**Why use JSON Web Token (JWT)**

1. Stateless

2. Scalable in Distributed Systems

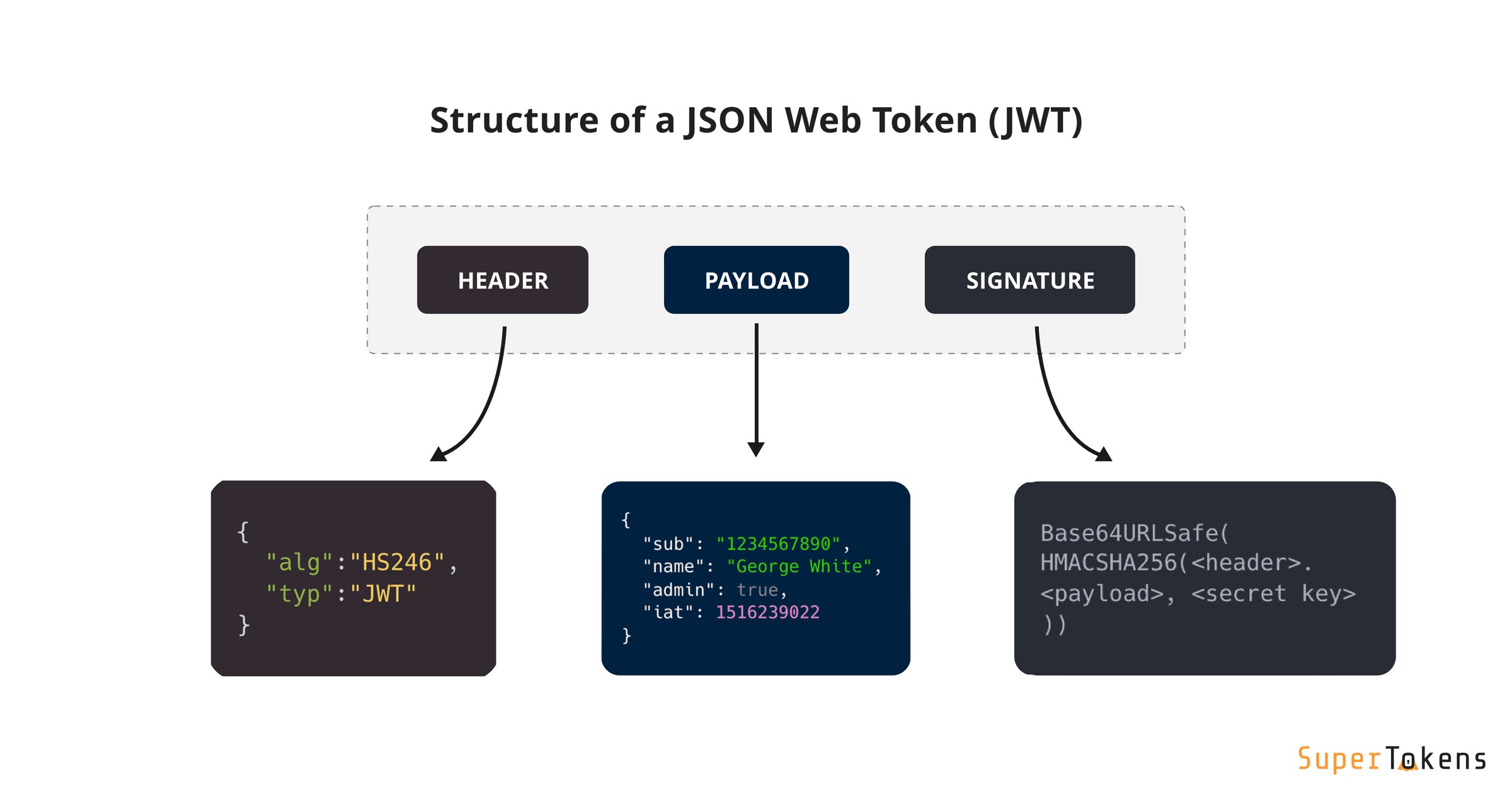
3. Cross domain authentication

4. Ideal for Decentralized systems and microservices

5. Highly secure

**JSON Web Token (JWT)**

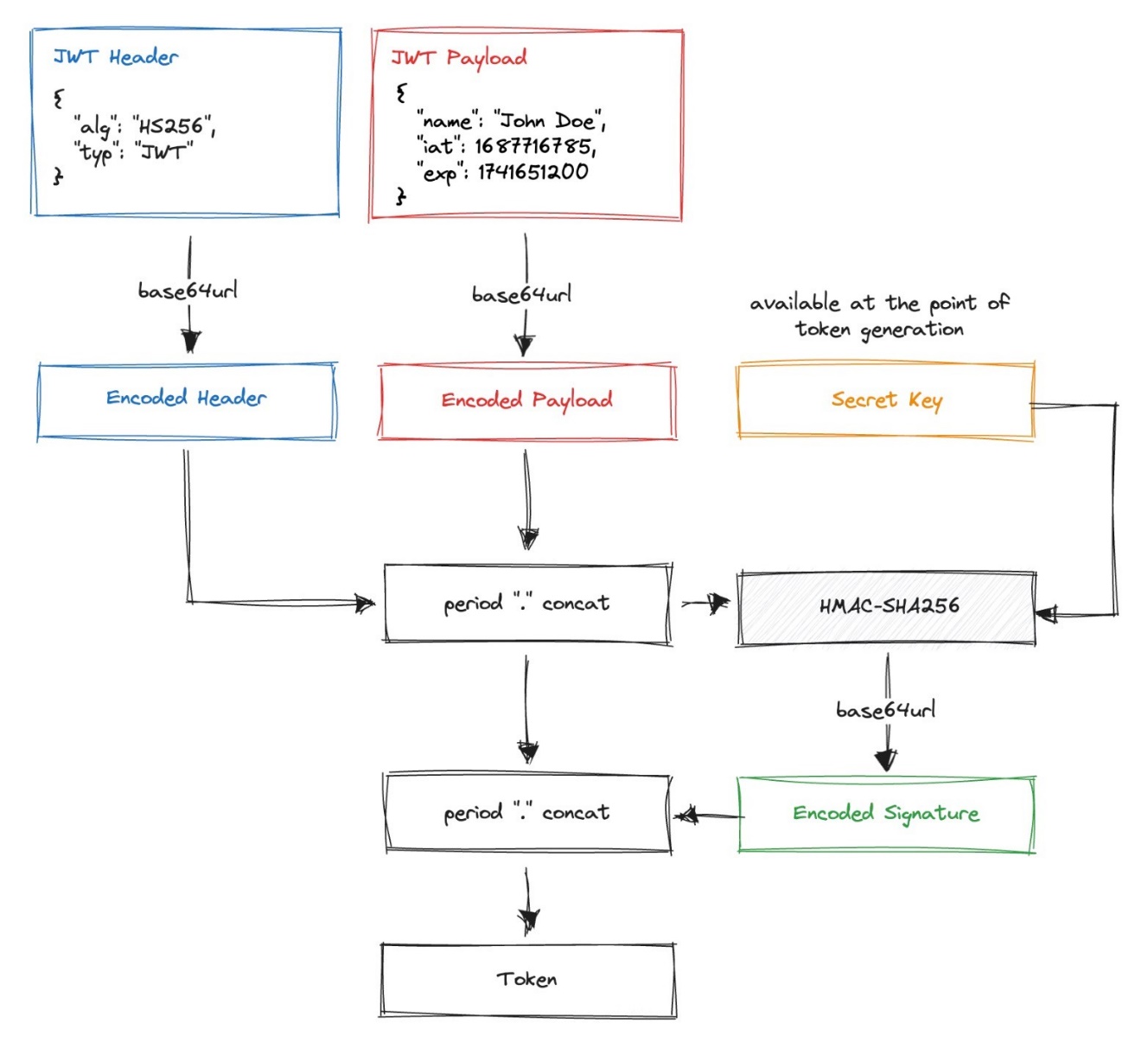
JWT is a compact, URL-safe means of representing claims to be transferred between two parties. JWT is often used to transmit non-sensitive data that doesn't require confidentiality but still needs integrity and authenticity. This includes user identifiers, roles, permissions, and other claims necessary for making access control decisions



**JWT Creation**

Sample Token:

