

# Namespace CICDTemplate.Api.Controllers. Bindings

## Classes

[BindingsController](#)

# Class BindingsController

Namespace: [CICDTemplate.Api.Controllers.Bindings](#)

Assembly: CICDTemplate.Api.dll

```
[Route("api/bindings")]
[ApiController]
public class BindingsController : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← BindingsController

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,  
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,  
[ControllerBase.RedirectPermanent\(string\)](#) ,  
[ControllerBase.RedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirect\(string\)](#) , [ControllerBase.LocalRedirectPermanent\(string\)](#) ,  
[ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectToAction\(\)](#) , [ControllerBase.RedirectToAction\(string\)](#) ,  
[ControllerBase.RedirectToAction\(string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,

[ControllerBase.RedirectToRoute\(string, object\)](#)  ,  
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 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#)  ,  
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[ControllerBase.AcceptedAtAction\(string, object, object\)](#)  ,  
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 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#)  ,  
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 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#)  ,  
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 [ControllerBase.SignOut\(params string\[\]\)](#)  ,  
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\] \)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\] \)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#)  ,  
 [ControllerBase.TryValidateModel\(object\)](#)  ,  
 [ControllerBase.TryValidateModel\(object, string\)](#)  ,  [ControllerBase.HttpContext](#)  ,  
 [ControllerBase.Request](#)  ,  [ControllerBase.Response](#)  ,  [ControllerBase.RouteData](#)  ,  
 [ControllerBase.ModelState](#)  ,  [ControllerBase.ControllerContext](#)  ,  
 [ControllerBase.MetadataProvider](#)  ,  [ControllerBase.ModelBinderFactory](#)  ,  
 [ControllerBase.Url](#)  ,  [ControllerBase.ObjectValidator](#)  ,  
 [ControllerBase.ProblemDetailsFactory](#)  ,  [ControllerBase.User](#)  ,  [ControllerBase.Empty](#)  ,  
 [object.Equals\(object\)](#)  ,  [object.Equals\(object, object\)](#)  ,  [object.GetHashCode\(\)](#)  ,

[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

BindingsController(ILogger<BindingsController>, Counter<int>)

```
public BindingsController(ILogger<BindingsController> logger, Counter<int> counter)
```

## Parameters

logger [ILogger](#)<BindingsController>

counter [Counter](#)<int>

## Methods

Cron()

```
[HttpPost("cron")]
public IActionResult Cron()
```

## Returns

[IActionResult](#)

# Namespace CICDTemplate.Api.Controllers.Configurations

## Classes

[ConfigurationsController](#)

# Class ConfigurationsController

Namespace: [CICDTemplate.Api.Controllers.Configurations](#)

Assembly: CICDTemplate.Api.dll

```
[Route("api/configurations")]
[ApiController]
public class ConfigurationsController : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← ConfigurationsController

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,  
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,  
[ControllerBase.RedirectPermanent\(string\)](#) ,  
[ControllerBase.RedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirect\(string\)](#) , [ControllerBase.LocalRedirectPermanent\(string\)](#) ,  
[ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) ,  
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[ControllerBase.RedirectToAction\(string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string\)](#) ,  
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[ControllerBase.RedirectToAction\(string, string, string\)](#) ,  
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[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,

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 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string\)](#)  ,  
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 [ControllerBase.RedirectToPage\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#)  ,  
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 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
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 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.ValidationProblem\(\)](#)  ,  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#)  ,  
  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary, IDictionary<string, object>\)](#)  ,  
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 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\] \)](#)  ,  
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 [ControllerBase.ModelState](#)  ,  [ControllerBase.ControllerContext](#)  ,  
 [ControllerBase.MetadataProvider](#)  ,  [ControllerBase.ModelBinderFactory](#)  ,  
 [ControllerBase.Url](#)  ,  [ControllerBase.ObjectValidator](#)  ,  
 [ControllerBase.ProblemDetailsFactory](#)  ,  [ControllerBase.User](#)  ,  [ControllerBase.Empty](#)  ,  
 [object.Equals\(object\)](#)  ,  [object.Equals\(object, object\)](#)  ,  [object.GetHashCode\(\)](#)  ,

[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### ConfigurationsController(ISender)

```
public ConfigurationsController(ISender sender)
```

## Parameters

sender ISender

## Methods

### Read(string)

```
[HttpGet("read")]
public Task<ActionResult<Product>> Read(string name)
```

## Parameters

name [string](#)

## Returns

[Task](#)<[ActionResult](#)<[Product](#)>>

# Namespace CICDTemplate.Api.Controllers. Products

## Classes

### [CreateProductRequest](#)

Request to create product

### [ProductResponse](#)

Product response

### [ProductsController](#)

### [ReadProductsResponse](#)

Read products - response

# Class CreateProductRequest

Namespace: [CICDTemplate.Api.Controllers.Products](#)

Assembly: CICDTemplate.Api.dll

Request to create product

```
public sealed record CreateProductRequest : IEquatable<CreateProductRequest>
```

## Inheritance

[object](#) ← CreateProductRequest

## Implements

[IEquatable](#)<[CreateProductRequest](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### CreateProductRequest(string, string)

Request to create product

```
public CreateProductRequest(string Name, string Description)
```

## Parameters

Name [string](#)

Description [string](#)

## Properties

### Description

```
public string Description { get; init; }
```

Property Value

[string](#) ↗

Name

```
public string Name { get; init; }
```

Property Value

[string](#) ↗

# Class ProductResponse

Namespace: [CICDTemplate.Api.Controllers.Products](#)

Assembly: CICDTemplate.Api.dll

Product response

```
public sealed record ProductResponse : IEquatable<ProductResponse>
```

## Inheritance

[object](#) ← ProductResponse

## Implements

[IEquatable](#)<[ProductResponse](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### ProductResponse(Guid, string, string?)

Product response

```
public ProductResponse(Guid Id, string Name, string? Description)
```

Parameters

Id [Guid](#)

Name [string](#)

Description [string](#)

## Properties

## Description

```
public string? Description { get; init; }
```

Property Value

[string](#) ↗

## Id

```
public Guid Id { get; init; }
```

Property Value

[Guid](#) ↗

## Name

```
public string Name { get; init; }
```

Property Value

[string](#) ↗

# Class ProductsController

Namespace: [CICDTemplate.Api.Controllers.Products](#)

Assembly: CICDTemplate.Api.dll

```
[Route("api/products")]
[ApiController]
public class ProductsController : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← ProductsController

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,  
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,  
[ControllerBase.RedirectPermanent\(string\)](#) ,  
[ControllerBase.RedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirect\(string\)](#) , [ControllerBase.LocalRedirectPermanent\(string\)](#) ,  
[ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectToAction\(\)](#) , [ControllerBase.RedirectToAction\(string\)](#) ,  
[ControllerBase.RedirectToAction\(string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,

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 [ControllerBase.RedirectToRoute\(string, string\)](#)  ,  
 [ControllerBase.RedirectToRoute\(string, object, string\)](#)  ,  
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 [ControllerBase.RedirectToPagePermanent\(string\)](#)  ,  
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 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
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 [ControllerBase.Unauthorized\(\)](#)  ,  [ControllerBase.Unauthorized\(object\)](#)  ,  
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 [ControllerBase.BadRequest\(\)](#)  ,  [ControllerBase.BadRequest\(object\)](#)  ,  
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.UnprocessableEntity\(\)](#)  ,  [ControllerBase.UnprocessableEntity\(object\)](#)  ,  
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#)  ,  [ControllerBase.Conflict\(\)](#)  ,  
 [ControllerBase.Conflict\(object\)](#)  ,  [ControllerBase.Conflict\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.Problem\(string, string, int?, string, string\)](#)  ,  
 [ControllerBase.Problem\(string, string, int?, string, string, IDictionary<string, object>\)](#)  ,  
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#)  ,  
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.ValidationProblem\(\)](#)  ,  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#)  ,  
  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary, IDictionary<string, object>\)](#)  ,  
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 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#)  ,  
 [ControllerBase.CreatedAtRoute\(string, object\)](#)  ,  
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[ControllerBase.AcceptedAtAction\(string, object, object\)](#)  ,  
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#)  ,  
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 [ControllerBase.Forbid\(AuthenticationProperties\)](#)  ,  
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#)  ,  
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 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#)  ,  
 [ControllerBase.SignOut\(\)](#)  ,  [ControllerBase.SignOut\(AuthenticationProperties\)](#)  ,  
 [ControllerBase.SignOut\(params string\[\]\)](#)  ,  
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\] \)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\] \)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#)  ,  
 [ControllerBase.TryValidateModel\(object\)](#)  ,  
 [ControllerBase.TryValidateModel\(object, string\)](#)  ,  [ControllerBase.HttpContext](#)  ,  
 [ControllerBase.Request](#)  ,  [ControllerBase.Response](#)  ,  [ControllerBase.RouteData](#)  ,  
 [ControllerBase.ModelState](#)  ,  [ControllerBase.ControllerContext](#)  ,  
 [ControllerBase.MetadataProvider](#)  ,  [ControllerBase.ModelBinderFactory](#)  ,  
 [ControllerBase.Url](#)  ,  [ControllerBase.ObjectValidator](#)  ,  
 [ControllerBase.ProblemDetailsFactory](#)  ,  [ControllerBase.User](#)  ,  [ControllerBase.Empty](#)  ,  
 [object.Equals\(object\)](#)  ,  [object.Equals\(object, object\)](#)  ,  [object.GetHashCode\(\)](#)  ,

[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### ProductsController(ISender, ILogger<ProductsController>)

