

Exploitation of Json Web Tokens

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What is JSON?

JSON (JavaScript Object Notation) is a lightweight format that is used for data interchanging.

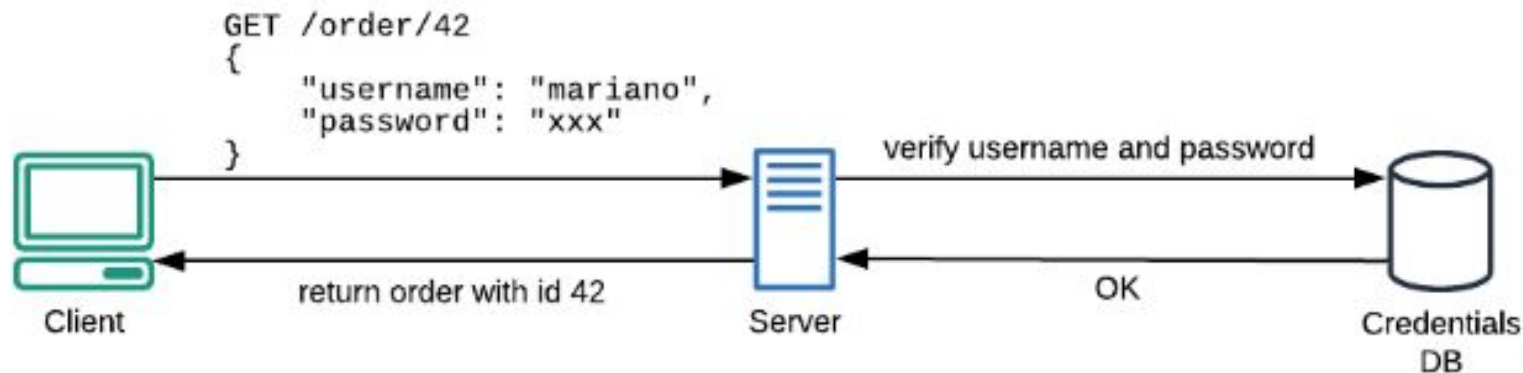
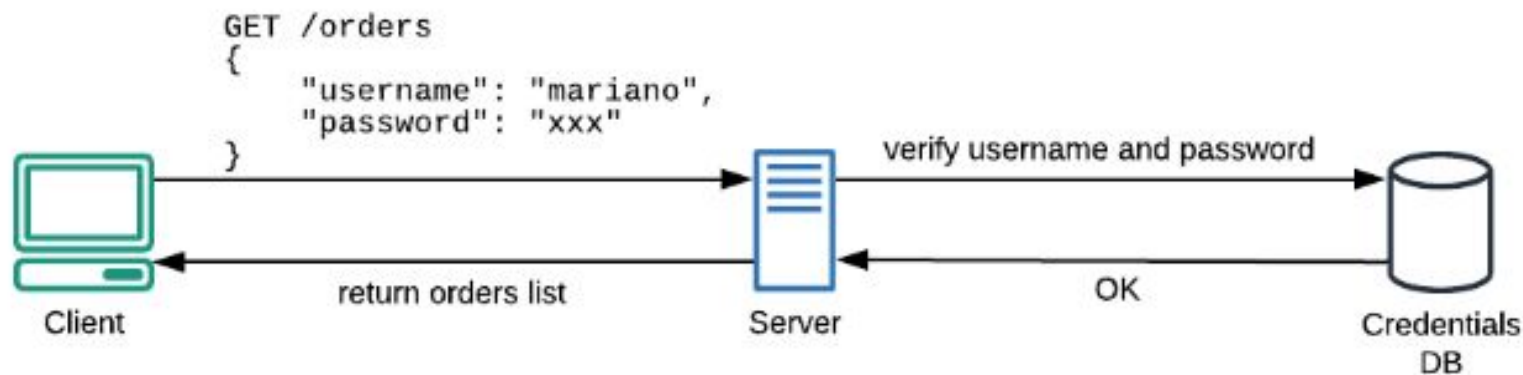
```
{  
  "firstName": "John",  
  "lastName": "Smith",  
  "address": {  
    "streetAddress": "21 2nd Street",  
    "city": "New York",  
    "state": "NY",  
    "postalCode": 10021  
  },  
  "phoneNumbers": [  
    "212 555-1234",  
    "646 555-4567"  
  ]  
}
```