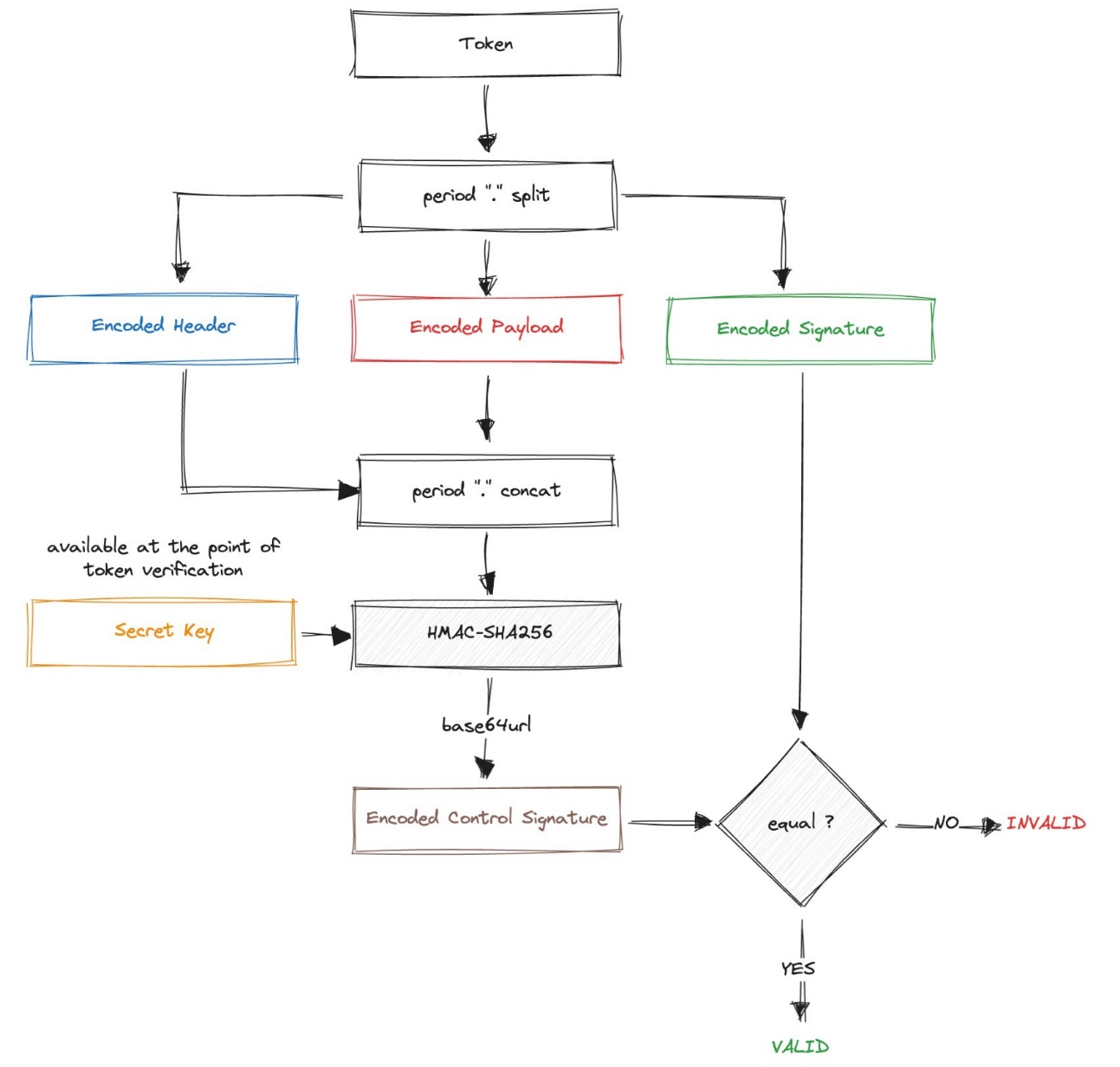
eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiI0NSIsI nJvbGVzIjpbIlJJREVSIl0sImlhdCI6MTcy MTU2NzUxOSwiZXhwIjoxNzIxNTgxOTE 5fQ.pIEiLEboraXMhJrm8ckRLpoYSWC6n 9mY3XNlCpLFE4I



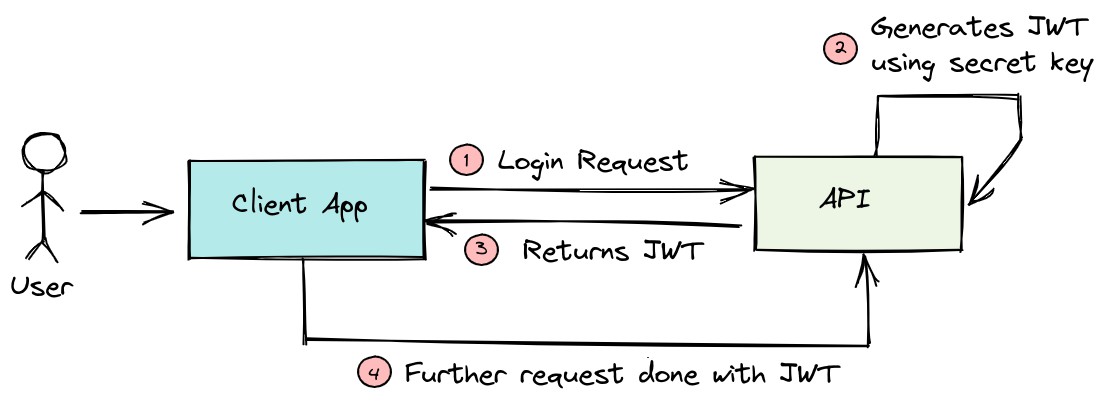
**JWT Verification**

Sample Token:

eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiI0NSIsI nJvbGVzIjpbIlJJREVSIl0sImlhdCI6MTcy MTU2NzUxOSwiZXhwIjoxNzIxNTgxOTE 5fQ.pIEiLEboraXMhJrm8ckRLpoYSWC6n 9mY3XNlCpLFE4I

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**Using JWT For Authentication**



**JWT DEPENDENCIES**

