

## Para saber mais: gerador de JWTs

A [Auth0](https://auth0.com/) (<https://auth0.com/>) possui uma plataforma chamada [jwt.io](https://jwt.io/) (<https://jwt.io/>) que permite a decodificação, verificação e geração de um JWT através de uma interface gráfica. Lá é possível criar tokens com diferentes cabeçalhos, *payloads*, algoritmos de assinatura e senhas secretas.

The screenshot displays the JWT.io web application interface. At the top, there is a navigation bar with the JWT logo, links for Debugger, Libraries, Introduction, Ask, and Get a T-shirt!, and a note 'Crafted by Auth0'. Below the navigation bar, the 'ALGORITHM' dropdown is set to 'HS256'. The interface is split into two main sections: 'Encoded' and 'Decoded'.

**Encoded Section:** Labeled 'PASTE A TOKEN HERE', it contains a text area with the following JWT token: `eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4gRG9lIiwiaWF0IjoxNTE2MjM5MDIyfQ.SflKxwRJSMeKKF2QT4fwpMeJf36P0k6yJV_adQssw5c`.

**Decoded Section:** Labeled 'EDIT THE PAYLOAD AND SECRET', it shows the decoded structure of the token in three parts:

- HEADER: ALGORITHM & TOKEN TYPE:**

```
{  "alg": "HS256",  "typ": "JWT"}
```
- PAYLOAD: DATA:**

```
{  "sub": "1234567890",  "name": "John Doe",  "iat": 1516239022}
```
- VERIFY SIGNATURE:** Shows the HMACSHA256 formula: `HMACSHA256(base64UrlEncode(header) + "." + base64UrlEncode(payload), your-256-bit-secret)`. Below the formula, there are two checkboxes: 'secret' (checked) and 'base64 encoded'.