

05

## 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 shows the jwt.io debugger interface. At the top, there's a navigation bar with links for Debugger, Libraries, Introduction, Ask, Get a T-shirt!, and a Crafted by Auth0 logo. Below the navigation, there's a dropdown menu labeled "ALGORITHM" set to "HS256".

The main area is divided into two sections: "Encoded" and "Decoded".

**Encoded:** Contains the string: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6Ikpvag4gRG9lIiwiawF0IjoxNTE2MjM5MDIyfQ.Sf1KxwRJSMeKKF2QT4fwpMeJf36P0k6yJV\_adQssw5c

**Decoded:** Contains the decoded token structure:

```
HEADER: ALGORITHM & TOKEN TYPE
{
  "alg": "HS256",
  "typ": "JWT"
}

PAYLOAD: DATA
{
  "sub": "1234567890",
  "name": "John Doe",
  "iat": 1516239822
}

VERIFY SIGNATURE
HMACSHA256(
  base64UrlEncode(header) + "." +
  base64UrlEncode(payload),
  your-256-bit-secret
) ☐ secret base64 encoded
```