```
public ProductsController(ISender sender, ILogger<ProductsController> logger)
```

#### Parameters

sender [ISender](#)

logger [ILogger](#)<[ProductsController](#)>

## Methods

### CreateProduct(CreateProductRequest, CancellationToken)

```
[HttpPost]  
public Task<ActionResult<Guid>> CreateProduct(CreateProductRequest request,  
CancellationToken cancellationToken = default)
```

#### Parameters

request [CreateProductRequest](#)

cancellationToken [CancellationToken](#)

#### Returns

[Task](#)<[ActionResult](#)<[Guid](#)>>

### GetProducts(CancellationToken)

```
[HttpGet]  
public Task<ActionResult<ReadProductsResponse>> GetProducts(CancellationToken  
cancellationToken = default)
```

## Parameters

cancelationToken  [CancellationToken](#)

## Returns

[Task](#) <[ActionResult](#) <[ReadProductsResponse](#)>>

# Class ReadProductsResponse

Namespace: [CICDTemplate.Api.Controllers.Products](#)

Assembly: CICDTemplate.Api.dll

Read products - response

```
public record ReadProductsResponse : IEquatable<ReadProductsResponse>
```

## Inheritance

[object](#) ← ReadProductsResponse

## Implements

[IEquatable](#)<[ReadProductsResponse](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### ReadProductsResponse(Collection<ProductResponse>)

Read products - response

```
public ReadProductsResponse(Collection<ProductResponse> Products)
```

## Parameters

Products [Collection](#)<[ProductResponse](#)>

## Properties

### Products

```
public Collection<ProductResponse> Products { get; init; }
```

Property Value

[Collection](#)<ProductResponse>

# Namespace CICDTemplate.Api.Controllers. Publisher

## Classes

[PublisherController](#)

# Class PublisherController

Namespace: [CICDTemplate.Api.Controllers.Publisher](#)

Assembly: CICDTemplate.Api.dll

```
[Route("api/publisher")]
[ApiController]
public class PublisherController : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← PublisherController

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,  
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,  
[ControllerBase.RedirectPermanent\(string\)](#) ,  
[ControllerBase.RedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirect\(string\)](#) , [ControllerBase.LocalRedirectPermanent\(string\)](#) ,  
[ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectToAction\(\)](#) , [ControllerBase.RedirectToAction\(string\)](#) ,  
[ControllerBase.RedirectToAction\(string, object\)](#) ,  
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[ControllerBase.RedirectToAction\(string, string, string\)](#) ,  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,  
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 [ControllerBase.RedirectToRoute\(string, string\)](#)  ,  
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 [ControllerBase.RedirectToPagePermanent\(string\)](#)  ,  
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 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#)  ,  
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 [ControllerBase.Problem\(string, string, int?, string, string, IDictionary<string, object>\)](#)  ,  
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#)  ,  
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.ValidationProblem\(\)](#)  ,  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#)  ,  
  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary, IDictionary<string, object>\)](#)  ,  
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 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#)  ,  
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 [ControllerBase.AcceptedAtAction\(string, string\)](#)  ,  
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[ControllerBase.AcceptedAtAction\(string, object, object\)](#)  ,  
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 [ControllerBase.AcceptedAtRoute\(object, object\)](#)  ,  
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 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#)  ,  
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 [ControllerBase.Forbid\(AuthenticationProperties\)](#)  ,  
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#)  ,  
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#)  ,  [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#)  ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#)  ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#)  ,  
 [ControllerBase.SignOut\(\)](#)  ,  [ControllerBase.SignOut\(AuthenticationProperties\)](#)  ,  
 [ControllerBase.SignOut\(params string\[\]\)](#)  ,  
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\] \)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\] \)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#)  ,  
 [ControllerBase.TryValidateModel\(object\)](#)  ,  
 [ControllerBase.TryValidateModel\(object, string\)](#)  ,  [ControllerBase.HttpContext](#)  ,  
 [ControllerBase.Request](#)  ,  [ControllerBase.Response](#)  ,  [ControllerBase.RouteData](#)  ,  
 [ControllerBase.ModelState](#)  ,  [ControllerBase.ControllerContext](#)  ,  
 [ControllerBase.MetadataProvider](#)  ,  [ControllerBase.ModelBinderFactory](#)  ,  
 [ControllerBase.Url](#)  ,  [ControllerBase.ObjectValidator](#)  ,  
 [ControllerBase.ProblemDetailsFactory](#)  ,  [ControllerBase.User](#)  ,  [ControllerBase.Empty](#)  ,  
 [object.Equals\(object\)](#)  ,  [object.Equals\(object, object\)](#)  ,  [object.GetHashCode\(\)](#)  ,

[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### PublisherController(ISender, ILogger<PublisherController>)

```
public PublisherController(ISender sender, ILogger<PublisherController> logger)
```

#### Parameters

sender [ISender](#)

logger [ILogger](#)<[PublisherController](#)>

## Methods

### Publish(Product, CancellationToken)

```
[HttpPost("publish")]
public Task<IActionResult> Publish(Product message, CancellationToken cancellationToken)
```

#### Parameters

message [Product](#)

cancellationToken [CancellationToken](#)

#### Returns

[Task](#)<[IActionResult](#)>

# Namespace CICDTemplate.Api.Controllers. Secrets

## Classes

[SecretsController](#)

# Class SecretsController

Namespace: [CICDTemplate.Api.Controllers.Secrets](#)

Assembly: CICDTemplate.Api.dll

```
[Route("api/secrets")]
[ApiController]
public class SecretsController : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← SecretsController

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,  
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,  
[ControllerBase.RedirectPermanent\(string\)](#) ,  
[ControllerBase.RedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirect\(string\)](#) , [ControllerBase.LocalRedirectPermanent\(string\)](#) ,  
[ControllerBase.LocalRedirectPreserveMethod\(string\)](#) ,  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#) ,  
[ControllerBase.RedirectToAction\(\)](#) , [ControllerBase.RedirectToAction\(string\)](#) ,  
[ControllerBase.RedirectToAction\(string, object\)](#) ,  
[ControllerBase.RedirectToAction\(string, string\)](#) ,  
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[ControllerBase.RedirectToAction\(string, string, string\)](#) ,  
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 [ControllerBase.ModelState](#)  ,  [ControllerBase.ControllerContext](#)  ,  
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 [ControllerBase.ProblemDetailsFactory](#)  ,  [ControllerBase.User](#)  ,  [ControllerBase.Empty](#)  ,  
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[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### SecretsController(ISender)

```
public SecretsController(ISender sender)
```

#### Parameters

sender ISender

## Methods

### Read(string)

```
[HttpGet("read")]
public Task<ActionResult<string>> Read(string key)
```

#### Parameters

key string

#### Returns

[Task](#)<[ActionResult](#)<string>>

# Namespace CICDTemplate.Api.Controllers. States

## Classes

[StatesController](#)

# Class StatesController

Namespace: [CICDTemplate.Api.Controllers.States](#)

Assembly: CICDTemplate.Api.dll

```
[Route("api/states")]
[ApiController]
public class StatesController : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← StatesController

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
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 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\] \)](#)  ,  
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[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### StatesController(ISender)

```
public StatesController(ISender sender)
```

#### Parameters

sender ISender

## Methods

### Delete(string)

```
[HttpDelete("delete")]
public Task<IActionResult> Delete(string productName)
```

#### Parameters

productName [string](#)

#### Returns

[Task](#)<[IActionResult](#)>

### Read(string)

```
[HttpGet("read")]
public Task<ActionResult<ProductState>> Read(string productName)
```

#### Parameters

productName [string](#)

Returns

[Task](#)<[ActionResult](#)<[ProductState](#)>>

## Save(Product)

```
[HttpPost("save")]
public Task<IActionResult> Save(Product state)
```

Parameters

state [Product](#)

Returns

[Task](#)<[IActionResult](#)>

# Namespace CICDTemplate.Api.Controllers. Subscriber

## Classes

[SubscriberController](#)

# Class SubscriberController

Namespace: [CICDTemplate.Api.Controllers.Subscriber](#)

