

# ASP.NET Identity



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# This Module



## ASP.NET Identity

- Using Authorize attribute
- Configuring Identity
- Storing Identity with Entity Framework
- Using Identity in the API

# ASP.NET Identity

- Replacement for ASP.NET Membership
  - Supports more types of authentication/authorization
    - Cookies, OAuth2, etc.
  - Pluggable
    - Have complete control over User Entities
    - Support non-relational storage of identities
    - Even LDAP/AD stores

# Demo

Authorizing Actions



# Demo

Storing Identities in the Database



# Demo

Configuring Identity



# Demo

Designing the Login View



# Demo

Implementing Login and Logout





# Considerations in Securing an API

- “Can’t I Just Use Cookie Auth for my API”
  - Yes – easiest and common
  - OAuth2 and Open ID Connect (OIDC) are safer and support non-JS clients better
    - Cookies are subject to Cross-site Request Forgery
  - But really depends on your security requirements
    - (e.g. Banks and Pizza Shops have different levels of security)

# Demo

Use Identity in the API



# Demo

Using Identity in the Trips Controller



# Demo

Using Identity in the Stops Controller



## What We've Learned

### ASP.NET Identity

Identity can use existing or new EF DbContext object  
Authorize attribute can support web views or API calls  
Configuration of Identity gives you full control  
Support sharing of user information across app