#### User Authentication in Web API



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#### **Touch Points**



- Michelangelo Buonarroti via Wikimedia Commons https://www.flickr.com/photos/34409164@N06/4277702120

- Retrieving Data
- Filtering, Shaping, Querying Data
- Saving Data
- Error Handling

**User Authentication** 

**User Authorization** 

#### Authentication vs. Authorization

#### **Authentication**

- Identity
  - Who is the user?
- Registered User
  - Local membership database
  - Third-party

#### **Authorization**

- Permission
  - What is the user allowed to do?
  - What resources can the user access?
- Authenticated User

# Why Is It so Hard?

Vocabulary

Many different techniques

Lack of detailed documentation

# Module Objectives

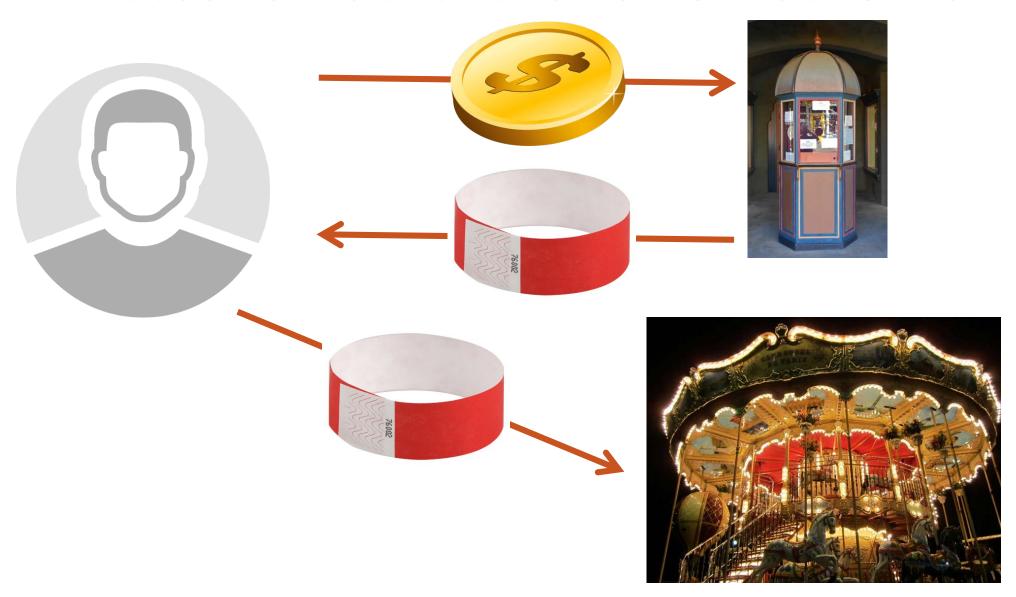
Token-based Authentication

Authentication Options

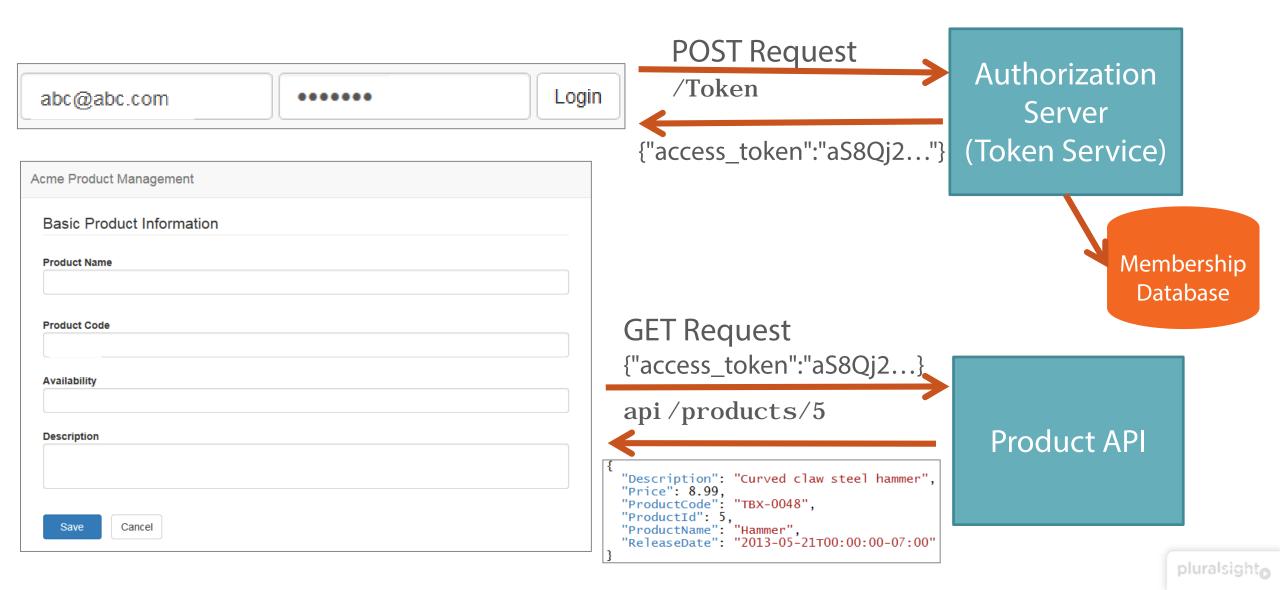
Web API
Authentication
Code