Assembly: CICDTemplate.Api.dll

```
[Route("api/[controller]")]
[ApiController]
public class SubscriberController : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← [SubscriberController](#)

## Inherited Members

[ControllerBase.StatusCode\(int\)](#) , [ControllerBase.StatusCode\(int, object\)](#) ,  
[ControllerBase.Content\(string\)](#) , [ControllerBase.Content\(string, string\)](#) ,  
[ControllerBase.Content\(string, string, Encoding\)](#) ,  
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[ControllerBase.RedirectToActionPermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToRoute\(string\)](#) , [ControllerBase.RedirectToRoute\(object\)](#) ,

[ControllerBase.RedirectToRoute\(string, object\)](#)  ,  
 [ControllerBase.RedirectToRoute\(string, string\)](#)  ,  
 [ControllerBase.RedirectToRoute\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(object\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, object\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPage\(string\)](#)  ,  [ControllerBase.RedirectToPage\(string, object\)](#)  ,  
 [ControllerBase.RedirectToPage\(string, string\)](#)  ,  
 [ControllerBase.RedirectToPage\(string, string, object\)](#)  ,  
 [ControllerBase.RedirectToPage\(string, string, string\)](#)  ,  
 [ControllerBase.RedirectToPage\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, object\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#)  ,  
 [ControllerBase.File\(byte\[\], string\)](#)  ,  [ControllerBase.File\(byte\[\], string, bool\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, string\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, string, bool\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string\)](#)  ,  [ControllerBase.File\(Stream, string, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string, string\)](#)  ,  
 [ControllerBase.File\(Stream, string, string, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(string, string\)](#)  ,  [ControllerBase.File\(string, string, bool\)](#)  ,  
 [ControllerBase.File\(string, string, string\)](#)  ,  [ControllerBase.File\(string, string, string, bool\)](#)  ,  
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,

[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, bool\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.Unauthorized\(\)](#)  ,  [ControllerBase.Unauthorized\(object\)](#)  ,  
 [ControllerBase.NotFound\(\)](#)  ,  [ControllerBase.NotFound\(object\)](#)  ,  
 [ControllerBase.BadRequest\(\)](#)  ,  [ControllerBase.BadRequest\(object\)](#)  ,  
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.UnprocessableEntity\(\)](#)  ,  [ControllerBase.UnprocessableEntity\(object\)](#)  ,  
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#)  ,  [ControllerBase.Conflict\(\)](#)  ,  
 [ControllerBase.Conflict\(object\)](#)  ,  [ControllerBase.Conflict\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.Problem\(string, string, int?, string, string\)](#)  ,  
 [ControllerBase.Problem\(string, string, int?, string, string, IDictionary<string, object>\)](#)  ,  
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#)  ,  
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.ValidationProblem\(\)](#)  ,  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#)  ,  
  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary, IDictionary<string, object>\)](#)  ,  
 [ControllerBase.Created\(\)](#)  ,  [ControllerBase.Created\(string, object\)](#)  ,  
 [ControllerBase.Created\(Uri, object\)](#)  ,  [ControllerBase.CreatedAtAction\(string, object\)](#)  ,  
 [ControllerBase.CreatedAtAction\(string, object, object\)](#)  ,  
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#)  ,  
 [ControllerBase.CreatedAtRoute\(string, object\)](#)  ,  
 [ControllerBase.CreatedAtRoute\(object, object\)](#)  ,  
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#)  ,  [ControllerBase.Accepted\(\)](#)  ,  
 [ControllerBase.Accepted\(object\)](#)  ,  [ControllerBase.Accepted\(Uri\)](#)  ,  
 [ControllerBase.Accepted\(string\)](#)  ,  [ControllerBase.Accepted\(string, object\)](#)  ,  
 [ControllerBase.Accepted\(Uri, object\)](#)  ,  [ControllerBase.AcceptedAtAction\(string\)](#)  ,  
 [ControllerBase.AcceptedAtAction\(string, string\)](#)  ,  
 [ControllerBase.AcceptedAtAction\(string, object\)](#)  ,  
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#)  ,

[ControllerBase.AcceptedAtAction\(string, object, object\)](#)  ,  
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#)  ,  
 [ControllerBase.AcceptedAtRoute\(object\)](#)  ,  [ControllerBase.AcceptedAtRoute\(string\)](#)  ,  
 [ControllerBase.AcceptedAtRoute\(string, object\)](#)  ,  
 [ControllerBase.AcceptedAtRoute\(object, object\)](#)  ,  
 [ControllerBase.AcceptedAtRoute\(string, object, object\)](#)  ,  [ControllerBase.Challenge\(\)](#)  ,  
 [ControllerBase.Challenge\(params string\[\]\)](#)  ,  
 [ControllerBase.Challenge\(AuthenticationProperties\)](#)  ,  
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#)  ,  
 [ControllerBase.Forbid\(\)](#)  ,  [ControllerBase.Forbid\(params string\[\]\)](#)  ,  
 [ControllerBase.Forbid\(AuthenticationProperties\)](#)  ,  
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#)  ,  
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#)  ,  [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#)  ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#)  ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#)  ,  
 [ControllerBase.SignOut\(\)](#)  ,  [ControllerBase.SignOut\(AuthenticationProperties\)](#)  ,  
 [ControllerBase.SignOut\(params string\[\]\)](#)  ,  
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\] \)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\] \)](#)  ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#)  ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#)  ,  
 [ControllerBase.TryValidateModel\(object\)](#)  ,  
 [ControllerBase.TryValidateModel\(object, string\)](#)  ,  [ControllerBase.HttpContext](#)  ,  
 [ControllerBase.Request](#)  ,  [ControllerBase.Response](#)  ,  [ControllerBase.RouteData](#)  ,  
 [ControllerBase.ModelState](#)  ,  [ControllerBase.ControllerContext](#)  ,  
 [ControllerBase.MetadataProvider](#)  ,  [ControllerBase.ModelBinderFactory](#)  ,  
 [ControllerBase.Url](#)  ,  [ControllerBase.ObjectValidator](#)  ,  
 [ControllerBase.ProblemDetailsFactory](#)  ,  [ControllerBase.User](#)  ,  [ControllerBase.Empty](#)  ,  
 [object.Equals\(object\)](#)  ,  [object.Equals\(object, object\)](#)  ,  [object.GetHashCode\(\)](#)  ,

[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### SubscriberController(ILogger<SubscriberController>)

```
public SubscriberController(ILogger<SubscriberController> logger)
```

#### Parameters

logger [ILogger](#)<[SubscriberController](#)>

## Methods

### Subscribe(Product)

```
[HttpPost("consume")]
[Topic("pubsub", "message", null, null)]
public IActionResult Subscribe(Product message)
```

#### Parameters

message [Product](#)

#### Returns

[IActionResult](#)

# Namespace CICDTemplate.Api.Models

## Common

### Classes

[Product](#)

# Class Product

Namespace: [CICDTemplate.Api.Models.Common](#)

Assembly: CICDTemplate.Api.dll

```
public record Product : IEquatable<Product>
```

## Inheritance

[object](#) ← Product

## Implements

[IEquatable](#)<[Product](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### Product(string, string)

```
public Product(string Name, string Description)
```

## Parameters

Name [string](#)

Description [string](#)

## Properties

### Description

```
public string Description { get; init; }
```

Property Value

string ↗

Name

```
public string Name { get; init; }
```

Property Value

string ↗

# Namespace CICDTemplate.Application

## Classes

[Bootstrap](#)

# Class Bootstrap

Namespace: [CICDTemplate.Application](#)

Assembly: CICDTemplate.Application.dll

```
public static class Bootstrap
```

## Inheritance

[object](#) ← Bootstrap

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Methods

### AddApplication(IServiceCollection)

```
public static IServiceCollection AddApplication(this IServiceCollection services)
```

#### Parameters

services [IServiceCollection](#)

#### Returns

[IServiceCollection](#)

# Namespace CICDTemplate.Application. Abstractions.Caching Interfaces

[ICacheService](#)

# Interface ICacheService

Namespace: [CICDTemplate.Application.Abstractions.Caching](#)

Assembly: CICDTemplate.Application.dll

```
public interface ICacheService
```

## Methods

### GetAsync<T>(string, CancellationToken)

```
Task<T?> GetAsync<T>(string key, CancellationToken cancellationToken = default)
```

#### Parameters

key [string](#)

cancellationToken  [CancellationToken](#)

#### Returns

[Task](#)<T>

#### Type Parameters

T

### RemoveAsync(string, CancellationToken)

```
Task RemoveAsync(string key, CancellationToken cancellationToken = default)
```

#### Parameters

key [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

## SetAsync<T>(string, T, TimeSpan?, CancellationToken)

```
Task SetAsync<T>(string key, T value, TimeSpan? expiration, CancellationToken  
cancellationToken = default)
```

Parameters

key [string](#)

value T

expiration [TimeSpan](#)?

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Type Parameters

T

# Namespace CICDTemplate.Application. Abstractions.Clock Interfaces

[IDateTimeProvider](#)

Date time provider

# Interface IDateTimeProvider

Namespace: [CICDTemplate.Application.Abstractions.Clock](#)

Assembly: CICDTemplate.Application.dll

Date time provider

```
public interface IDateTimeProvider
```

## Properties

Now

Easy to mock

```
DateTime Now { get; }
```

Property Value

[DateTime](#) ↗

# Namespace CICDTemplate.Application. Behaviors

## Classes

[ValidationBehavior<TRequest, TResponse>](#)

# Class ValidationBehavior<TRequest, TResponse>

Namespace: [CICDTemplate.Application.Behaviors](#)

Assembly: CICDTemplate.Application.dll

```
public class ValidationBehavior<TRequest, TResponse> : IPipelineBehavior<TRequest, TResponse> where TRequest : IRequest<TResponse>
```

## Type Parameters

TRequest

TResponse

## Inheritance

[object](#) ↗ ValidationBehavior<TRequest, TResponse>

## Implements

IPipelineBehavior<TRequest, TResponse>

## Inherited Members

[object.Equals\(object\)](#) ↗ , [object.Equals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ ,  
[object.GetType\(\)](#) ↗ , [object.MemberwiseClone\(\)](#) ↗ , [object.ReferenceEquals\(object, object\)](#) ↗ ,  
[object.ToString\(\)](#) ↗

## Constructors

### ValidationBehavior(IEnumerable<IValidator<TRequest>>)

