

# Token Authentication



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# This Module

## Token Authentication



# JWTs

- JSON Web Tokens
  - Industry Standard for tokens
  - Self-contained, small and complete
    - Credentials
    - Claims
    - Other Information

# Structure of a JWT

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

HEADER

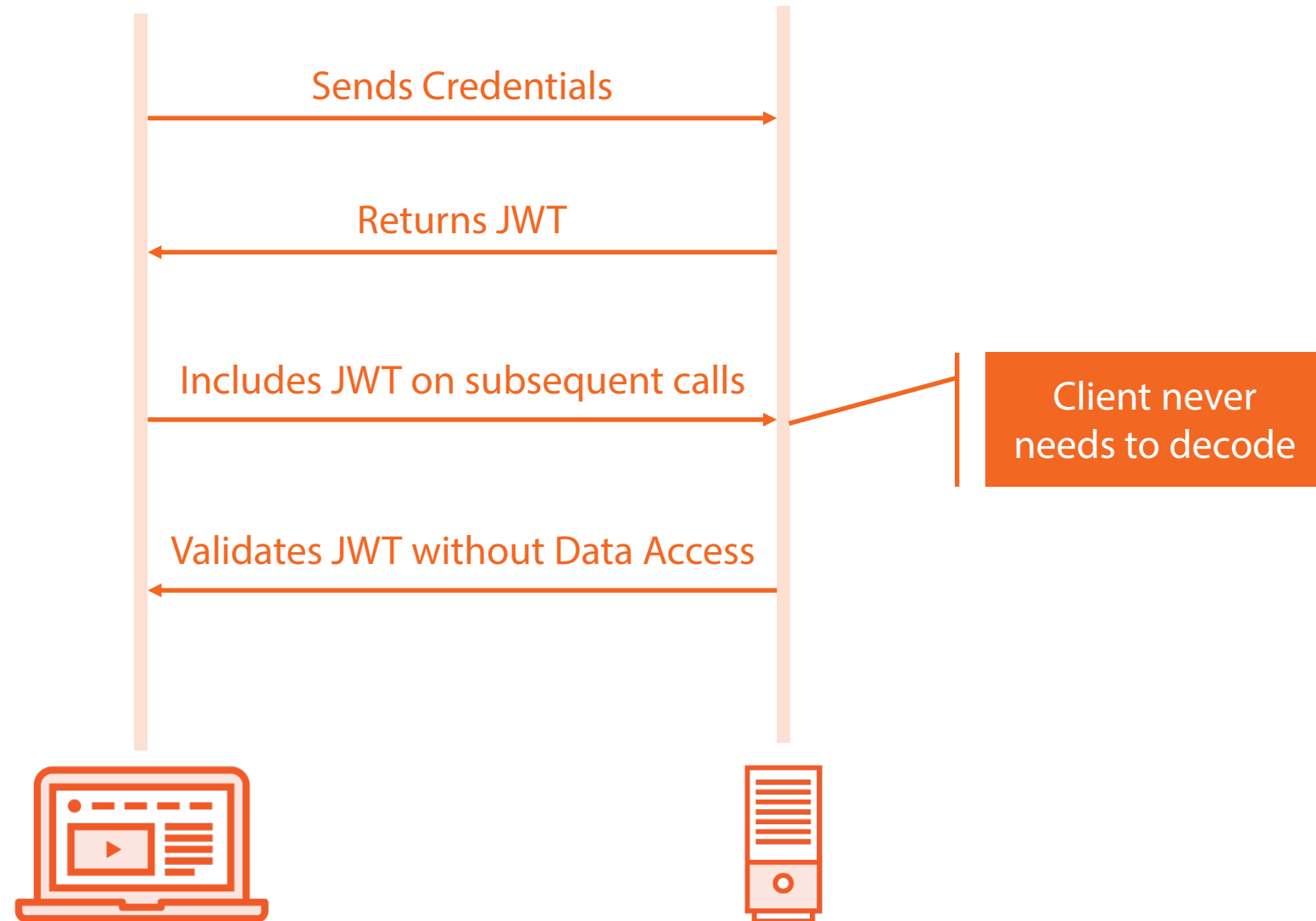
```
{  
  "sub": "1234567890",  
  "name": "John Doe",  
  "admin": true  
}
```

PAYLOAD

# Encoded JWT

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4gRG9lIiwiaWF0IjE0NjY3ODkwLjJVA95OrM7E2cBab30RMHrHDcEfxjoYZgeFONFh7HgQ

# Token Authentication



# Demo

Generating JWTs



# Demo

Configure JWTs





# Demo

Validate JWTs



# Demo

Claims in JWTs



# Demo

Authorize Based on JWTs



# What We've Learned

## Token Authentication

JSON Web Tokens are a standard way of doing tokens  
Using built-in ASP.NET Core Middleware makes it easy  
Extending the token for your own data is simple too