

are-restful-apis)

Create REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

REST API DbContext

(<https://www.pragimtech.com/blog/core-rest-api-dbcontext>)

Repository Pattern in REST API

(<https://www.pragimtech.com/blog/api-repository-pattern>)

REST API Get List

(<https://www.pragimtech.com/blog/core-rest-api-list-of-resources>)

REST API Get By Id

(<https://www.pragimtech.com/blog/core-rest-api-get-by-id>)

Post in REST API

(<https://www.pragimtech.com/blog/in-aspnet-core-rest-api>)

REST API Model Validation

(<https://www.pragimtech.com/blog/api-model-validation>)

Put in REST API

(<https://www.pragimtech.com/blog/in-asp.net-core-rest-api>)

Delete in REST API

(<https://www.pragimtech.com/blog/in-asp.net-core-rest-api>)

Search in REST API

(<https://www.pragimtech.com/blog>)

ASP.NET core identity setup in blazor application

In this video we will discuss how to install and set up ASP.NET core identity in an existing blazor application. In our upcoming videos we will implement authentication using the identity API.

What is ASP.NET Core Identity

ASP.NET Core Identity is a membership system. It allows us to create, read, update and delete user accounts. Supports account confirmation, authentication, authorisation, password recovery, two-factor authentication. It also supports external login providers like Microsoft, Facebook, Google etc.

We discussed ASP.NET Core Identity in detail in our ASP.NET Core tutorial (https://www.youtube.com/playlist?list=PL6n9fhu94yhVkdrusLaQsfERmL_Jh4XmU)

If you are new to it, please check out videos from Part 65

(<https://youtu.be/egITMrwMOPU>) from our ASP.NET Core tutorial

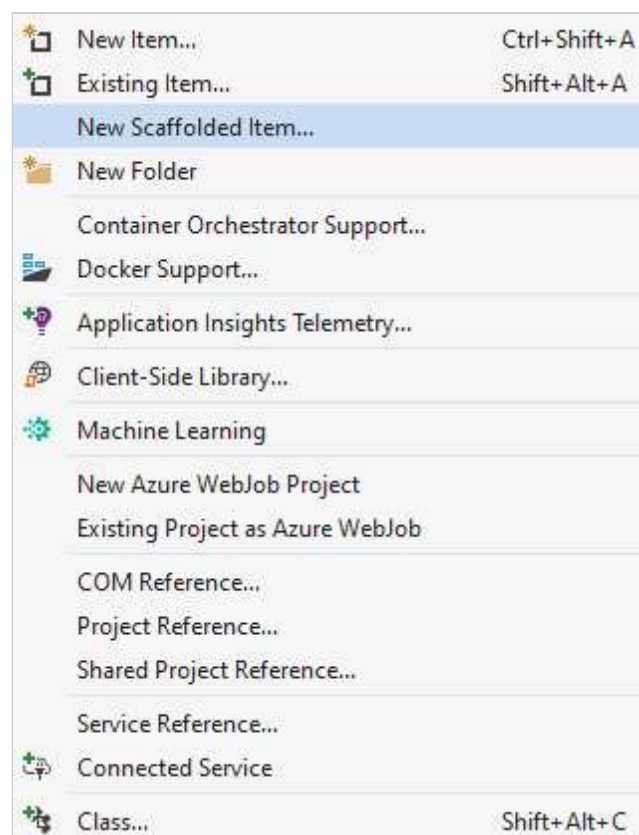
(https://www.youtube.com/playlist?list=PL6n9fhu94yhVkdrusLaQsfERmL_Jh4XmU)

in-asp.net-core-rest-api)
Call REST API from Blazor

ASP.NET core identity setup in blazor

are-restful-apis)
Create REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)
REST API DbContext
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-dbcontext>)
Repository Pattern in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-repository-pattern>)
REST API Get List
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-list-of-resources>)
REST API Get By Id
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-get-by-id>)
Post in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-post>)
REST API Model Validation
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-model-validation>)
Put in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-put>)
Delete in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-delete>)
Search in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-search>)

^ We will use Visual Studio Scaffolder to add identity support. Right click on the Blazor web project and select Add - New Scaffolded Item...



in-asp.net-core-rest-api)

Call REST API from Blazor

are-restful-apis)

Create REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api/>)

asp.net-core-rest-api)

REST API DbContext

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-dbcontext/>)

core-rest-api-dbcontext)

Repository Pattern in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-repository-pattern/>)

api-repository-pattern)

REST API Get List

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-list-of-resources/>)

core-rest-api-list-of-resources)