```
public ValidationBehavior(IEnumerable<IValidator<TRequest>> validators)
```

## Parameters

validators [IEnumerable](#) ↗ <IValidator<TRequest>>

# Methods

## Handle(TRequest, RequestHandlerDelegate<TResponse>, CancellationToken)

Pipeline handler. Perform any additional behavior and await the `next` delegate as necessary

```
public Task<TResponse> Handle(TRequest request, RequestHandlerDelegate<TResponse>  
next, CancellationToken cancellationToken)
```

### Parameters

`request` TRequest

Incoming request

`next` RequestHandlerDelegate<TResponse>

Awaitable delegate for the next action in the pipeline. Eventually this delegate represents the handler.

`cancellationToken` [CancellationToken](#)

Cancellation token

### Returns

[Task](#)<TResponse>

Awaitable task returning the `TResponse`

# Namespace CICDTemplate.Application.Configurations.Queries

## Classes

[ReadConfigurationQuery](#)

[ReadConfigurationQueryHandler](#)

# Class ReadConfigurationQuery

Namespace: [CICDTemplate.Application.Configurations.Queries](#)

Assembly: CICDTemplate.Application.dll

```
public record ReadConfigurationQuery : IRequest<string?>, IBaseRequest,  
IEquatable<ReadConfigurationQuery>
```

## Inheritance

[object](#) ← ReadConfigurationQuery

## Implements

IRequest<[string](#)>, IBaseRequest, IEquatable<[ReadConfigurationQuery](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### ReadConfigurationQuery(string)

```
public ReadConfigurationQuery(string Key)
```

## Parameters

Key [string](#)

## Properties

### Key

```
public string Key { get; init; }
```

## Property Value

[string](#) ↗

# Class ReadConfigurationQueryHandler

Namespace: [CICDTemplate.Application.Configurations.Queries](#)

Assembly: CICDTemplate.Application.dll

```
public class ReadConfigurationQueryHandler : IRequestHandler<ReadConfigurationQuery, string?>
```

## Inheritance

[object](#) ← ReadConfigurationQueryHandler

## Implements

IRequestHandler<[ReadConfigurationQuery](#), [string](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

ReadConfigurationQueryHandler(DaprClient,  
ILogger<ReadConfigurationQueryHandler>)

```
public ReadConfigurationQueryHandler(DaprClient daprClient,  
ILogger<ReadConfigurationQueryHandler> logger)
```

## Parameters

daprClient DaprClient

logger [ILogger](#)<[ReadConfigurationQueryHandler](#)>

## Methods

Handle(ReadConfigurationQuery, CancellationToken)

Handles a request

```
public Task<string?> Handle(ReadConfigurationQuery request,  
CancellationToken cancellationToken)
```

Parameters

request [ReadConfigurationQuery](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<string>

Response from the request

# Namespace CICDTemplate.Application. Products.Commands.CreateProduct Classes

[CreateProductCommand](#)

Create product command

[CreateProductCommandHandler](#)

[CreateProductCommandValidator](#)

# Class CreateProductCommand

Namespace: [CICDTemplate.Application.Products.Commands.CreateProduct](#)

Assembly: CICDTemplate.Application.dll

Create product command

```
public sealed record CreateProductCommand : IRequest<Guid?>, IBaseRequest,  
IEquatable<CreateProductCommand>
```

## Inheritance

[object](#) ← CreateProductCommand

## Implements

IRequest<[Guid](#)?>, IBaseRequest, [IEquatable](#)<CreateProductCommand>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### CreateProductCommand(string, string)

Create product command

```
public CreateProductCommand(string Name, string Description)
```

## Parameters

Name [string](#)

Product name

Description [string](#)

Product description

# Properties

## Description

Product description

```
public string Description { get; init; }
```

Property Value

[string](#) ↗

## Name

Product name

```
public string Name { get; init; }
```

Property Value

[string](#) ↗

# Class CreateProductCommandHandler

Namespace: [CICDTemplate.Application.Products.Commands.CreateProduct](#)

Assembly: CICDTemplate.Application.dll

```
public sealed class CreateProductCommandHandler :  
    IRequestHandler<CreateProductCommand, Guid?>
```

## Inheritance

[object](#) ← CreateProductCommandHandler

## Implements

IRequestHandler<[CreateProductCommand](#), [Guid](#)?>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

CreateProductCommandHandler(IProductsRepository, IDateTimeProvider)

```
public CreateProductCommandHandler(IProductsRepository repository,  
    IDateTimeProvider dateServiceProvider)
```

## Parameters

repository [IProductsRepository](#)

dateTimeProvider [IDateTimeProvider](#)

## Methods

Handle(CreateProductCommand, CancellationToken)

Handles a request

```
public Task<Guid?> Handle(CreateProductCommand request, CancellationToken cancellationToken)
```

## Parameters

request [CreateProductCommand](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

## Returns

[Task](#)<[Guid](#)?>

Response from the request

# Class CreateProductCommandValidator

Namespace: [CICDTemplate.Application.Products.Commands.CreateProduct](#)

Assembly: CICDTemplate.Application.dll

```
public class CreateProductCommandValidator :  
AbstractValidator<CreateProductCommand>, IValidator<CreateProductCommand>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

## Inheritance

[object](#) ← AbstractValidator<[CreateProductCommand](#)> ← CreateProductCommandValidator

## Implements

IValidator<[CreateProductCommand](#)>, IValidator, [IEnumerable](#)<IValidationRule>,  
[IEnumerable](#)

## Inherited Members

AbstractValidator<CreateProductCommand>.Validate(CreateProductCommand),  
[AbstractValidator<CreateProductCommand>.ValidateAsync\(CreateProductCommand, CancellationToken\)](#),  
AbstractValidator<CreateProductCommand>.Validate(ValidationContext<CreateProductCommand>),  
[AbstractValidator<CreateProductCommand>.ValidateAsync\(ValidationContext<CreateProductCommand>, CancellationToken\)](#),  
AbstractValidator<CreateProductCommand>.CreateDescriptor(),  
[AbstractValidator<CreateProductCommand>.RuleFor<TPROPERTY>\(Expression<Func<CreateProductCommand, TPROPERTY>>\)](#),  
[AbstractValidator<CreateProductCommand>.RuleForEach<TELEMENT>\(Expression<Func<CreateProductCommand, IEnumerable<TELEMENT>>\)](#),  
[AbstractValidator<CreateProductCommand>.RuleSet\(string, Action\)](#),  
[AbstractValidator<CreateProductCommand>.When\(Func<CreateProductCommand, bool>, Action\)](#),  
[AbstractValidator<CreateProductCommand>.When\(Func<CreateProductCommand, ValidationContext<CreateProductCommand>, bool>, Action\)](#),  
[AbstractValidator<CreateProductCommand>.Unless\(Func<CreateProductCommand, bool>, Action\)](#),  
[AbstractValidator<CreateProductCommand>.Unless\(Func<CreateProductCommand, ValidationContext<CreateProductCommand>, bool>, Action\)](#),

```
AbstractValidator<CreateProductCommand>.WhenAsync\(Func<CreateProductCommand, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateProductCommand>.WhenAsync\(Func<CreateProductCommand, ValidationContext<CreateProductCommand>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateProductCommand>.UnlessAsync\(Func<CreateProductCommand, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateProductCommand>.UnlessAsync\(Func<CreateProductCommand, ValidationContext<CreateProductCommand>, CancellationToken, Task<bool>>, Action\) ,
AbstractValidator<CreateProductCommand>.Include(IValidator<CreateProductCommand>)

,
AbstractValidator<CreateProductCommand>.Include<TValidator>\(Func<CreateProductCommand, TValidator>\) ,
AbstractValidator<CreateProductCommand>.GetEnumerator() ,
AbstractValidator<CreateProductCommand>.PreValidate(ValidationContext<CreateProductCommand>, ValidationResult) ,
AbstractValidator<CreateProductCommand>.RaiseValidationException(ValidationContext<CreateProductCommand>, ValidationResult) ,
AbstractValidator<CreateProductCommand>.OnRuleAdded(IValidationRule<CreateProductCommand>) ,
AbstractValidator<CreateProductCommand>.ClassLevelCascadeMode ,
AbstractValidator<CreateProductCommand>.RuleLevelCascadeMode ,
object.Equals\(object\) , object.Equals\(object, object\) , object.GetHashCode\(\) ,
object.GetType\(\) , object.MemberwiseClone\(\) , object.ReferenceEquals\(object, object\) ,
object.ToString\(\)
```

## Constructors

### CreateProductCommandValidator()

```
public CreateProductCommandValidator()
```

# Namespace CICDTemplate.Application. Products.Commands.DeleteState Classes

[DeleteStateCommand](#)

[DeleteStateCommandHandler](#)

# Class DeleteStateCommand

Namespace: [CICDTemplate.Application.Products.Commands.DeleteState](#)

Assembly: CICDTemplate.Application.dll

```
public record DeleteStateCommand : IRequest, IBaseRequest,  
IEquatable<DeleteStateCommand>
```

