modules (non-compliant):', checkResult.failingModules);  
})();
```

Understanding the Results

Both `excludeLicenseWithinPath` and `includeLicencesWithinPath` methods return a `CheckResult` object containing two arrays: `passingModules` and `failingModules`.

- `passingModules` includes all dependencies that meet your specified criteria (either included or excluded licenses).
- `failingModules` lists those dependencies that do not meet the criteria, aiding in identifying potential legal compliance issues quickly.

Integration into CI/CD Pipelines

`@push.rocks/smartlegal` is designed to be easily integrated into CI/CD pipelines, enabling automated checks for license compliance. By incorporating the above examples into your build or deployment scripts, you can halt the pipeline if non-compliant dependencies are detected, ensuring legal compliance at each stage of development.

Conclusion

`@push.rocks/smartlegal` provides an essential tool for managing the legal aspects of your project's dependencies. By leveraging its functionality, developers can ensure compliance with legal requirements, minimizing risks associated with software licenses. As projects evolve and dependencies change, `@push.rocks/smartlegal` simplifies the ongoing maintenance of legal compliance, making it an invaluable addition to any project.

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For any legal inquiries or if you require further information, please contact us via email at hello@task.vc.

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