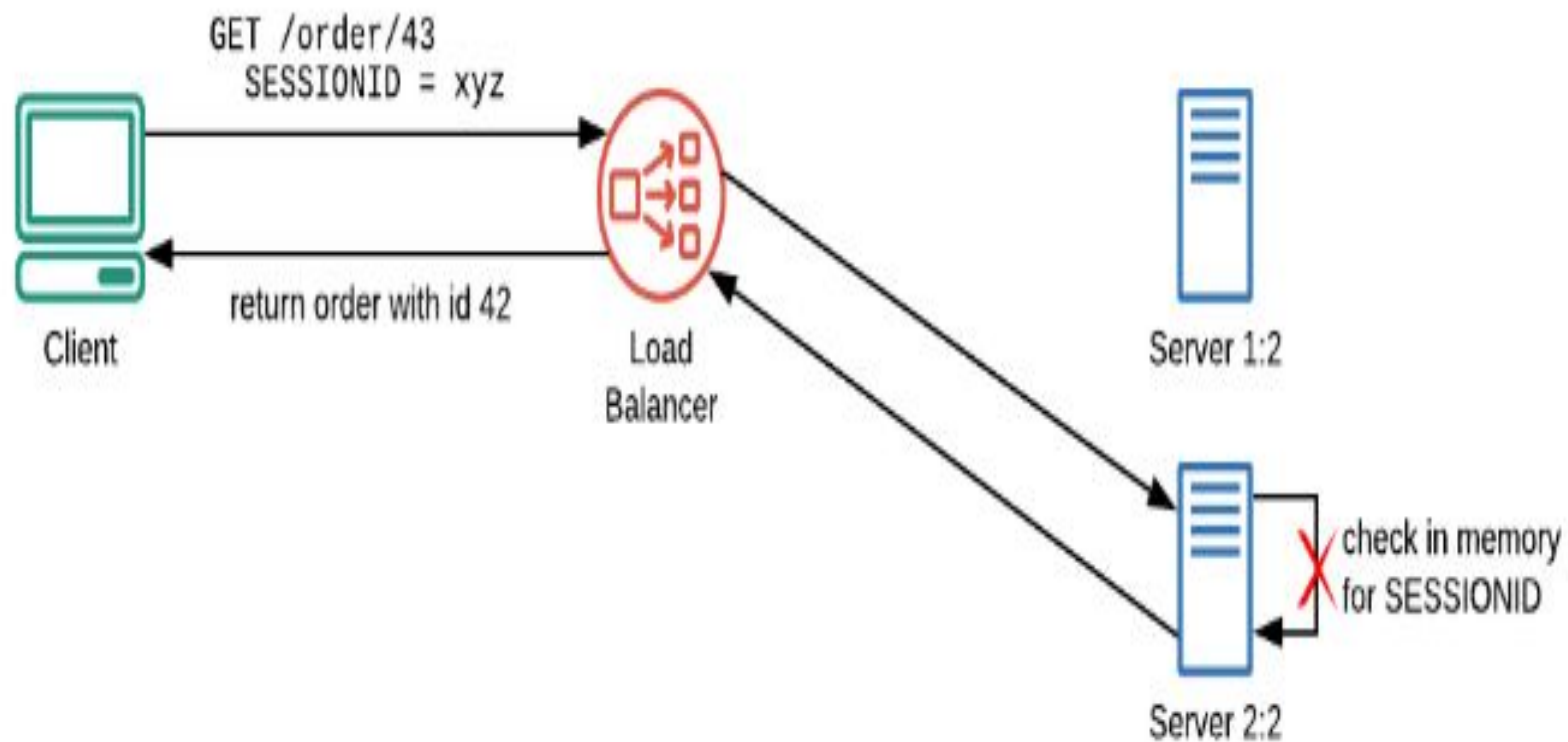
What is JWT?

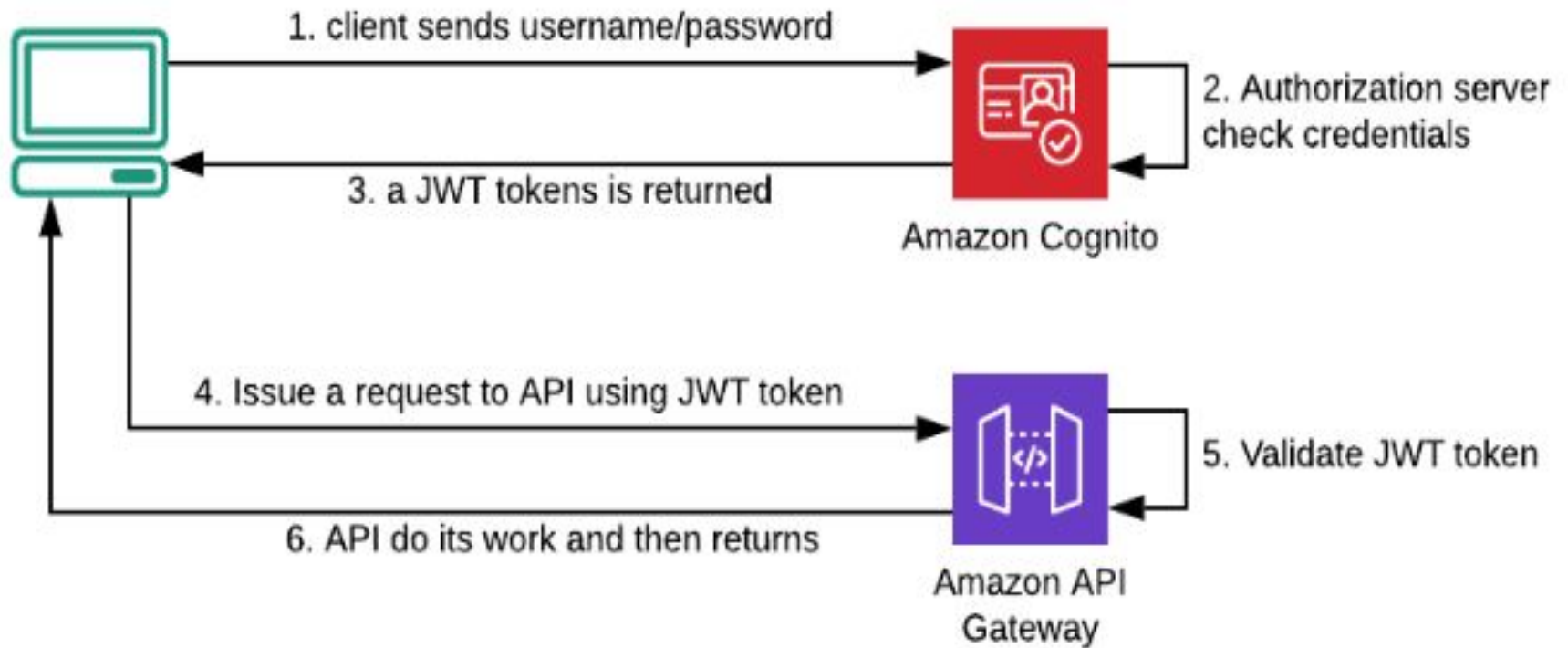
JSON Web Token (JWT) is an open standard that defines a compact and self-contained way for securely transmitting information between parties as a JSON object. This information can be verified and trusted because it is digitally signed. JWTs can be signed using a secret (with the **HMAC** algorithm).