## Inheritance

[object](#) ← DeleteStateCommand

## Implements

IRequest, IBaseRequest, [IEquatable](#)<[DeleteStateCommand](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### DeleteStateCommand(string)

```
public DeleteStateCommand(string ProductName)
```

## Parameters

ProductName [string](#)

## Properties

### ProductName

```
public string ProductName { get; init; }
```

## Property Value

[string](#) ↗

# Class DeleteStateCommandHandler

Namespace: [CICDTemplate.Application.Products.Commands.DeleteState](#)

Assembly: CICDTemplate.Application.dll

```
public sealed class DeleteStateCommandHandler : IRequestHandler<DeleteStateCommand>
```

## Inheritance

[object](#) ← DeleteStateCommandHandler

## Implements

IRequestHandler<[DeleteStateCommand](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

DeleteStateCommandHandler(DaprClient,  
ILogger<DeleteStateCommandHandler>)

```
public DeleteStateCommandHandler(DaprClient daprClient,  
ILogger<DeleteStateCommandHandler> logger)
```

## Parameters

daprClient DaprClient

logger  [ILogger](#)<DeleteStateCommandHandler>

## Methods

Handle(DeleteStateCommand, CancellationToken)

Handles a request

```
public Task Handle(DeleteStateCommand request, CancellationToken cancellationToken)
```

## Parameters

request [DeleteStateCommand](#)

The request

cancellationToken  [CancellationToken](#)

Cancellation token

## Returns

[Task](#)

Response from the request

# Namespace CICDTemplate.Application. Products.Queries.ReadProducts

## Classes

[ReadProductsQuery](#)

[ReadProductsQueryHandler](#)

# Class ReadProductsQuery

Namespace: [CICDTemplate.Application.Products.Queries.ReadProducts](#)

Assembly: CICDTemplate.Application.dll

```
public sealed record ReadProductsQuery : IRequest<Product[]>, IBaseRequest,  
IEquatable<ReadProductsQuery>
```

## Inheritance

[object](#) ← ReadProductsQuery

## Implements

IRequest<[Product](#)[]>, IBaseRequest, IEquatable<[ReadProductsQuery](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### ReadProductsQuery()

```
public ReadProductsQuery()
```

# Class ReadProductsQueryHandler

Namespace: [CICDTemplate.Application.Products.Queries.ReadProducts](#)

Assembly: CICDTemplate.Application.dll

```
public sealed class ReadProductsQueryHandler : IRequestHandler<ReadProductsQuery,  
Product[]>
```

## Inheritance

[object](#) ← ReadProductsQueryHandler

## Implements

IRequestHandler<[ReadProductsQuery](#), [Product](#)[]>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

ReadProductsQueryHandler(IProductsRepository, ICacheService, ILogger<ReadProductsQueryHandler>)

```
public ReadProductsQueryHandler(IProductsRepository repository, ICacheService  
cacheService, ILogger<ReadProductsQueryHandler> logger)
```

## Parameters

repository [IProductsRepository](#)

cacheService [ICacheService](#)

logger [ILogger](#)<ReadProductsQueryHandler>

## Methods

# Handle(ReadProductsQuery, CancellationToken)

Handles a request

```
public Task<Product[]> Handle(ReadProductsQuery request, CancellationToken cancellationToken)
```

Parameters

request [ReadProductsQuery](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

Returns

[Task](#)<Product[]>

Response from the request

# Namespace CICDTemplate.Application.Pub Sub.Commands.PublishProduct

## Classes

[PublishProductCommand](#)

[PublishProductCommandHandler](#)

[PublishProductCommandValidator](#)

# Class PublishProductCommand

Namespace: [CICDTemplate.Application.PubSub.Commands.PublishProduct](#)

Assembly: CICDTemplate.Application.dll

```
public record PublishProductCommand : IRequest, IBaseRequest,  
IEquatable<PublishProductCommand>
```

## Inheritance

[object](#) ← PublishProductCommand

## Implements

IRequest, IBaseRequest, [IEquatable](#)<[PublishProductCommand](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### PublishProductCommand(string, string)

```
public PublishProductCommand(string Name, string Description)
```

## Parameters

Name [string](#)

Description [string](#)

## Properties

### Description

```
public string Description { get; init; }
```

Property Value

string ↗

Name

```
public string Name { get; init; }
```

Property Value

string ↗

# Class PublishProductCommandHandler

Namespace: [CICDTemplate.Application.PubSub.Commands.PublishProduct](#)

Assembly: CICDTemplate.Application.dll

```
public sealed class PublishProductCommandHandler :  
    IRequestHandler<PublishProductCommand>
```

## Inheritance

[object](#) ← PublishProductCommandHandler

## Implements

IRequestHandler<[PublishProductCommand](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

PublishProductCommandHandler(DaprClient,  
ILogger<PublishProductCommandHandler>)

```
public PublishProductCommandHandler(DaprClient daprClient,  
ILogger<PublishProductCommandHandler> logger)
```

## Parameters

daprClient DaprClient

logger [ILogger](#)<PublishProductCommandHandler>

## Methods

Handle(PublishProductCommand, CancellationToken)

Handles a request

```
public Task Handle(PublishProductCommand request, CancellationToken  
cancellationToken)
```

## Parameters

**request** [PublishProductCommand](#)

The request

**cancellationToken** [CancellationToken](#)

Cancellation token

## Returns

[Task](#)

Response from the request

# Class PublishProductCommandValidator

Namespace: [CICDTemplate.Application.PubSub.Commands.PublishProduct](#)

Assembly: CICDTemplate.Application.dll

```
public class PublishProductCommandValidator :  
AbstractValidator<PublishProductCommand>, IValidator<PublishProductCommand>,  
IValidator, IEnumerable<IValidationRule>, IEnumerable
```

## Inheritance

[object](#) ← AbstractValidator<[PublishProductCommand](#)> ←  
PublishProductCommandValidator

## Implements

IValidator<[PublishProductCommand](#)>, IValidator, [IEnumerable](#)<IValidationRule>,  
[IEnumerable](#)

## Inherited Members

AbstractValidator<PublishProductCommand>.Validate(PublishProductCommand) ,  
[AbstractValidator<PublishProductCommand>.ValidateAsync\(PublishProductCommand, CancellationToken\)](#) ,  
AbstractValidator<PublishProductCommand>.Validate(ValidationContext<PublishProductCommand>) ,  
[AbstractValidator<PublishProductCommand>.ValidateAsync\(ValidationContext<PublishProductCommand>, CancellationToken\)](#) ,  
AbstractValidator<PublishProductCommand>.CreateDescriptor() ,  
[AbstractValidator<PublishProductCommand>.RuleFor<TPROPERTY>\(Expression<Func<PublishProductCommand, TPROPERTY>>\)](#) ,  
[AbstractValidator<PublishProductCommand>.RuleForEach<TELEMENT>\(Expression<Func<PublishProductCommand, IEnumerable<TELEMENT>>\)](#) ,  
[AbstractValidator<PublishProductCommand>.RuleSet\(string, Action\)](#) ,  
[AbstractValidator<PublishProductCommand>.When\(Func<PublishProductCommand, bool>, Action\)](#) ,  
[AbstractValidator<PublishProductCommand>.When\(Func<PublishProductCommand, ValidationContext<PublishProductCommand>, bool>, Action\)](#) ,  
[AbstractValidator<PublishProductCommand>.Unless\(Func<PublishProductCommand, bool>, Action\)](#) ,  
[AbstractValidator<PublishProductCommand>.Unless\(Func<PublishProductCommand, ValidationContext<PublishProductCommand>, bool>, Action\)](#) ,

[AbstractValidator<PublishProductCommand>.WhenAsync\(Func<PublishProductCommand, CancellationToken, Task<bool>>, Action\)](#) ,  
[AbstractValidator<PublishProductCommand>.WhenAsync\(Func<PublishProductCommand, ValidationContext<PublishProductCommand>, CancellationToken, Task<bool>>, Action\)](#) ,  
[AbstractValidator<PublishProductCommand>.UnlessAsync\(Func<PublishProductCommand, CancellationToken, Task<bool>>, Action\)](#) ,  
[AbstractValidator<PublishProductCommand>.UnlessAsync\(Func<PublishProductCommand, ValidationContext<PublishProductCommand>, CancellationToken, Task<bool>>, Action\)](#) ,  
AbstractValidator<PublishProductCommand>.Include(IValidator<PublishProductCommand> ) ,  
[AbstractValidator<PublishProductCommand>.Include<TValidator>\(Func<PublishProductCommand, TValidator>\)](#) ,  
AbstractValidator<PublishProductCommand>.GetEnumerator() ,  
AbstractValidator<PublishProductCommand>.PreValidate(ValidationContext<PublishProductCommand>, ValidationResult) ,  
AbstractValidator<PublishProductCommand>.RaiseValidationException(ValidationContext<PublishProductCommand>, ValidationResult) ,  
AbstractValidator<PublishProductCommand>.OnRuleAdded(IValidationRule<PublishProductCommand>) ,  
AbstractValidator<PublishProductCommand>.ClassLevelCascadeMode ,  
AbstractValidator<PublishProductCommand>.RuleLevelCascadeMode ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### PublishProductCommandValidator()

```
public PublishProductCommandValidator()
```

# Namespace CICDTemplate.Application.Secrets.Questions

## Classes

[ReadSecretQuery](#)

