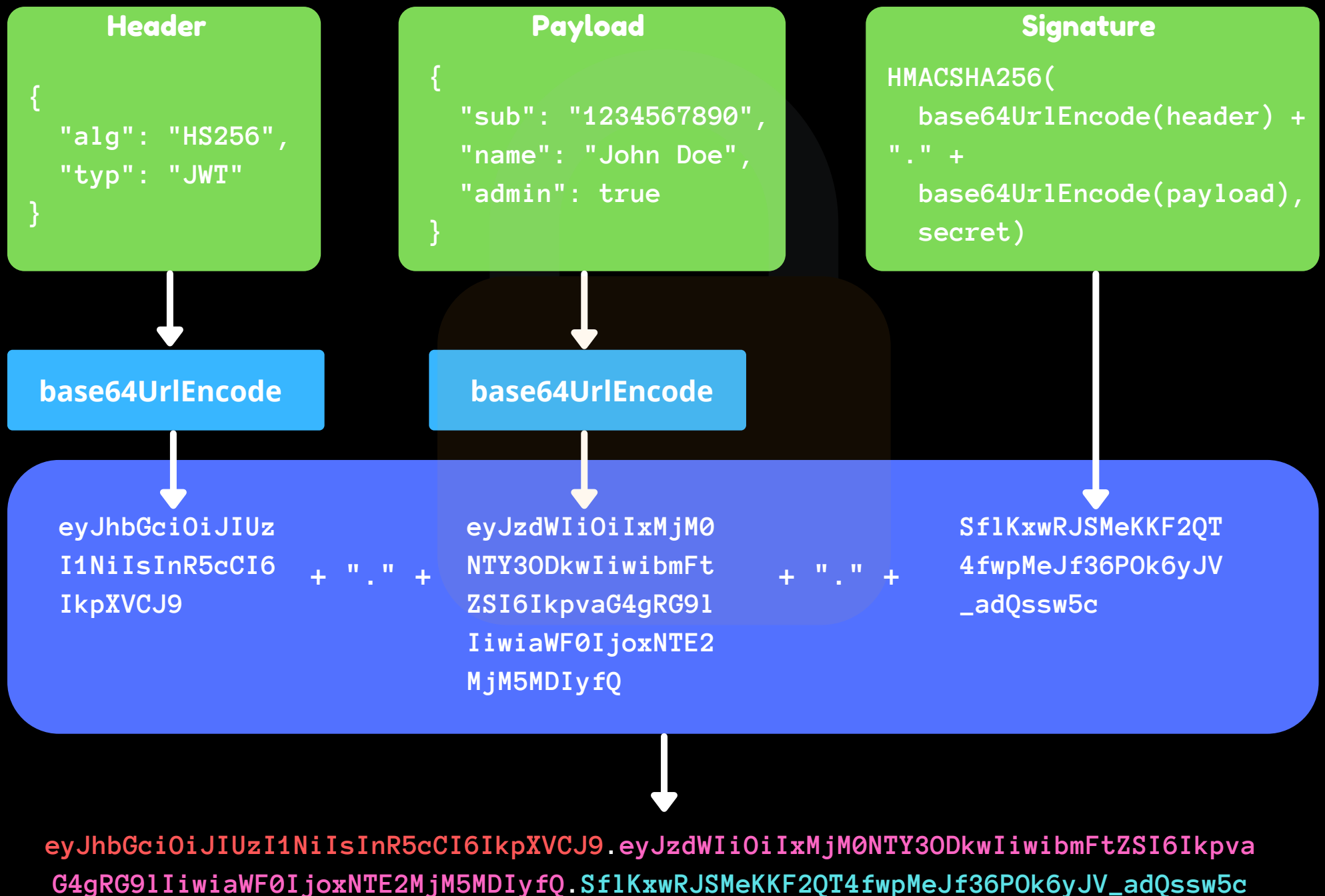# JWT Token Generation

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JSON Web Token (JWT) is an open standard (RFC 7519) that defines a compact and self-contained way for securely transmitting information between parties as a JSON object. JSON Web Tokens consist of three parts separated by dots (.), which are: Header, Payload and, Signature. Therefore, a JWT typically looks like the following.

xxxxx.yyyyy.zzzzz

Header

```
{
  "alg": "HS256",
  "typ": "JWT"
}
```

Payload

```
{
  "sub": "1234567890",
  "name": "John Doe",
  "admin": true
}
```

Signature

```
HMACSHA256(
  base64UrlEncode(header) +
  "." +
  base64UrlEncode(payload),
  secret)
```

base64UrlEncode

base64UrlEncode

eyJhbGciOiJIUz
I1NiIsInR5cCI6
IkpXVCJ9

+ "." +

eyJzdWIiOiIxMjM0
NTY3ODkwIiwibmFt
ZSI6IkpvaG4gRG9l
IiwiaWF0IjoxNTE2
MjM5MDIyfQ

+ "." +

SflKxwRJSMeKKF2QT
4fwpMeJf36POk6yJV
_adQssw5c

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6Ikpva
G4gRG9lIiwiaWF0IjoxNTE2MjM5MDIyfQ.SflKxwRJSMeKKF2QT4fwpMeJf36POk6yJV_adQssw5c

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SflKxwRJSMeKKF2QT
4fwpMeJf36POk6yJV
_adQssw5c

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9 eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6Ikpvva
G4gRG9lIiwiaWF0IjoxNTE2MjM5MDIyfQ SflKxwRJSMeKKF2QT4fwpMeJf36POk6yJV_adQssw5c