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What are JWTs?





JSON DATA

CRYPTOGRAPHICALLY SIGNED









SIMPLE IN NATURE

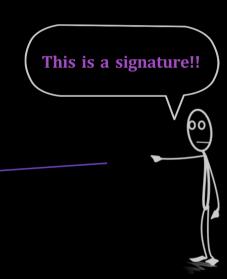
What is a Cryptographic Signature

I got your contact from a South African health officer in Ghana.

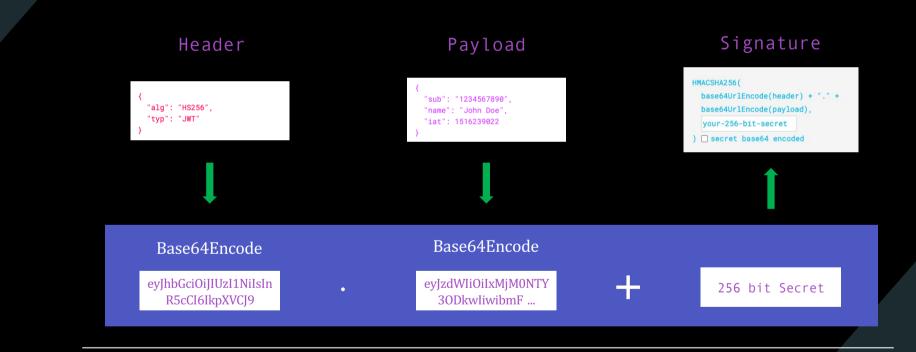
I need to move 1,000 Carats of polished Diamond.

Note, this transaction is 100% risk free and dose not attracts any danger.

tt. Kamanda Koroma



Create a JWT



Create a JWT

JWT



Header (base64)

eyJhbGciOiJIUzI1NiIsIn R5cCI6IkpXVCJ9 Payload (base64)

eyJzdWIiOiIxMjM0NTY 30DkwIiwibmF ... Signature (HMAC)

A6ubTS5mqLu_y0yb 6H515e5ZNq2h ...

Definitions



Stateless

A JWT that is entirely self-contained, and holds all user information necessary to complete a transaction



Stateful

A JWT that only contains a session
ID or user identifier (SubscriberKey).
All user data is stored server-side
and need to be retrieved



Claims

Claims are statements about an entity (typically, the user) and additional data. There are three types of claims: registered, public, and private claims.

What can we use JWT for?



Prove that some JSON data can be trusted



Server-to-server integrations with short EXP claim



API authentication

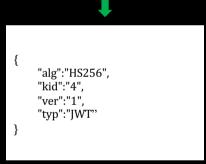


SFMC – customer access to Cloudpages



SFMC REST API

eyJhbGciOiJIUzIINiIsImtpZCI6ljQiL....... eyJhY2Nlc3NfdG9rZW4iOiI2WnpaZVcyd2l5VHZSRDhycEtkUTJUMzkiLCJjb....... JdmRdEbzPZcSJtS9Oi48E25rvsqxulyD92Xd4mP6ZE.....



```
{
    "access_token":"6ZzZeW2wmyTvRD8rpKdQ2T49",
    "client_id":'knfojh0gh9zfyja0vfrQz6tq",
    "eid":5328912,
    "stack_key":"S6",
    "platform_version":2,
    "client_type":"ServerToServer"
}
```

Signature

JWT in AMP Script is here!

GetJWT

GetJWTByKeyName

1 string GetJWT(string key, string algorithm, string jsonPayload)

SET @JWT = GetJWTByKeyName("INT_SECRET", "HS256", @JSON)

 $eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY30DkwIiwibmFtZSI6IkpvaG4gRG9lIiwiaWF0IjoxNTE\\ 2MjM5MDIyfQ.SflKxwRJSMeKKF2QT4fwpMeJf36P0k6yJV_adQssw5c\\$