[ReadSecretQueryHandler](#)

# Class ReadSecretQuery

Namespace: [CICDTemplate.Application.Secrets.Queries](#)

Assembly: CICDTemplate.Application.dll

```
public record ReadSecretQuery : IRequest<string?>, IBaseRequest,  
IEquatable<ReadSecretQuery>
```

## Inheritance

[object](#) ← ReadSecretQuery

## Implements

IRequest<[string](#)>, IBaseRequest, [IEquatable](#)<[ReadSecretQuery](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### ReadSecretQuery(string)

```
public ReadSecretQuery(string Key)
```

## Parameters

Key [string](#)

## Properties

### Key

```
public string Key { get; init; }
```

## Property Value

[string](#) ↗

# Class ReadSecretQueryHandler

Namespace: [CICDTemplate.Application.Secrets.Queries](#)

Assembly: CICDTemplate.Application.dll

```
public sealed class ReadSecretQueryHandler : IRequestHandler<ReadSecretQuery, string?>
```

## Inheritance

[object](#) ← ReadSecretQueryHandler

## Implements

IRequestHandler<[ReadSecretQuery](#), [string](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

ReadSecretQueryHandler(DaprClient,  
ILogger<ReadSecretQueryHandler>)

```
public ReadSecretQueryHandler(DaprClient daprClient, ILogger<ReadSecretQueryHandler>  
logger)
```

## Parameters

daprClient DaprClient

logger [ILogger](#)<ReadSecretQueryHandler>

## Methods

Handle(ReadSecretQuery, CancellationToken)

Handles a request

```
public Task<string?> Handle(ReadSecretQuery request, CancellationToken  
cancellationToken)
```

## Parameters

request [ReadSecretQuery](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

## Returns

[Task](#)<[string](#)>

Response from the request

# Namespace CICDTemplate.Application. States.Commands.SaveState

## Classes

[SaveStateCommand](#)

[SaveStateCommandHandler](#)

[SaveStateCommandValidator](#)

# Class SaveStateCommand

Namespace: [CICDTemplate.Application.States.Commands.SaveState](#)

Assembly: CICDTemplate.Application.dll

```
public record SaveStateCommand : IRequest, IBaseRequest,  
IEquatable<SaveStateCommand>
```

## Inheritance

[object](#) ← SaveStateCommand

## Implements

IRequest, IBaseRequest, [IEquatable](#)<[SaveStateCommand](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### SaveStateCommand(string, string)

```
public SaveStateCommand(string Name, string Description)
```

## Parameters

Name [string](#)

Description [string](#)

## Properties

### Description

```
public string Description { get; init; }
```

Property Value

string ↗

Name

```
public string Name { get; init; }
```

Property Value

string ↗

# Class SaveStateCommandHandler

Namespace: [CICDTemplate.Application.States.Commands.SaveState](#)

Assembly: CICDTemplate.Application.dll

```
public sealed class SaveStateCommandHandler : IRequestHandler<SaveStateCommand>
```

## Inheritance

[object](#) ← SaveStateCommandHandler

## Implements

IRequestHandler<[SaveStateCommand](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

SaveStateCommandHandler(DaprClient,  
ILogger<SaveStateCommandHandler>)

```
public SaveStateCommandHandler(DaprClient daprClient,  
ILogger<SaveStateCommandHandler> logger)
```

## Parameters

daprClient DaprClient

logger  [ILogger](#)<[SaveStateCommandHandler](#)>

## Methods

Handle(SaveStateCommand, CancellationToken)

Handles a request

```
public Task Handle(SaveStateCommand request, CancellationToken cancellationToken)
```

## Parameters

request [SaveStateCommand](#)

The request

cancellationToken  [CancellationToken](#)

Cancellation token

## Returns

[Task](#)

Response from the request

# Class SaveStateCommandValidator

Namespace: [CICDTemplate.Application.States.Commands.SaveState](#)

Assembly: CICDTemplate.Application.dll

```
public class SaveStateCommandValidator : AbstractValidator<SaveStateCommand>,
IValidator<SaveStateCommand>, IValidator, IEnumerable<IValidationRule>, IEnumerable
```

## Inheritance

[object](#) ↗ ← AbstractValidator<[SaveStateCommand](#)> ← SaveStateCommandValidator

## Implements

IValidator<[SaveStateCommand](#)>, IValidator, [IEnumerable](#) ↗ <IValidationRule>, [IEnumerable](#) ↗

## Inherited Members

AbstractValidator<SaveStateCommand>.Validate(SaveStateCommand) ,  
[AbstractValidator<SaveStateCommand>.ValidateAsync\(SaveStateCommand, CancellationToken\)](#) ↗ ,  
AbstractValidator<SaveStateCommand>.Validate(ValidationContext<SaveStateCommand>) ,  
[AbstractValidator<SaveStateCommand>.ValidateAsync\(ValidationContext<SaveStateCommand>, CancellationToken\)](#) ↗ ,  
AbstractValidator<SaveStateCommand>.CreateDescriptor() ,  
[AbstractValidator<SaveStateCommand>.RuleFor<TPROPERTY>\(Expression<Func<SaveStateCommand, TPROPERTY>>\)](#) ↗ ,  
[AbstractValidator<SaveStateCommand>.RuleForEach<TELEMENT>\(Expression<Func<SaveStateCommand, IEnumerable<TELEMENT>>\)](#) ↗ ,  
[AbstractValidator<SaveStateCommand>.RuleSet\(string, Action\)](#) ↗ ,  
[AbstractValidator<SaveStateCommand>.When\(Func<SaveStateCommand, bool>, Action\)](#) ↗ ,  
,  
[AbstractValidator<SaveStateCommand>.When\(Func<SaveStateCommand, ValidationContext<SaveStateCommand>, bool>, Action\)](#) ↗ ,  
[AbstractValidator<SaveStateCommand>.Unless\(Func<SaveStateCommand, bool>, Action\)](#) ↗ ,  
[AbstractValidator<SaveStateCommand>.Unless\(Func<SaveStateCommand, ValidationContext<SaveStateCommand>, bool>, Action\)](#) ↗ ,  
[AbstractValidator<SaveStateCommand>.WhenAsync\(Func<SaveStateCommand, CancellationToken, Task<bool>>, Action\)](#) ↗ ,

[AbstractValidator<SaveStateCommand>.WhenAsync\(Func<SaveStateCommand, ValidationContext<SaveStateCommand>, CancellationToken, Task<bool>>, Action\)](#) ,  
[AbstractValidator<SaveStateCommand>.UnlessAsync\(Func<SaveStateCommand, CancellationToken, Task<bool>>, Action\)](#) ,  
[AbstractValidator<SaveStateCommand>.UnlessAsync\(Func<SaveStateCommand, ValidationContext<SaveStateCommand>, CancellationToken, Task<bool>>, Action\)](#) ,  
AbstractValidator<SaveStateCommand>.Include(IValidator<SaveStateCommand>) ,  
[AbstractValidator<SaveStateCommand>.Include<TValidator>\(Func<SaveStateCommand, TValidator>\)](#) ,  
AbstractValidator<SaveStateCommand>.GetEnumerator() ,  
AbstractValidator<SaveStateCommand>.PreValidate(ValidationContext<SaveStateCommand>, ValidationResult) ,  
AbstractValidator<SaveStateCommand>.RaiseValidationException(ValidationContext<SaveStateCommand>, ValidationResult) ,  
AbstractValidator<SaveStateCommand>.OnRuleAdded(IValidationRule<SaveStateCommand>) ,  
AbstractValidator<SaveStateCommand>.ClassLevelCascadeMode ,  
AbstractValidator<SaveStateCommand>.RuleLevelCascadeMode , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### SaveStateCommandValidator()

```
public SaveStateCommandValidator()
```

# Namespace CICDTemplate.Application. States.Questions.ReadState

## Classes

[ProductState](#)

[ReadStateQuery](#)

[ReadStateQueryHandler](#)

# Class ProductState

Namespace: [CICDTemplate.Application.States.Queries.ReadState](#)

Assembly: CICDTemplate.Application.dll

```
public record ProductState : IEquatable<ProductState>
```

## Inheritance

[object](#) ← ProductState

## Implements

[IEquatable](#)<[ProductState](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### ProductState(string, string)

```
public ProductState(string Name, string Description)
```

## Parameters

Name [string](#)

Description [string](#)

## Properties

### Description

```
public string Description { get; init; }
```

Property Value

string ↗

Name

```
public string Name { get; init; }
```

Property Value

string ↗

# Class ReadStateQuery

Namespace: [CICDTemplate.Application.States.Queries.ReadState](#)

Assembly: CICDTemplate.Application.dll

```
public record ReadStateQuery : IRequest<ProductState?>,
IBaseRequest, IEquatable<ReadStateQuery>
```

## Inheritance

[object](#) ← ReadStateQuery

## Implements

IRequest<[ProductState](#)>, IBaseRequest, [IEquatable](#)<[ReadStateQuery](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### ReadStateQuery(string)

```
public ReadStateQuery(string ProductName)
```

## Parameters

ProductName [string](#)

## Properties

### ProductName

```
public string ProductName { get; init; }
```

## Property Value

[string](#) ↗

# Class ReadStateQueryHandler

Namespace: [CICDTemplate.Application.States.Queries.ReadState](#)