### Token-Based Authentication

### Wristband Authentication & Authorization

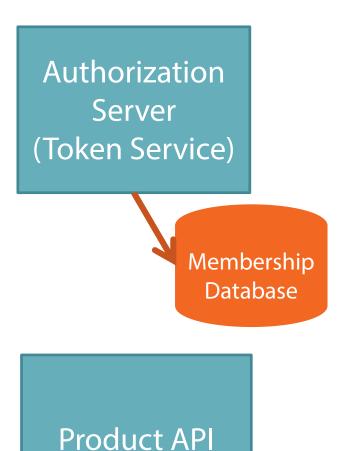


### Token-Based Authentication

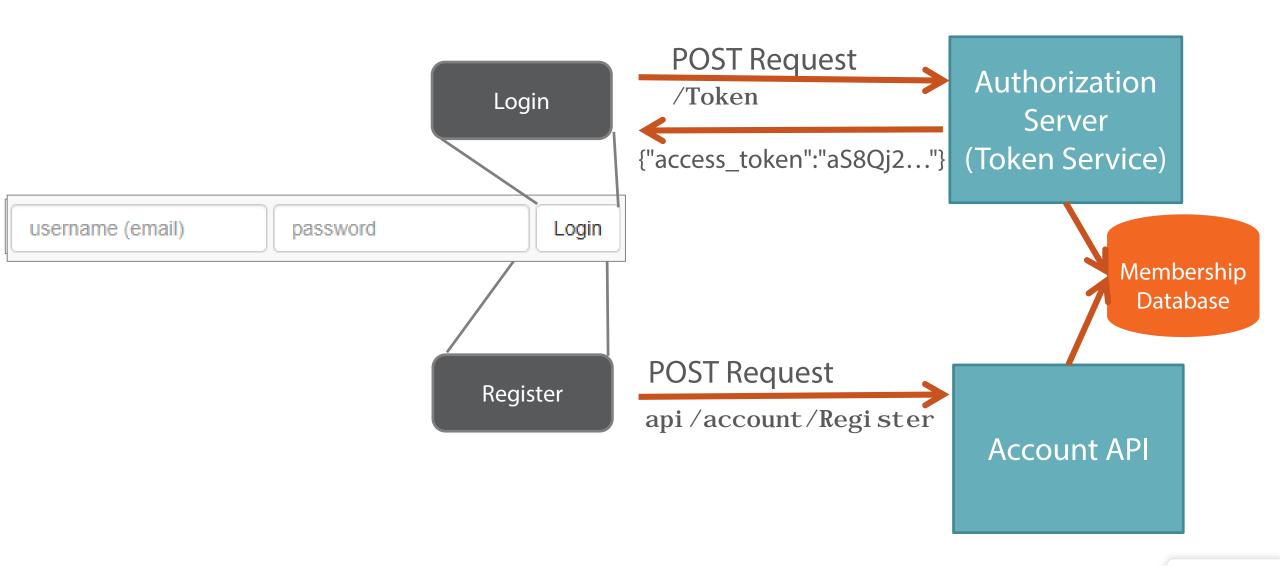


# Third-Party Authentication

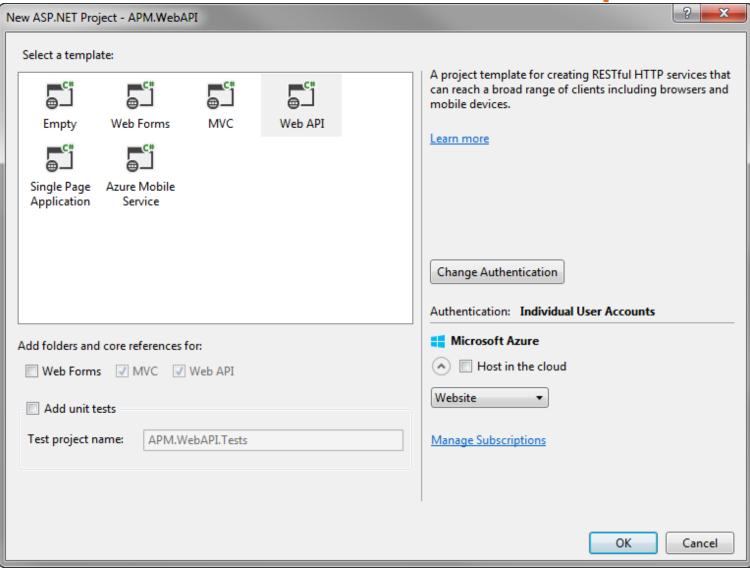


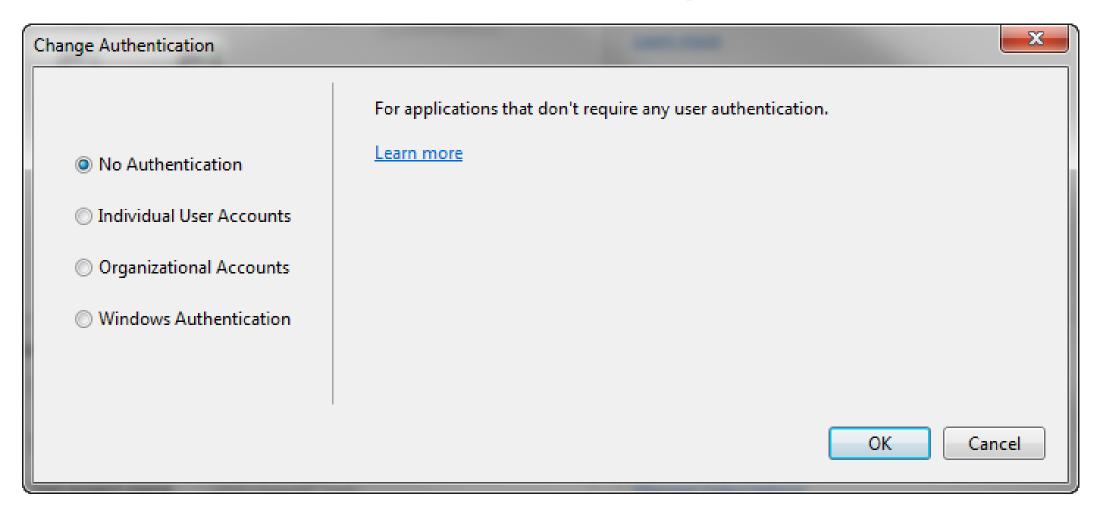


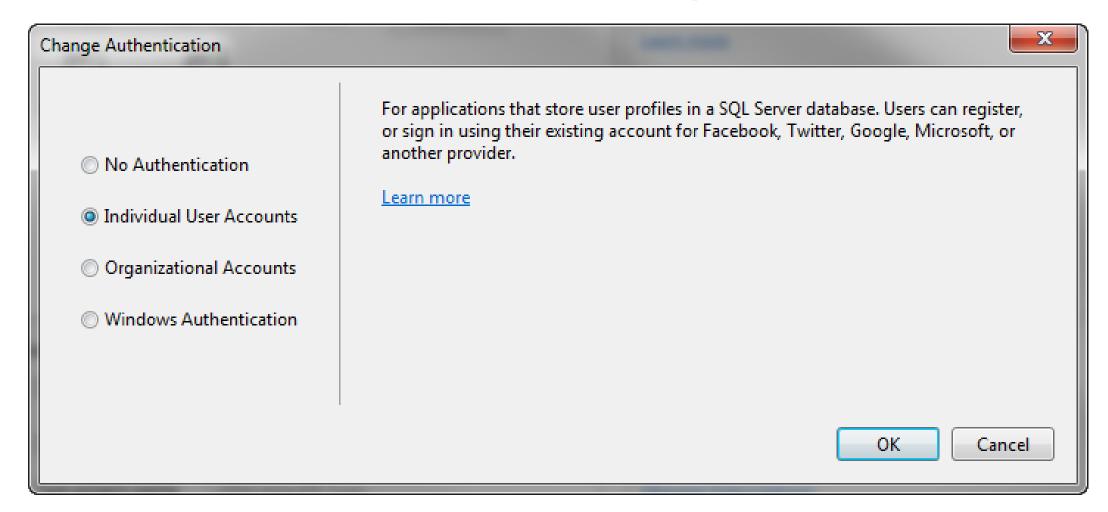