REST API Get By Id

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-get-by-id/>)

core-rest-api-get-by-id)

Post in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-post/>)

in-aspnet-core-rest-api)

REST API Model Validation

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-model-validation/>)

api-model-validation)

Put in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-put/>)

in-asp.net-core-rest-api)

Delete in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-delete/>)

in-asp.net-core-rest-api)

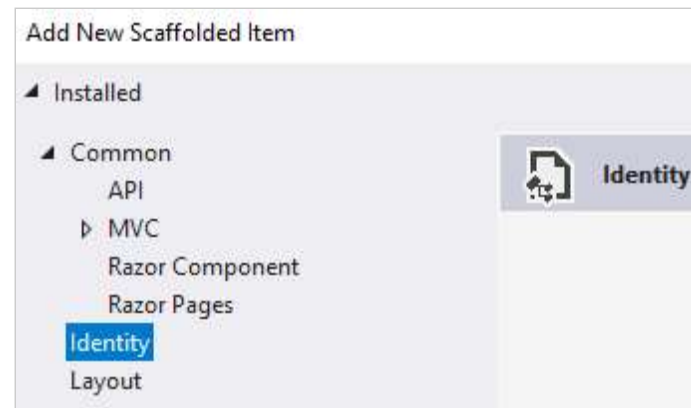
Search in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-search/>)



Phong Vũ

Select Identity from both the left and middle panes in Add New Scaffolded Item dialog.



On Add Identity dialog

1. Check **Override all files** - This adds all the Identity views and classes to our project, so we can modify them to meet our application specific

in-asp.net-core-rest-api)

Call REST API from Blazor

are-restful-apis)

Create REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api/>)

REST API DbContext

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-dbcontext/>)

core-rest-api-dbcontext)

Repository Pattern in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-repository-pattern/>)

api-repository-pattern)

REST API Get List

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-list-of-resources/>)

core-rest-api-list-of-resources)

REST API Get By Id

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-get-by-id/>)

core-rest-api-get-by-id)

Post in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-post/>)

in-asp.net-core-rest-api)

REST API Model Validation

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-model-validation/>)

api-model-validation)

Put in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-put/>)

in-asp.net-core-rest-api)

Delete in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-delete/>)

in-asp.net-core-rest-api)

Search in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-search/>)

requirements.

2. Data context class - If your project already has a data context class, select it from the dropdown list. Otherwise, click the plus sign to have it generated.

3. Click Add

Add Identity

Select an existing layout page, or specify a new one:

/Areas/Identity/Pages/Account/Manage/_Layout.cshtml

(Leave empty if it is set in a Razor _viewstart file)

☒ Override all files

Choose files to override

☒ Account\StatusMessage

☒ Account\ConfirmEmailChange

☒ Account\ForgotPasswordConfirmation

☒ Account>LoginWith2fa

☒ Account\Manage\Layout

☒ Account\Manage\ChangePassword

☒ Account\Manage\DownloadPersonalData

☒ Account\Manage\ExternalLogins

☒ Account\Manage\PersonalData

☒ Account\Manage\ShowRecoveryCodes

☒ Account\RegisterConfirmation

☒ Account\ResetPasswordConfirmation

☒ Account\AccessDenied

☒ Account\ExternalLogin

☒ Account\Lockout

☒ Account>LoginWithRecoveryCode

☒ Account\Manage\ManageNav

☒ Account\Manage\DeletePersonalData

☒ Account\Manage\Email

☒ Account\Manage\GenerateRecoveryCodes

☒ Account\Manage\ResetAuthenticator

☒ Account\Manage\TwoFactorAuthentication

☒ Account\ResendEmailConfirmation

☒ Account\ConfirmEmail

☒ Account\ForgotPassword

☒ Account>Login

☒ Account\Logout

☒ Account\Manage\StatusMessage

☒ Account\Manage\Disable2fa

☒ Account\Manage\EnableAuthenticator

☒ Account\Manage\Index

☒ Account\Manage\SetPassword

☒ Account\Register

☒ Account\ResetPassword

Data context class:

EmployeeManagement.Web.Data.EmployeeManagementWebContext

☐ Use SQLite instead of SQL Server

User class:

Add

Cancel

in-asp.net-core-rest-api)

Call REST API from Blazor

are-restful-apis)

Create REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

asp.net-core-rest-api)

REST API DbContext

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-dbcontext>)

core-rest-api-dbcontext)

Repository Pattern in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-repository-pattern>)

api-repository-pattern)

REST API Get List

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-list-of-resources>)

core-rest-api-list-of-resources)