Assembly: CICDTemplate.Application.dll

```
public sealed class ReadStateQueryHandler : IRequestHandler<ReadStateQuery,  
ProductState?>
```

## Inheritance

[object](#) ← ReadStateQueryHandler

## Implements

IRequestHandler<[ReadStateQuery](#), [ProductState](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

ReadStateQueryHandler(DaprClient,  
ILogger<ReadStateQueryHandler>)

```
public ReadStateQueryHandler(DaprClient daprClient, ILogger<ReadStateQueryHandler>  
logger)
```

## Parameters

daprClient DaprClient

logger [ILogger](#)<ReadStateQueryHandler>

## Methods

Handle(ReadStateQuery, CancellationToken)

Handles a request

```
public Task<ProductState?> Handle(ReadStateQuery request,  
CancellationToken cancellationToken)
```

## Parameters

request [ReadStateQuery](#)

The request

cancellationToken [CancellationToken](#)

Cancellation token

## Returns

[Task](#)<[ProductState](#)>

Response from the request

# Namespace CICDTemplate.Domain. Abstract Classes

[Constants](#)

# Class Constants

Namespace: [CICDTemplate.Domain.Abstract](#)

Assembly: CICDTemplate.Domain.dll

```
public static class Constants
```

## Inheritance

[object](#) ← Constants

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Fields

### AllProductsCacheKey

```
public const string AllProductsCacheKey = "AllProducts"
```

Field Value

[string](#)

### CacheConnectionStringName

```
public const string CacheConnectionStringName = "redis"
```

Field Value

[string](#)

### ConfigStoreName

```
public const string ConfigStoreName = "configstore"
```

Field Value

[string](#)

## ConnectionStringName

```
public const string DatabaseConnectionStringName = "cicdtemplatedb"
```

Field Value

[string](#)

## PubSubName

```
public const string PubSubName = "pubsub"
```

Field Value

[string](#)

## PubSubTopicName

```
public const string PubSubTopicName = "message"
```

Field Value

[string](#)

## SecretsStoreName

```
public const string SecretsStoreName = "secretstore"
```

Field Value

[string](#) ↗

## StateStoreName

```
public const string StateStoreName = "statestore"
```

Field Value

[string](#) ↗

# Namespace CICDTemplate.Domain.Entities

## Classes

[Entity](#)

[Product](#)

Product entity

# Class Entity

Namespace: [CICDTemplate.Domain.Entities](#)

Assembly: CICDTemplate.Domain.dll

```
public abstract class Entity
```

## Inheritance

[object](#) ← Entity

## Derived

[Product](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### Entity()

```
protected Entity()
```

### Entity(Guid)

```
protected Entity(Guid id)
```

## Parameters

[id](#) [Guid](#)

## Properties

## CreatedAtUtc

Created at time in UTC

```
public DateTime CreatedAtUtc { get; set; }
```

Property Value

[DateTime](#)

## Id

Unique Identifier

```
public Guid Id { get; protected set; }
```

Property Value

[Guid](#)

## UpdatedAtUtc

Updated at time in UTC

```
public DateTime? UpdatedAtUtc { get; set; }
```

Property Value

[DateTime](#)?

# Class Product

Namespace: [CICDTemplate.Domain.Entities](#)

Assembly: CICDTemplate.Domain.dll

Product entity

```
public sealed class Product : Entity
```

## Inheritance

[object](#) ← [Entity](#) ← Product

## Inherited Members

[Entity.Id](#) , [Entity.CreatedAtUtc](#) , [Entity.UpdatedAtUtc](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

### Description

Product description

```
public string? Description { get; set; }
```

Property Value

[string](#)

### Name

Product name

```
public string Name { get; set; }
```

Property Value

[string](#) ↗

# Namespace CICDTemplate.Domain. Repositories Interfaces

[IProductsRepository](#)

Products repository

# Interface IProductsRepository

Namespace: [CICDTemplate.Domain.Repositories](#)

Assembly: CICDTemplate.Domain.dll

Products repository

```
public interface IProductsRepository
```

## Methods

### CreateProductAsync(Product, CancellationToken)

Create product

```
Task<Guid?> CreateProductAsync(Product product, CancellationToken cancellationToken  
= default)
```

Parameters

product [Product](#)

Product

cancellationToken [CancellationToken](#)

Returns

[Task](#)<[Guid](#)?>

Product id

### GetProductsAsync(CancellationToken)

Get all products

```
Task<IEnumerable<Product>> GetProductsAsync(CancellationToken cancellationToken  
= default)
```

## Parameters

cancellationToken  [CancellationToken](#)

## Returns

[Task](#)  <  [IEnumerable](#)  <  [Product](#)  >>

Products

# Namespace CICDTemplate.Infrastructure

## Classes

[ApplicationDbContext](#)

[Bootstrap](#)

# Class ApplicationDbContext

Namespace: [CICDTemplate.Infrastructure](#)

Assembly: CICDTemplate.Infrastructure.dll

```
public sealed class ApplicationDbContext : DbContext,
IInfrastructure<IServiceProvider>, IDbContextDependencies, IDbSetCache,
IDbContextPoolable, IResettableService, IDisposable, IAsyncDisposable
```

## Inheritance

[object](#) ← [DbContext](#) ← ApplicationDbContext

## Implements

[IInfrastructure](#)<[IServiceProvider](#)>, [IDbContextDependencies](#), [IDbSetCache](#),  
[IDbContextPoolable](#), [IResettableService](#), [IDisposable](#), [IAsyncDisposable](#)

## Inherited Members

[DbContext.Set< TEntity >\(\)](#) , [DbContext.Set< TEntity >\(string\)](#) ,  
[DbContext.SaveChanges\(\)](#) , [DbContext.SaveChanges\(bool\)](#) ,  
[DbContext.SaveChangesAsync\(CancellationToken\)](#) ,  
[DbContext.SaveChangesAsync\(bool, CancellationToken\)](#) , [DbContext.Dispose\(\)](#) ,  
[DbContext.DisposeAsync\(\)](#) , [DbContext.Entry< TEntity >\(TEntity\)](#) ,  
[DbContext.Entry\(object\)](#) , [DbContext.Add< TEntity >\(TEntity\)](#) ,  
[DbContext.AddAsync< TEntity >\(TEntity, CancellationToken\)](#) ,  
[DbContext.Attach< TEntity >\(TEntity\)](#) , [DbContext.Update< TEntity >\(TEntity\)](#) ,  
[DbContext.Remove< TEntity >\(TEntity\)](#) , [DbContext.Add\(object\)](#) ,  
[DbContext.AddAsync\(object, CancellationToken\)](#) , [DbContext.Attach\(object\)](#) ,  
[DbContext.Update\(object\)](#) , [DbContext.Remove\(object\)](#) ,  
[DbContext.AddRange\(params object\[\]\)](#) , [DbContext.AddRangeAsync\(params object\[\]\)](#) ,  
[DbContext.AttachRange\(params object\[\]\)](#) , [DbContext.UpdateRange\(params object\[\]\)](#) ,  
[DbContext.RemoveRange\(params object\[\]\)](#) ,  
[DbContext.AddRange\(IEnumerable< object >\)](#) ,  
[DbContext.AddRangeAsync\(IEnumerable< object >, CancellationToken\)](#) ,  
[DbContext.AttachRange\(IEnumerable< object >\)](#) ,  
[DbContext.UpdateRange\(IEnumerable< object >\)](#) ,  
[DbContext.RemoveRange\(IEnumerable< object >\)](#) ,  
[DbContext.Find\(Type, params object\[\]\)](#) , [DbContext.FindAsync\(Type, params object\[\]\)](#) ,  
[DbContext.FindAsync\(Type, object\[\], CancellationToken\)](#) ,  
[DbContext.Find< TEntity >\(params object\[\]\)](#) ,

[DbContext.FindAsync< TEntity >\(params object\[\]\)](#) ,  
[DbContext.FindAsync< TEntity >\(object\[\], CancellationToken\)](#) ,  
[DbContext.FromExpression< TResult >\(Expression< Func< IQueryble< TResult >> \)](#) ,  
[DbContext.Database](#) , [DbContext.ChangeTracker](#) , [DbContext.Model](#) ,  
[DbContext.ContextId](#) , [DbContext.SavingChanges](#) , [DbContext.SavedChanges](#) ,  
[DbContext.SaveChangesFailed](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Constructors

### ApplicationDbContext(DbContextOptions<ApplicationContext>)

```
public ApplicationDbContext(DbContextOptions<ApplicationContext> options)
```

#### Parameters

options [DbContextOptions](#)<ApplicationContext>

## Methods

### OnModelCreating(ModelBuilder)

Override this method to further configure the model that was discovered by convention from the entity types exposed in [DbSet< TEntity >](#) properties on your derived context. The resulting model may be cached and re-used for subsequent instances of your derived context.

```
protected override void OnModelCreating(ModelBuilder modelBuilder)
```

#### Parameters

modelBuilder [ModelBuilder](#)

The builder being used to construct the model for this context. Databases (and other extensions) typically define extension methods on this object that allow you to configure

aspects of the model that are specific to a given database.

## Remarks

If a model is explicitly set on the options for this context (via [UseModel\(IModel\)](#)) then this method will not be run. However, it will still run when creating a compiled model.

