

WEBSERVICE

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**AUTHORIZATION**

# AGENDA

## TALK

- ▶ Different ways of doing authentication
  - Basic authentication
  - JWT Token authentication
- ▶ How to implement them (Server-side)
- ▶ How to use them (Android)
- ▶ How do we know who the client is “talking” to
  - Certificate pinning

## HANDS-ON

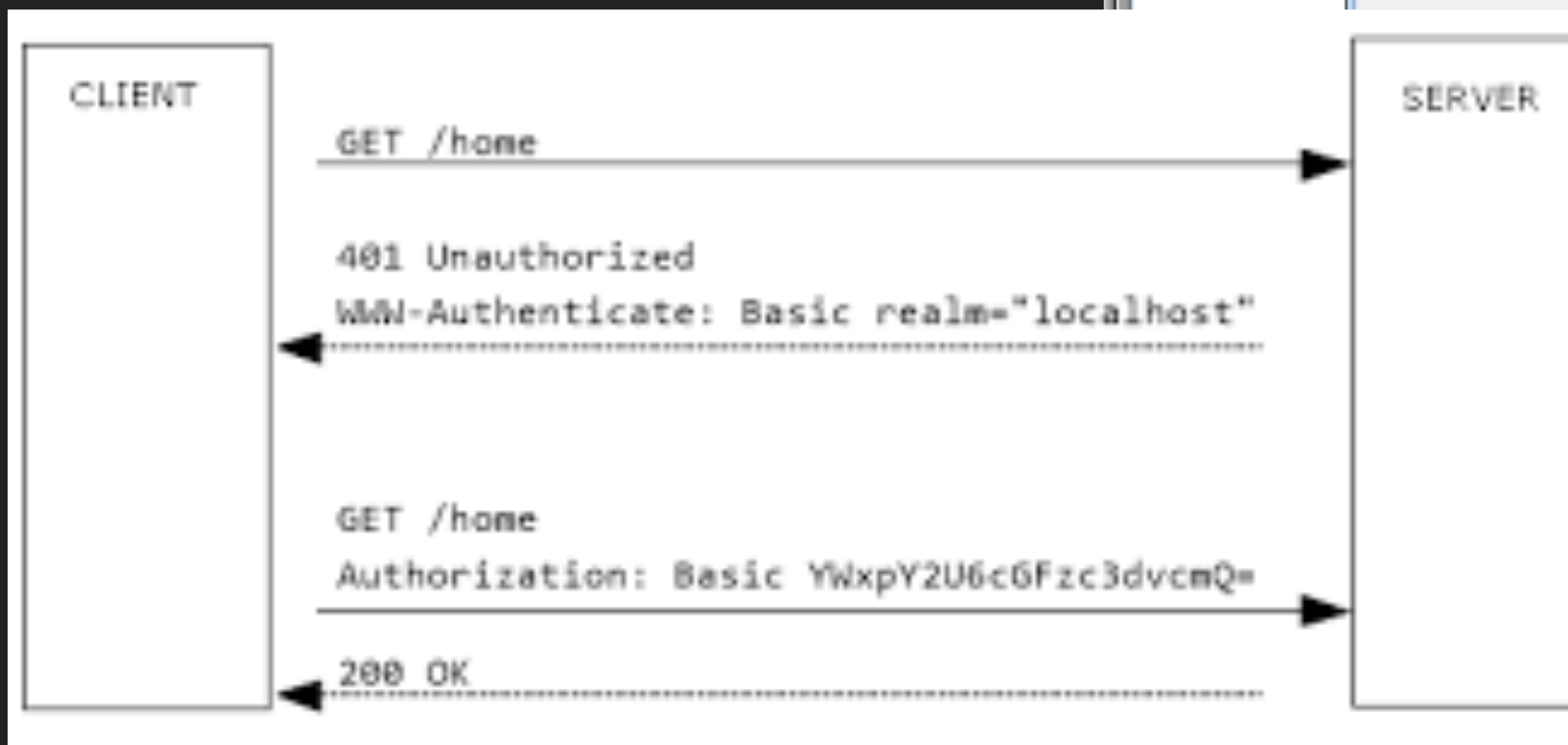
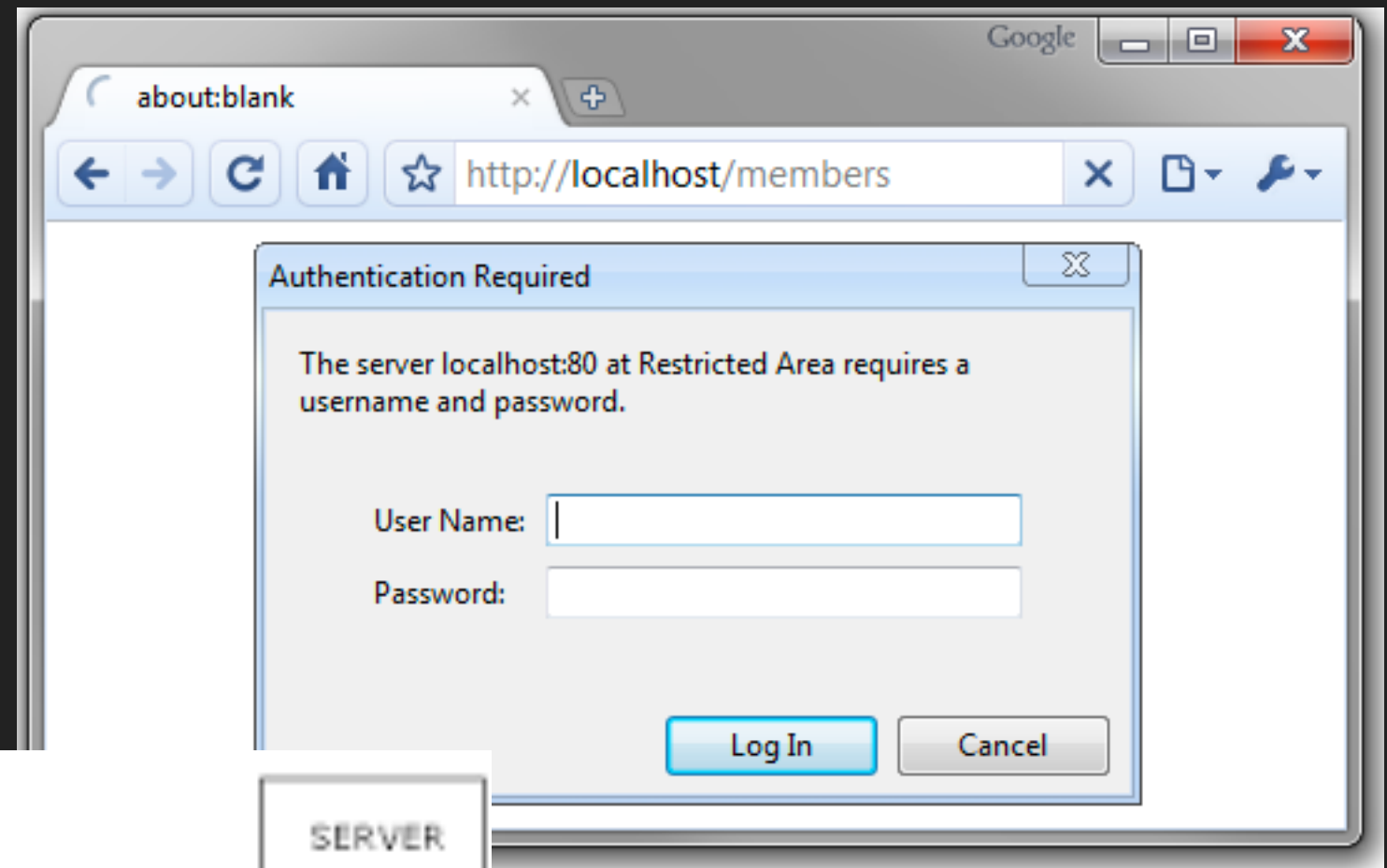
- ▶ Make your own implementation
- ▶ Make a client that uses some of the technics