REST API Get By Id

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-get-by-id>)

core-rest-api-get-by-id)

Post in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

in-aspnet-core-rest-api)

REST API Model Validation

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-model-validation>)

api-model-validation)

Put in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

in-asp.net-core-rest-api)

Delete in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

in-asp.net-core-rest-api)

Search in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)



Phong Vũ

The generated identity files are stored in Areas/Identity folder.

in-asp.net-core-rest-api)

Call REST API from Blazor

are-restful-apis)

Create REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

REST API DbContext

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-dbcontext>)

Repository Pattern in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-repository-pattern>)

REST API Get List

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-list-of-resources>)

REST API Get By Id

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-get-by-id>)

Post in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

in-asp.net-core-rest-api)

REST API Model Validation

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-model-validation>)

Put in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

in-asp.net-core-rest-api)

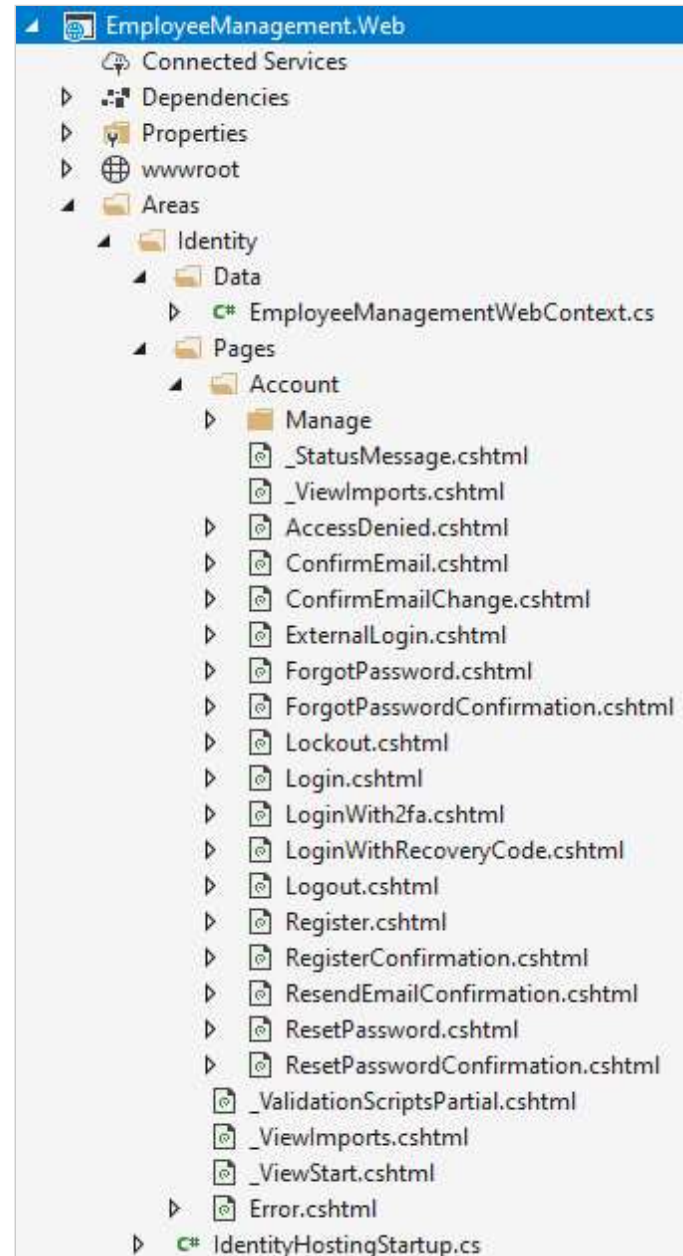
Delete in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

in-asp.net-core-rest-api)

Search in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)



in-asp.net-core-rest-api)
Call REST API from Blazor

▼ Add and execute identity migrations

are-restful-apis)
Create REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)
REST API DbContext
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-dbcontext>)
Repository Pattern in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-repository-pattern>)
REST API Get List
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-list-of-resources>)
REST API Get By Id
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-get-by-id>)
Post in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-post>)
REST API Model Validation
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-model-validation>)
Put in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-put>)
Delete in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-delete>)
Search in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-search>)

▲ Open Package Manager Console and execute the following command add a migration

Add-Migration IdentitySupport

Execute the migration

Update-Database

in-asp.net-core-rest-api)
Call REST API from Blazor

are-restful-apis)

Create REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api/>)

REST API DbContext
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-dbcontext/>)

Repository Pattern in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-repository-pattern/>)

REST API Get List
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-list-of-resources/>)

