

# Implementing Authentication with ASP.NET Core Identity

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# Overview



The ASP.NET Core Identity Framework

Registering a user

Logging in and out

Customizing the framework

Logout

Tokens

Two Factor Authentication

External authentication providers

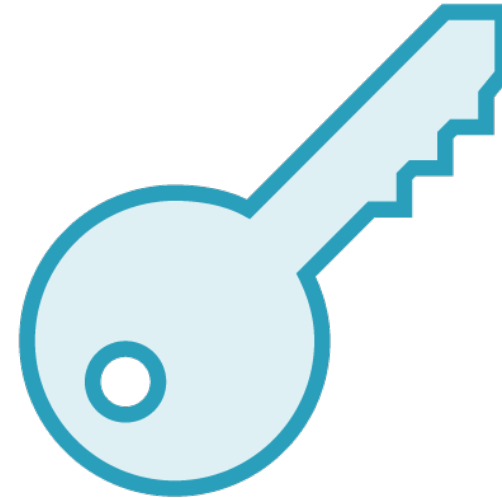


# Overview



**Authentication**

**ASP.NET Core Identity  
Identity Server**



**Authorization**

**ASP.NET Core  
Authorization**



# ASP.NET Core Identity

A framework that helps you to manage and authenticate users per application



# Features

Login and logout