# BASIC AUTHENTICATION

HTTP Header

Key: Authorization

Value: Basic base64(username:password)



# JWT TOKEN AUTHENTICATION

HTTP Header

Key: Authorization

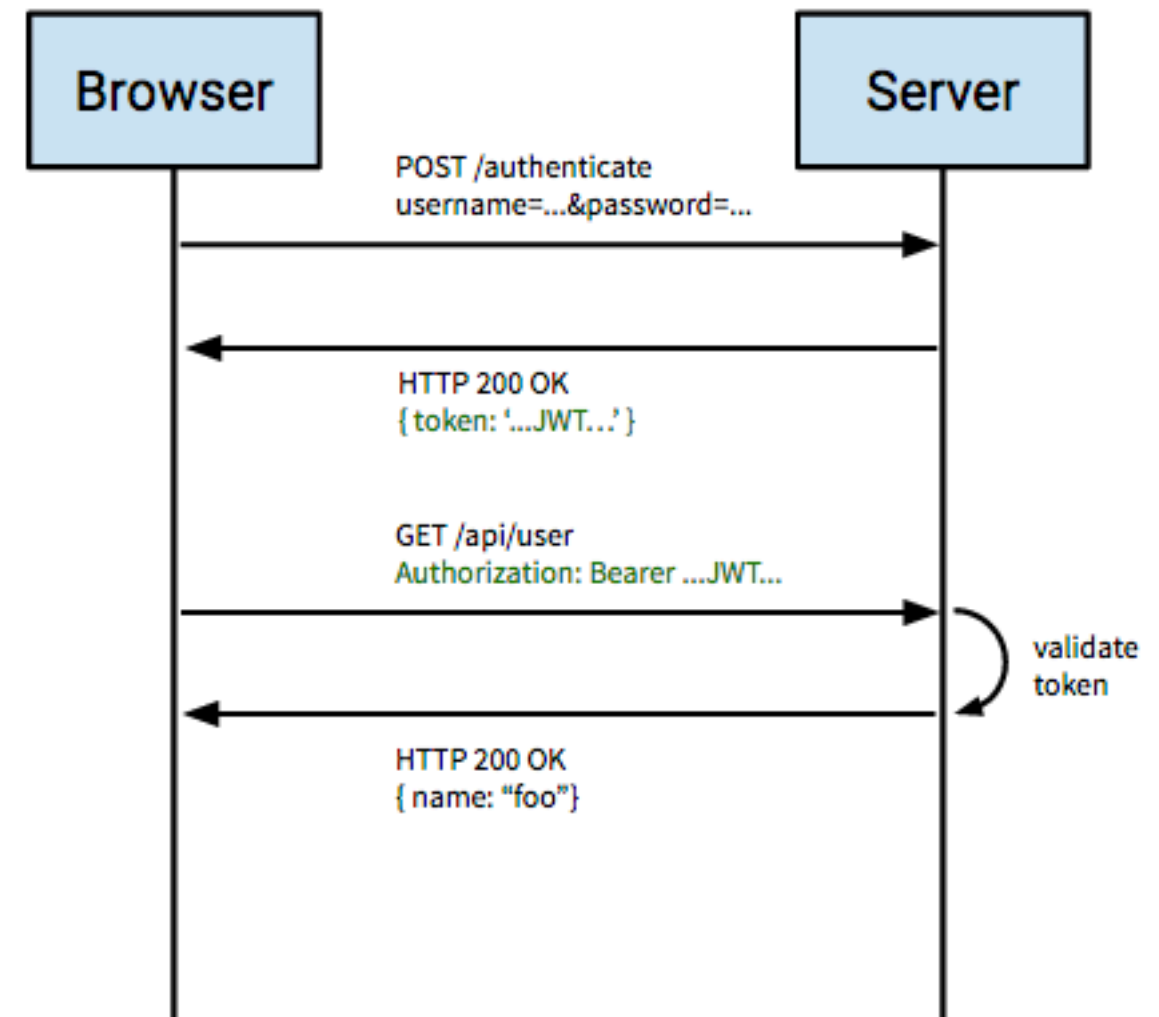
Value: Bearer ...token...

**Header** **Claims**

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleH  
AiojE0MTY0NzE5MzQsInVzZXJfbmFtZSI6InVzZXIiL  
CJzY29wZSI6WyJyZWFKIiwid3JpdGUiXSwiYXV0aG9y  
aXRpZXMioiOiUk9MRV9BRE1JTIsIlJPTEVfVVNFUiJ  
dLCJqdGkiOiI5YmM5MmE0NC0wYjFhLTRjNWUtYmU3MC  
1kYTUyMDc1YjIhODQiLCJjbGllbnRfaWQiOiJteS1jb  
GllbnQtd2l0aC1zZWNYZXQifQ.AZCTD_fiCcnrQR5X7  
rJBQ5r0-2Qedc5_3qJJf-ZCvVY
```

**Signature**

## Modern Token-Based Auth



**HOW TO**

**IMPLEMENT THEM**

# CERTIFICATE PINNING

