

# readme.md for @push.rocks/smartsmtplib

a module for handling smtp stuff

## Install

To install `@push.rocks/smartsmtplib`, use the following command with npm:

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

Ensure that you are installing the package in a project set up with TypeScript and support for ECMAScript modules, as the usage examples provided will rely on this configuration.

## Usage

`@push.rocks/smartsmtplib` simplifies handling SMTP-based emailing in Node.js applications, offering a streamlined interface to create transporters and send emails using popular services like Nodemailer and enhancements for template-based emails via `@pushrocks/smartmail`. This guide walks you through setting up a `Smartsmtplib` instance and sending emails.

## Setting Up

First, ensure you import the necessary classes from the module. Here's how you set up your imports using ESM syntax:

```
import { Smartsmtplib } from '@push.rocks/smartsmtplib';
```

## Creating SMTP Transport

`@push.rocks/smartsmtplib` provides two primary ways to set up an SMTP transporter: through direct SMTP server credentials or utilizing the local `sendmail` command.

# SMTP Server Credentials

To connect to an SMTP server directly, you'll need the server address, username, and password. Here's how you can create a `Smartsmtplib` instance using SMTP server credentials:

```
// Define your SMTP configuration
const smtpOptions = {
  smtpServer: 'smtp.example.com',
  smtpUser: 'user@example.com',
  smtpPassword: 'yourPassword'
};

// Async function to create and use a Smartsmtplib instance
async function setupSmtp() {
  const smtpInstance = await Smartsmtplib.createSmartsmtplibWithRelay(smtpOptions);

  // smtpInstance is now ready to use
}
```

## Using Sendmail

If you wish to use the local `sendmail` command, which is common in UNIX environments, you can create a `Smartsmtplib` instance dedicated to that:

```
async function setupSendmail() {
  const sendmailInstance = await Smartsmtplib.createSmartsmtplibSendmail();

  // sendmailInstance is now ready to use for sending emails
}
```

## Sending Emails

With a `Smartsmtplib` instance ready, you can send emails. This requires creating a `Smartmail` instance (from the `@pushrocks/smartmail` package) that defines the email configuration, including subjects, recipients, and body content.

```
import { Smartmail } from '@pushrocks/smartmail';

async function sendEmail(smtpInstance: Smartsmtplib) {
  // Create a Smartmail instance
```

```
const myEmail = new Smartmail({
  from: 'me@example.com',
  subject: 'Test Email',
  body: 'This is a test email sent using @push.rocks/smartsmtplib.'
});

// Use the smtpInstance to send the email
const result = await smtpInstance.sendSmartMail(myEmail, 'recipient@example.com');

console.log(result); // Check the result
}
```

In the example above, `Smartmail` is utilized to define the base content of the email being sent. The `sendSmartMail` method of `Smartsmtplib` takes this email configuration, alongside recipient details, and performs the sending operation.

This completes the basic usage guide for `@push.rocks/smartsmtplib`. With these steps, you can integrate straightforward SMTP email sending capabilities into your Node.js applications, leveraging modern TypeScript syntax and ESM modules. For further customization and advanced features, refer to the documentation of Nodemailer and `@pushrocks/smartmail`.

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