

readme.md for

@push.rocks/smartvalidator

a wrapper for the validator package to perform validations

Install

To use `@push.rocks/smartvalidator` in your project, installation via npm or yarn is straightforward. Run the following command in your project directory:

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

or if you prefer using yarn:

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

This will download the package and add it to your `node_modules` folder as well as list it as a dependency in your `package.json` file.

Usage

`@push.rocks/smartvalidator` serves as a convenient wrapper around the popular `validator` library, providing you with additional utilities and simplifications for validation tasks. Below is a comprehensive guide on how to leverage `@push.rocks/smartvalidator` effectively in your TypeScript project.

First, ensure that your module system supports ECMAScript Modules (ESM) syntax and that you have TypeScript configured in your project.

Getting Started

To begin, import `SmartValidator` from the package:

```
import { SmartValidator } from '@push.rocks/smartvalidator';
```

Create an instance of `SmartValidator`:

```
const validator = new SmartValidator();
```

Validating an IBAN

Validating an International Bank Account Number (IBAN) is straightforward:

```
const iban = 'AT95 0100 0000 0555 4915';
if (validator.isIban(iban)) {
  console.log('The IBAN is valid.');
```

```
} else {
  console.log('The IBAN is invalid.');
```

```
}
```

Checking URLs

To check if a string is a valid URL:

```
const url = 'https://example.com';
if (validator.isUrl(url)) {
  console.log('The URL is valid.');
```

```
} else {
```

```
  console.log('The URL is invalid.');
```

```
}
```

Escaping Strings

When you need to escape strings, for instance, to sanitize input data:

```
const userInput = '<script>alert("xss")</script>';
const escapedInput = validator.escape(userInput);
console.log(escapedInput); // Output will have HTML special characters escaped
```

Checking CSV Strings

You can check if a string could potentially be interpreted as CSV data:

```
const csvString = 'name,age,city\nJohn Doe,29,New York';
if (validator.isCsv(csvString)) {
  console.log('The string is likely a CSV data.');
```

```
} else {
  console.log('The string is unlikely to be CSV data.');
```

```
}
```

Underlying Validator Access

The underlying `validator` library can be accessed directly if you need functionalities not directly exposed by `SmartValidator`:

```
const email = 'example@example.com';
if (SmartValidator.validator.isEmail(email)) {
  console.log('The email address is valid.');
```

```
} else {
  console.log('The email address is invalid.');
```

```
}
```

Additional Notes

- Keep in mind that while `@push.rocks/smartvalidator` simplifies certain tasks, not all functionalities of the `validator` library are wrapped. Access the original validator object for advanced use cases.
- For contributions or issues, please refer to the project's GitHub repository.

Note: The usage examples shown above cover basic usage and common validation tasks. For more complex use cases, feel free to explore the original `validator` library's [documentation](#) as `@push.rocks/smartvalidator` simply extends its capabilities.

By integrating `@push.rocks/smartvalidator` into your project, you leverage a streamlined, typed interface for data validation, enhancing both development experience and code maintainability.

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