Why need for it in
industry?



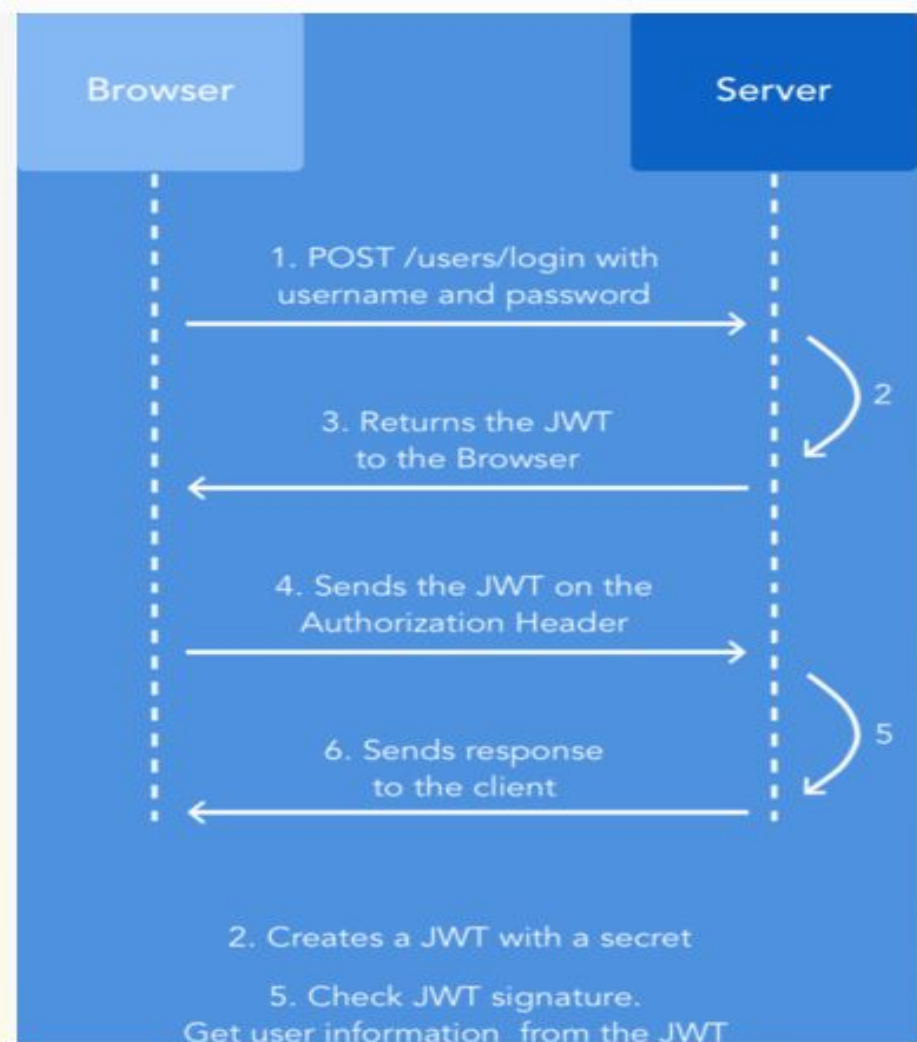






JWT workflow

Architecture of JWT



How the token look like?

```
Base64 (Header) . Base64 (Data) . Base64 (Signature)
```

Multiple signature methods used for JWT integrity

- RSA Based
- Elliptic curves
- HMAC
- None

Exploitation of JWT

Bang ..!!! Bang ..!!!

Thank You

Any queries.....