Register

Third party logins

Password management

Lockout

Two-factor authentication



# Claims-based Identity

**Name**

**City**

**Phone**

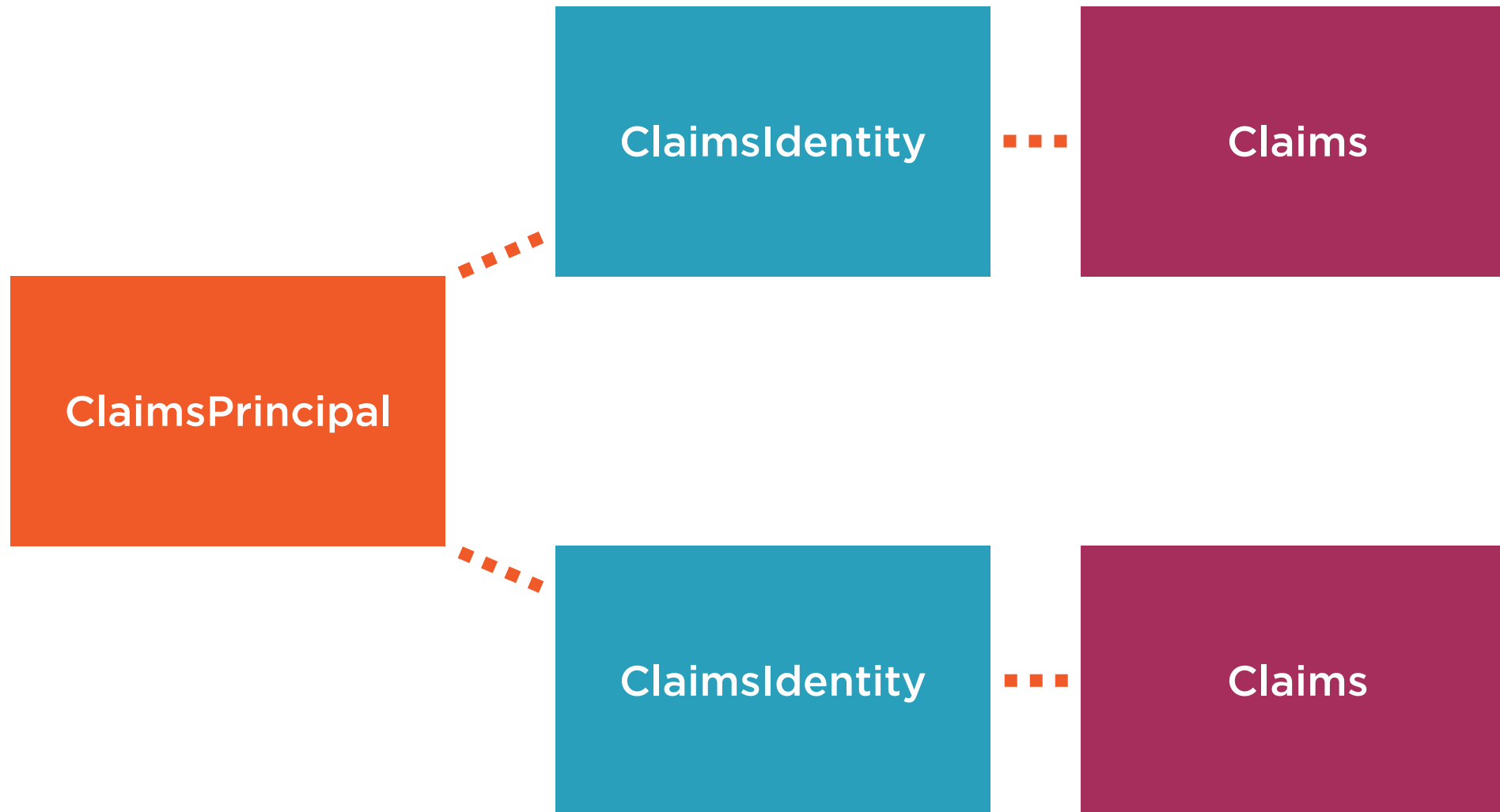
**EmployeeNo**

**AccessLevel**

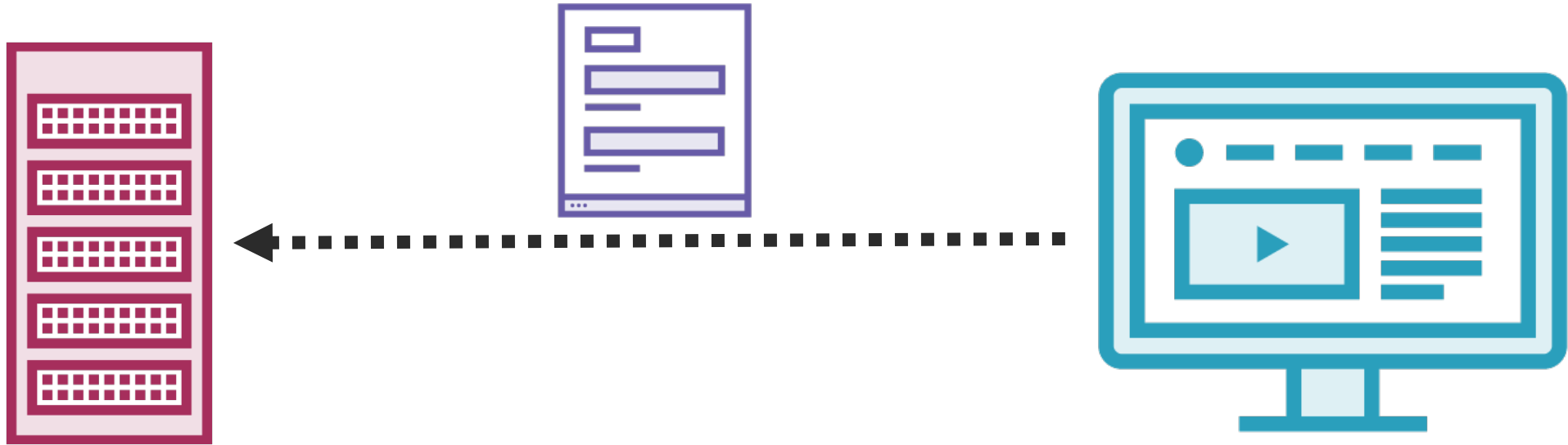
**ApiAccess**



# Claims-based Identity



# Identity Cookie

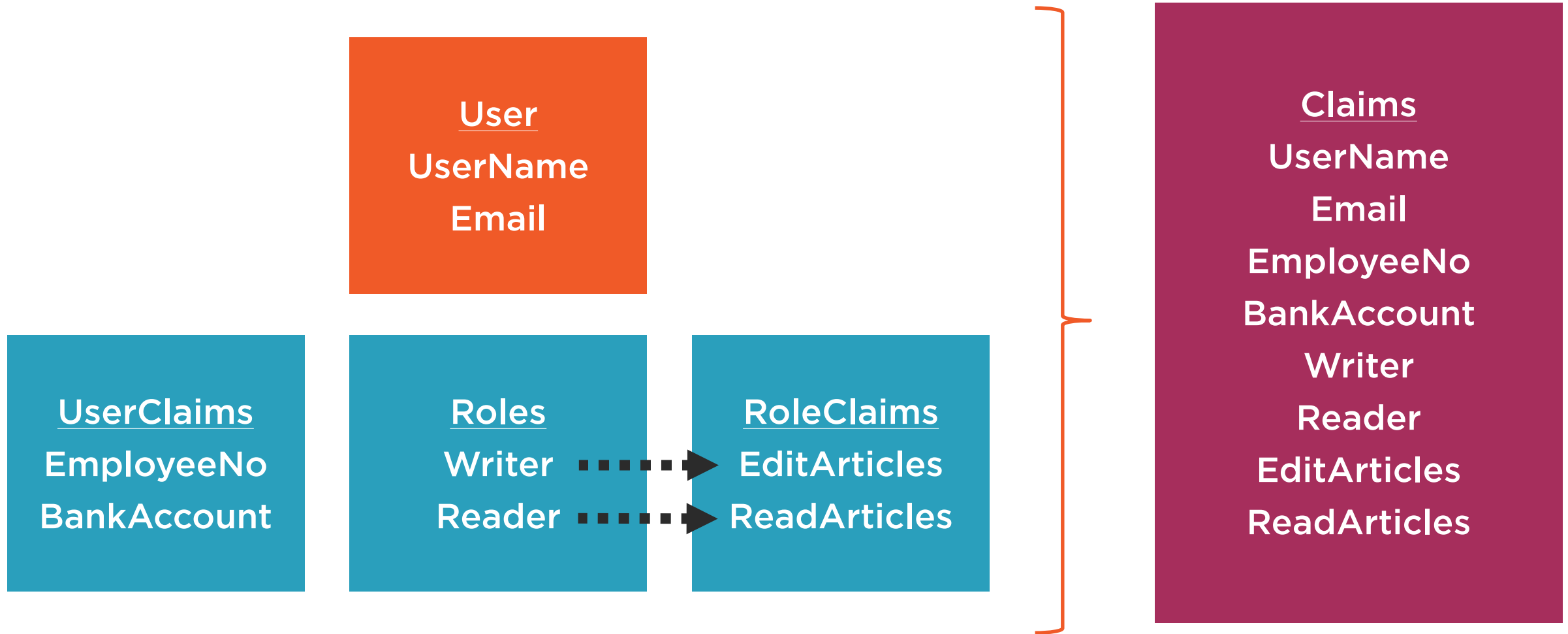




# Identity Cookie



# List of Claims



## Extending the User

**Add properties to IdentityUser class instead of adding them as separate claims**

**Add more entities to your database context to support a more complex data structure for a user**



# Tokens

