

@push.rocks/webjwt

A package for handling JWTs in web environments.

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

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a package to handle jwt in the web

Install

To install `@push.rocks/webjwt`, ensure you have Node.js and npm installed. Then run the following command in your terminal:

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

This command installs `@push.rocks/webjwt` and adds it to your project's `package.json` dependencies.

Usage

This module provides a streamlined way to handle JSON Web Tokens (JWT) within web contexts, leveraging TypeScript for type safety and developer ergonomics. Let's dive into how you can utilize `@push.rocks/webjwt` in your project.

Importing the Module

First, import the necessary functions from the module in your TypeScript file:

```
import { getDataFromJwtString } from '@push.rocks/webjwt';
```

Decoding JWT

`@push.rocks/webjwt` simplifies the process of decoding JWTs to extract data payloads without dealing with the intricacies of token verification or parsing manually. Here's a basic example of decoding a JWT string to extract its payload:

In a web application, you might want to use JWTs for user authentication. After the user logs in, you receive a JWT from your authentication server. You can then decode this token on the client side to obtain user-specific information without making additional requests to the server:

```
// This example assumes you have a function to get the auth token, e.g., from local storage or
a cookie
const authToken: string = getAuthTokenFromStorage();

// Define the expected structure of your authentication payload
interface AuthPayload {
  userId: string;
  userName: string;
  roles: string[];
}

// Decode the authentication token
const authInfo = getDataFromJwtString<AuthPayload>(authToken);

// Use the decoded information, for example, to customize the UI
console.log(`Welcome, ${authInfo.userName}!`);
// Potentially, check for roles to display certain UI elements
if (authInfo.roles.includes('admin')) {
  console.log('Displaying admin panel...');
}
```

[@push.rocks/webjwt](#) enables efficient, type-safe handling of JWTs in your TypeScript web projects, simplifying the process of decoding and utilizing token payloads according to your application's requirements.

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