**What is jsonwebtoken?** [**https://chatgpt.com/share/67b1cc63-d8c0-8001-bd16-99e4ab958eb4**](https://chatgpt.com/share/67b1cc63-d8c0-8001-bd16-99e4ab958eb4)

jsonwebtoken (also known as jwt) is a Node.js library used for creating and verifying **JSON Web Tokens (JWTs)**. JWTs are a secure way to handle authentication and authorization in web applications.

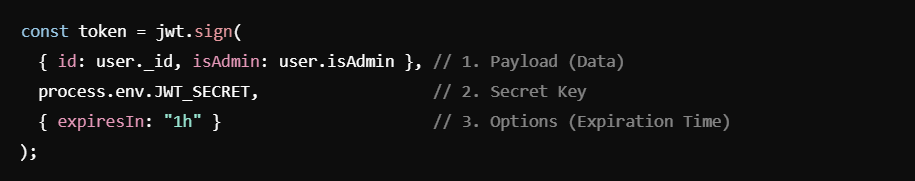
**Why Use JSON Web Tokens (JWT)?**

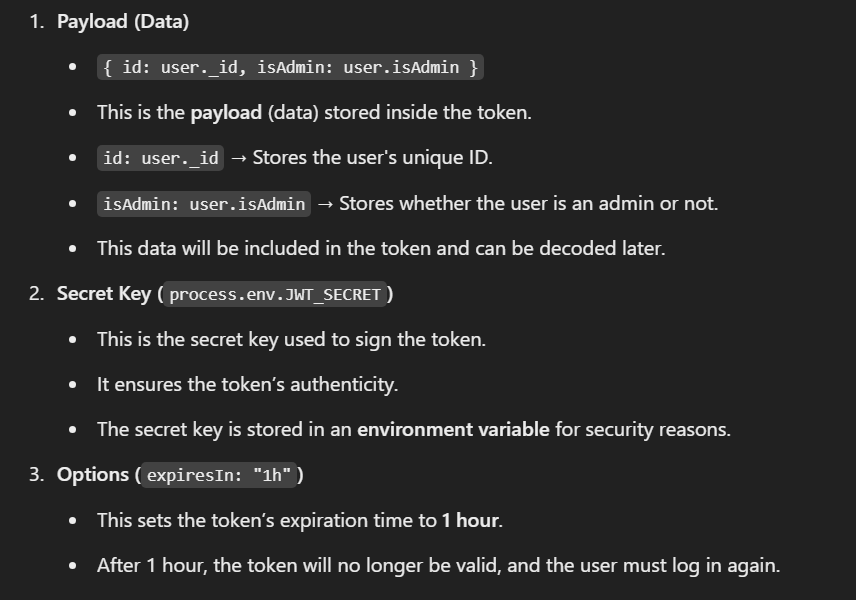
* **Authentication**: Used to verify users after they log in.
* **Authorization**: Allows access to protected routes based on user roles.
* **Stateless**: No need to store session data on the server; everything is inside the token.

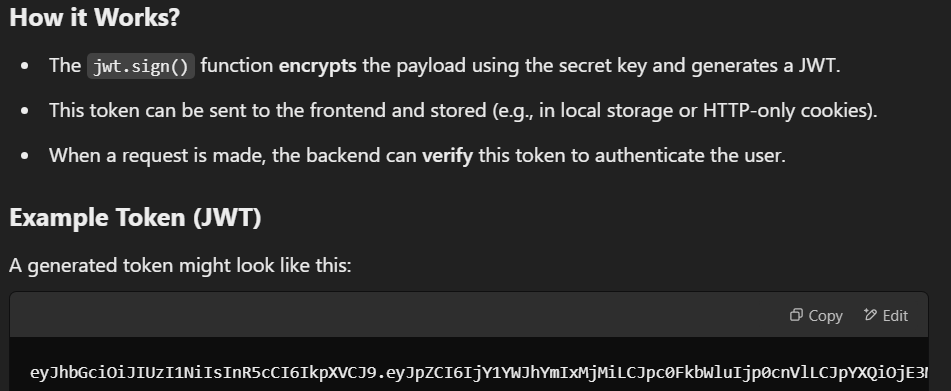
npm install jsonwebtoken

**How JWT Works?**

1. **User Logs In**
   * Backend generates a JWT using jsonwebtoken.
   * Token is sent to the frontend.
2. **Frontend Stores Token**
   * Token is stored in **local storage** or **HTTP-only cookies**.
3. **User Sends Token with Requests**
   * Token is attached to API requests (usually in the Authorization header).
4. **Backend Verifies Token**
   * If the token is valid, the request is processed.
   * If the token is expired or invalid, access is denied.







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