**Email address confirmation**

**Password reset**

**Two factor authentication**

**Phone number confirmation**



# External Authentication Providers

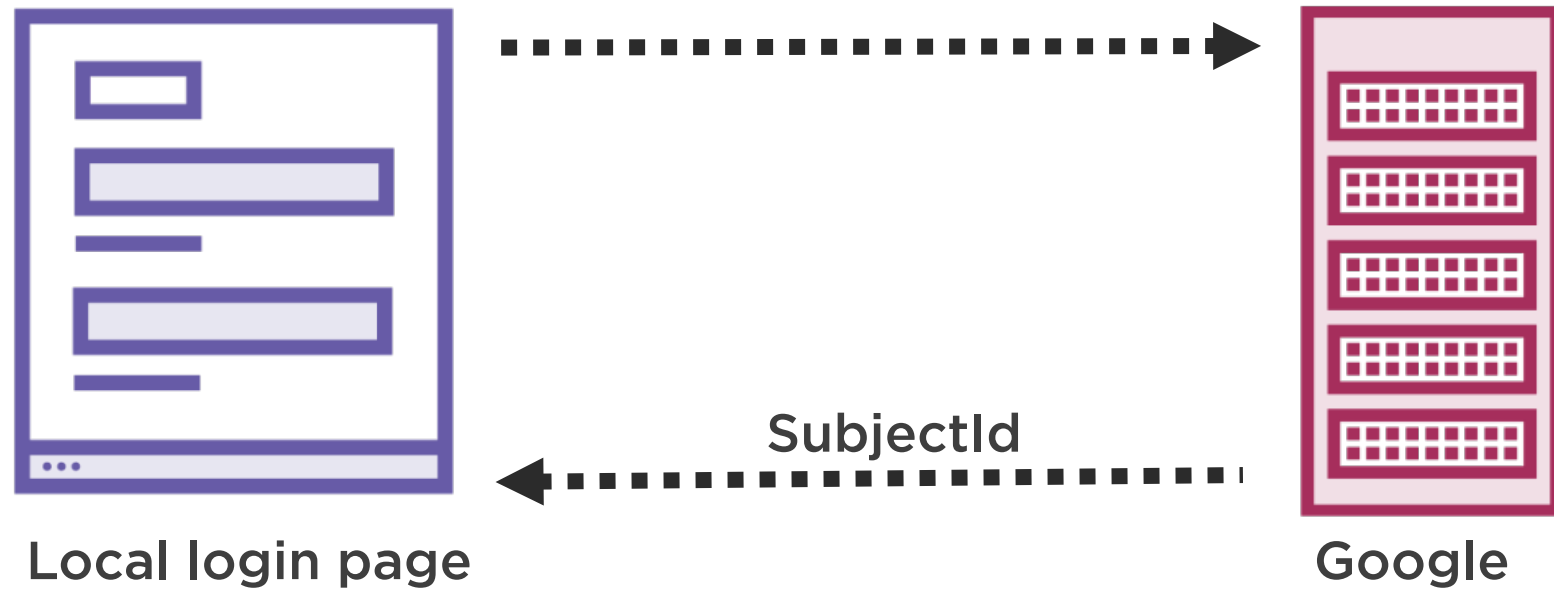
**Provide users with a possibility to login with an external account**

**User doesn't have to remember the username and password for your app**

**Single signon**



# External Authentication Providers



<http://tinyurl.com/extprovs>



# Summary



Claims-centered framework to add local authentication to your app

Almost all inner components can be replaced

Configurable

Third party authentication providers support

