ASP.NET Identity

Shawn Wildermuth

@shawnwildermuth | wilderminds.com

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

pluralsight

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