#### **Authentication Processes**

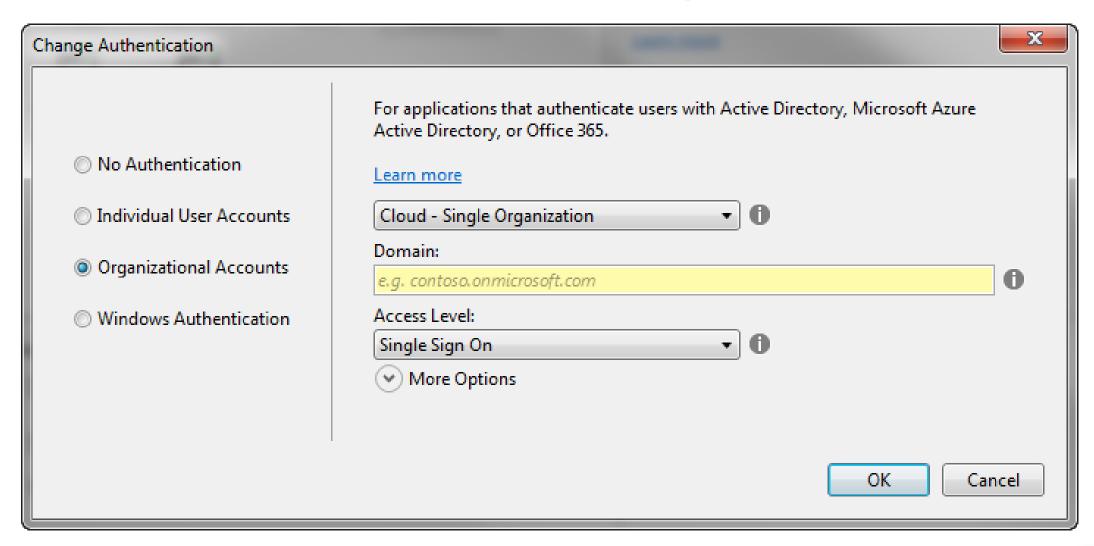


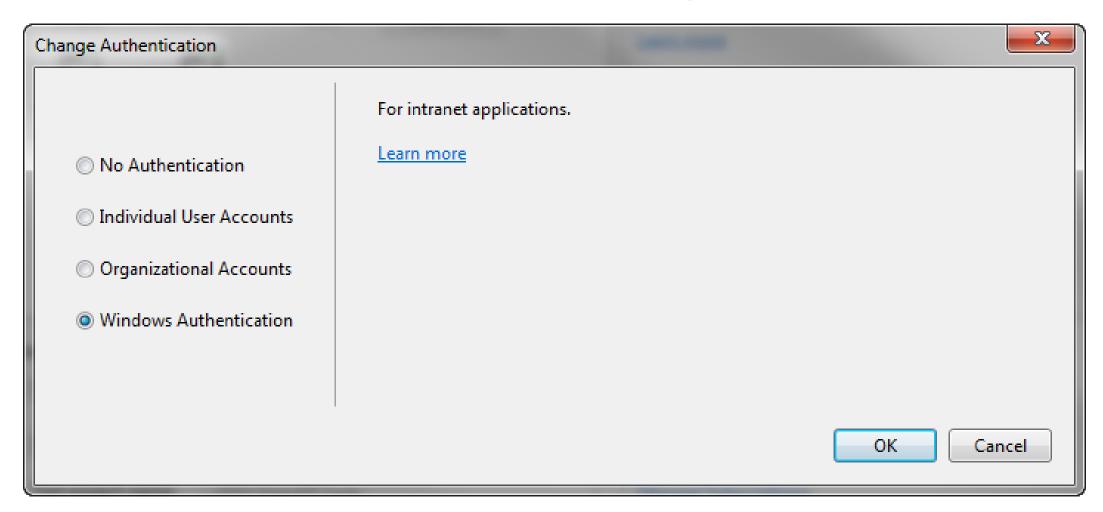
### **ASP.NET Web API Template**

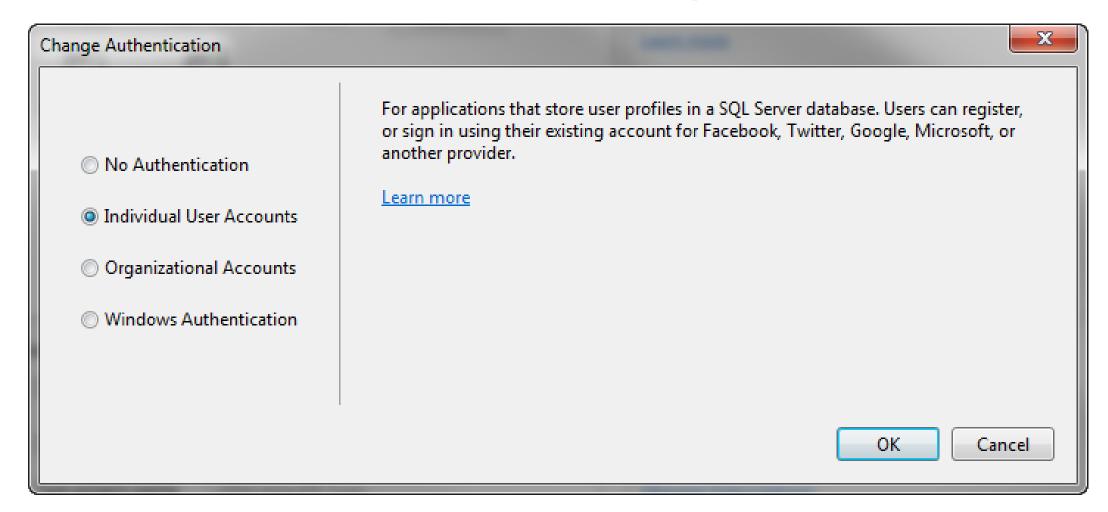




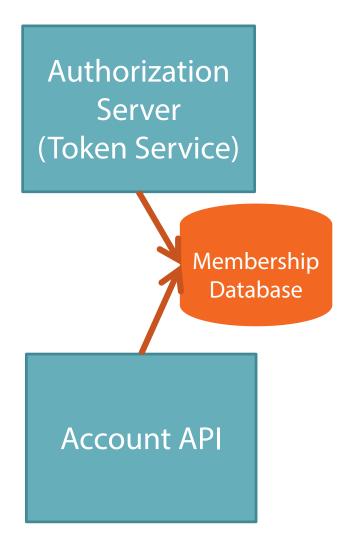




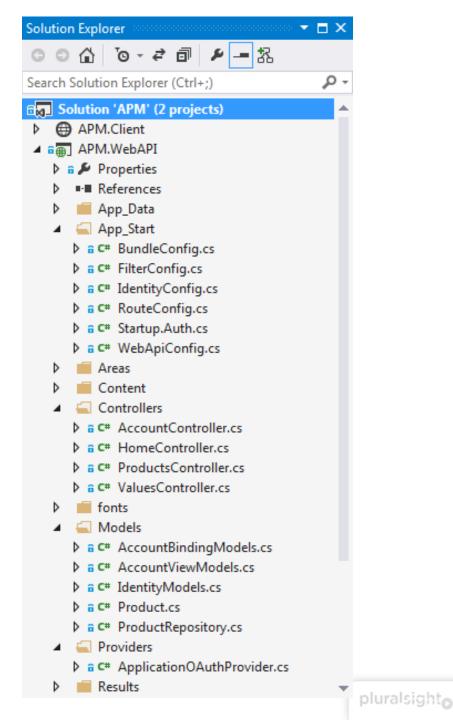




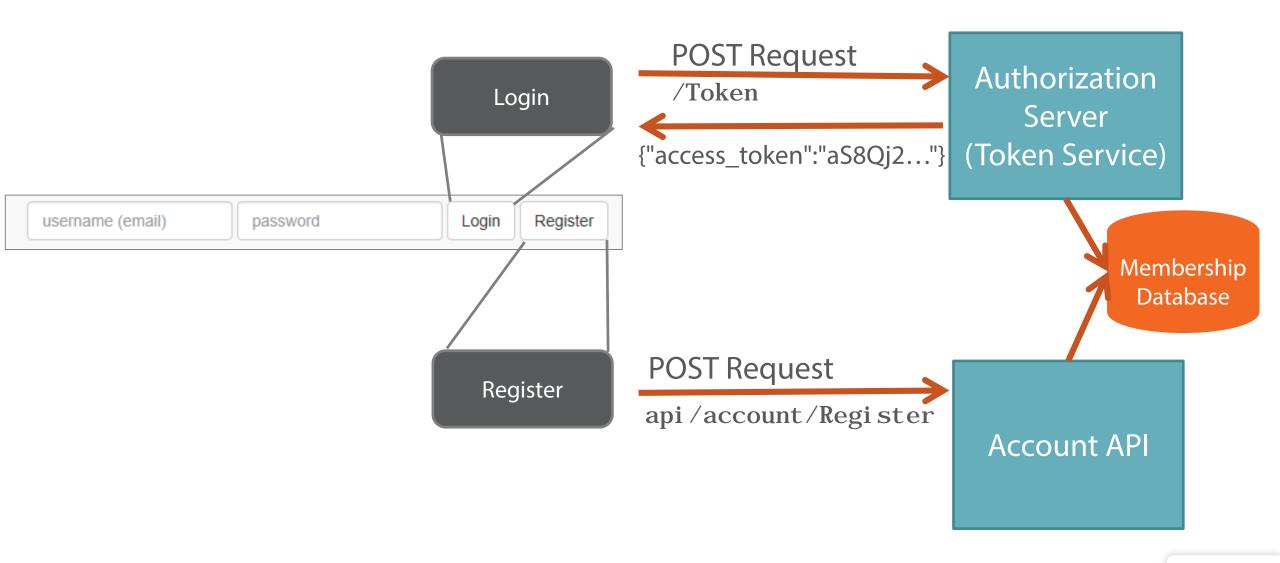
### **Generated Authentication Code**



### **Generated Classes**



#### **Authentication Processes**



#### This Module Covered



**Token-Based Authentication** 

**Authentication Options** 

Web API Authentication Code

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**User Authorization**