REST API Get By Id
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-get-by-id/>)

Post in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-post/>)

REST API Model Validation
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-model-validation/>)

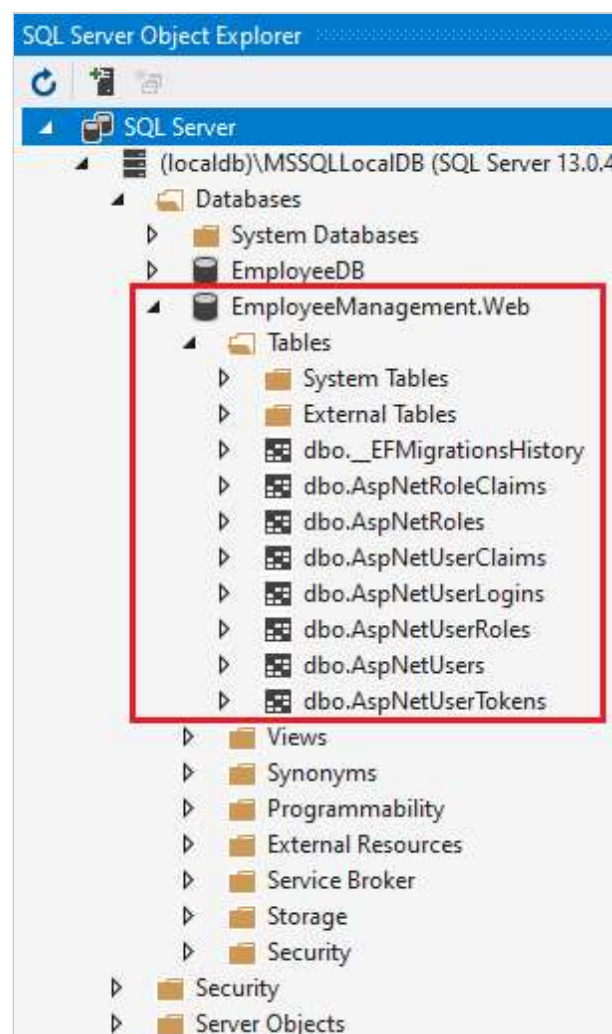
Put in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-put/>)

Delete in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-delete/>)

Search in REST API
(<https://www.pragimtech.com/blog/asp.net-core-rest-api-search/>)

Generated Identity Tables

^ You can see the generated Identity tables using the SQL Server Object Explorer in Visual Studio. The database connection string is in appsettings.json.



in-asp.net-core-rest-api)
Call REST API from Blazor



(<https://www.pragimtech.com/blog/blazor/blazor-cascading-values-performance>)
(<https://www.pragimtech.com/blog/blazor/how-cookie-authentication-works>)



are-restful-apis)

Create REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

REST API DbContext

(<https://www.pragimtech.com/blog/core-rest-api-dbcontext>)

Repository Pattern in REST API

(<https://www.pragimtech.com/blog/api-repository-pattern>)

REST API Get List

(<https://www.pragimtech.com/blog/core-rest-api-list-of-resources>)

REST API Get By Id

(<https://www.pragimtech.com/blog/core-rest-api-get-by-id>)

Post in REST API

(<https://www.pragimtech.com/blog/in-aspnet-core-rest-api>)

REST API Model Validation

(<https://www.pragimtech.com/blog/api-model-validation>)

Put in REST API

(<https://www.pragimtech.com/blog/in-asp.net-core-rest-api>)

Delete in REST API

(<https://www.pragimtech.com/blog/in-asp.net-core-rest-api>)

Search in REST API

(<https://www.pragimtech.com/blog>)

© 2020 Pragimtech (<https://www.pragimtech.com>). All Rights Reserved.

in-asp.net-core-rest-api)

Call REST API from Blazor

are-restful-apis)

Create REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

asp.net-core-rest-api)

REST API DbContext

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-dbcontext>)

core-rest-api-dbcontext)

Repository Pattern in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-repository-pattern>)

api-repository-pattern)

REST API Get List

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-list-of-resources>)

core-rest-api-list-of-resources)

REST API Get By Id

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-get-by-id>)

core-rest-api-get-by-id)

Post in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

in-aspnet-core-rest-api)

REST API Model Validation

(<https://www.pragimtech.com/blog/asp.net-core-rest-api-model-validation>)

api-model-validation)

Put in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

in-asp.net-core-rest-api)

Delete in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)

in-asp.net-core-rest-api)

Search in REST API

(<https://www.pragimtech.com/blog/asp.net-core-rest-api>)