See [Modeling entity types and relationships](#) for more information and examples.

# Class Bootstrap

Namespace: [CICDTemplate.Infrastructure](#)

Assembly: CICDTemplate.Infrastructure.dll

```
public static class Bootstrap
```

## Inheritance

[object](#) ← Bootstrap

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Methods

### AddInfrastructure(IServiceCollection, IConfiguration)

```
public static IServiceCollection AddInfrastructure(this IServiceCollection services,  
IConfiguration configuration)
```

#### Parameters

services [IServiceCollection](#)

configuration [IConfiguration](#)

#### Returns

[IServiceCollection](#)

# Namespace CICDTemplate.Infrastructure. Caching

## Classes

[CacheOptions](#)

[CacheService](#)

# Class CacheOptions

Namespace: [CICDTemplate.Infrastructure.Caching](#)

Assembly: CICDTemplate.Infrastructure.dll

```
public static class CacheOptions
```

## Inheritance

[object](#) ← CacheOptions

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Properties

### DefaultExpiration

```
public static DistributedCacheEntryOptions DefaultExpiration { get; }
```

## Property Value

[DistributedCacheEntryOptions](#)

## Methods

### Create(TimeSpan?)

```
public static DistributedCacheEntryOptions Create(TimeSpan? expiration)
```

## Parameters

expiration [TimeSpan](#)?

Returns

[DistributedCacheEntryOptions](#)

# Class CacheService

Namespace: [CICDTemplate.Infrastructure.Caching](#)

Assembly: CICDTemplate.Infrastructure.dll

```
public sealed class CacheService : ICacheService
```

## Inheritance

[object](#) ← CacheService

## Implements

[ICacheService](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### CacheService(IDistributedCache)

```
public CacheService(IDistributedCache cache)
```

## Parameters

cache [IDistributedCache](#)

## Methods

### GetAsync<T>(string, CancellationToken)

```
public Task<T?> GetAsync<T>(string key, CancellationToken cancellationToken  
= default)
```

## Parameters

key [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)<T>

Type Parameters

T

## RemoveAsync(string, CancellationToken)

```
public Task RemoveAsync(string key, CancellationToken cancellationToken = default)
```

Parameters

key [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#)

## SetAsync<T>(string, T, TimeSpan?, CancellationToken)

```
public Task SetAsync<T>(string key, T value, TimeSpan? expiration, CancellationToken  
cancellationToken = default)
```

Parameters

key [string](#)

value T

expiration [TimeSpan](#)?

cancellationToken [CancellationToken](#)

Returns

[Task](#)

Type Parameters

T

# Namespace CICDTemplate.Infrastructure.Clock

## Classes

[DateTimeProvider](#)

# Class DateTimeProvider

Namespace: [CICDTemplate.Infrastructure.Clock](#)

Assembly: CICDTemplate.Infrastructure.dll

```
public sealed class DateTimeProvider : IDateTimeProvider
```

## Inheritance

[object](#) ← DateTimeProvider

## Implements

[IDateTimeProvider](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Now

Easy to mock

```
public DateTime Now { get; }
```

## Property Value

[DateTime](#)

# Namespace CICDTemplate.Infrastructure.Configurations

## Classes

[ProductConfiguration](#)

# Class ProductConfiguration

Namespace: [CICDTemplate.Infrastructure.Configurations](#)

Assembly: CICDTemplate.Infrastructure.dll

```
public sealed class ProductConfiguration : IEntityConfiguration<Product>
```

## Inheritance

[object](#) ← ProductConfiguration

## Implements

[IEntityTypeConfiguration](#)<[Product](#)>

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Methods

### Configure(EntityTypeBuilder<Product>)

Configures the entity of type [Product](#).

```
public void Configure(EntityTypeBuilder<Product> builder)
```

## Parameters

builder [EntityTypeBuilder](#)<[Product](#)>

The builder to be used to configure the entity type.

# Namespace CICDTemplate.Infrastructure.Migrations

## Classes

### [DbMigration](#)

A base class inherited by each EF Core migration.

# Class DbMigration

Namespace: [CICDTemplate.Infrastructure.Migrations](#)

Assembly: CICDTemplate.Infrastructure.dll

A base class inherited by each EF Core migration.

```
[DbContext(typeof(ApplicationDbContext))]
[Migration("20250507080435_DbMigration")]
public class DbMigration : Migration
```

## Inheritance

[object](#) ← [Migration](#) ← DbMigration

## Inherited Members

[Migration.InitialDatabase](#) , [Migration.TargetModel](#) , [Migration.UpOperations](#) ,  
[Migration.DownOperations](#) , [Migration.ActiveProvider](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Remarks

See [Database migrations](#) for more information and examples.

## Methods

### BuildTargetModel(ModelBuilder)

Implemented to build the [TargetModel](#).

```
protected override void BuildTargetModel(ModelBuilder modelBuilder)
```

## Parameters

**modelBuilder** [ModelBuilder](#)

The [ModelBuilder](#) to use to build the model.

## Remarks

See [Database migrations](#) for more information and examples.

## Down(MigrationBuilder)

Builds the operations that will migrate the database 'down'.

```
protected override void Down(MigrationBuilder migrationBuilder)
```

### Parameters

`migrationBuilder` [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

### Remarks

That is, builds the operations that will take the database from the state left in by this migration so that it returns to the state that it was in before this migration was applied.

This method must be overridden in each class that inherits from [Migration](#) if both 'up' and 'down' migrations are to be supported. If it is not overridden, then calling it will throw and it will not be possible to migrate in the 'down' direction.

See [Database migrations](#) for more information and examples.

## Up(MigrationBuilder)

Builds the operations that will migrate the database 'up'.

```
protected override void Up(MigrationBuilder migrationBuilder)
```

### Parameters

`migrationBuilder` [MigrationBuilder](#)

The [MigrationBuilder](#) that will build the operations.

### Remarks

That is, builds the operations that will take the database from the state left in by the previous migration so that it is up-to-date with regard to this migration.

This method must be overridden in each class that inherits from [Migration](#).

See [Database migrations](#) for more information and examples.

# Namespace CICDTemplate.Infrastructure.Repositories

## Classes

[ProductsRepository](#)

# Class ProductsRepository

Namespace: [CICDTemplate.Infrastructure.Repositories](#)

Assembly: CICDTemplate.Infrastructure.dll

```
public sealed class ProductsRepository : IProductsRepository
```

## Inheritance

[object](#) ← ProductsRepository

## Implements

[IProductsRepository](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### ProductsRepository(ApplicationDbContext)

```
public ProductsRepository(ApplicationDbContext dbContext)
```

## Parameters

dbContext [ApplicationDbContext](#)

## Methods

### CreateProductAsync(Product, CancellationToken)

Create product

```
public Task<Guid?> CreateProductAsync(Product product, CancellationToken  
cancellationToken = default)
```

Parameters

product [Product](#)

Product

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[Guid](#)?>

Product id

## GetProductsAsync(CancellationToken)

Get all products

```
public Task<IEnumerable<Product>> GetProductsAsync(CancellationToken  
cancellationToken = default)
```

Parameters

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[IEnumerable](#) <[Product](#)>>

Products

# Namespace CICDTemplate.Migration Service

## Classes

[Worker](#)

# Class Worker

Namespace: [CICDTemplate.MigrationService](#)

Assembly: CICDTemplate.MigrationService.dll

```
public class Worker : BackgroundService, IHostedService, IDisposable
```

## Inheritance

[object](#) ← [BackgroundService](#) ← Worker

## Implements

[IHostedService](#), [IDisposable](#)

## Inherited Members

[BackgroundService.Dispose\(\)](#), [BackgroundService.StartAsync\(CancellationToken\)](#),  
[BackgroundService.StopAsync\(CancellationToken\)](#), [BackgroundService.ExecuteTask](#),  
[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#),  
[object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#),  
[object.ToString\(\)](#)

## Constructors

### Worker(IServiceProvider, IHostApplicationLifetime)

```
public Worker(IServiceProvider serviceProvider, IHostApplicationLifetime  
hostApplicationLifetime)
```

## Parameters

serviceProvider [IServiceProvider](#)

hostApplicationLifetime [IHostApplicationLifetime](#)

## Fields

### ActivitySource

```
public static readonly ActivitySource ActivitySource
```

## Field Value

[ActivitySource](#)

## ActivitySourceName

```
public const string ActivitySourceName = "Migrations"
```

## Field Value

[string](#)

## Methods

### ExecuteAsync(CancellationToken)

This method is called when the [IHostedService](#) starts. The implementation should return a task that represents the lifetime of the long running operation(s) being performed.

```
protected override Task ExecuteAsync(CancellationToken stoppingToken)
```

#### Parameters

stoppingToken [CancellationToken](#)

Triggered when [StopAsync\(CancellationToken\)](#) is called.

#### Returns

[Task](#)

A [Task](#) that represents the long running operations.

#### Remarks

See [Worker Services in .NET](#) for implementation guidelines.



# Namespace CICDTemplate.ServiceDefaults

## Classes

[SupportExtensions](#)

# Class SupportExtensions

Namespace: [CICDTemplate.ServiceDefaults](#)

Assembly: CICDTemplate.ServiceDefaults.dll

```
public static class SupportExtensions
```

## Inheritance

[object](#) ← SupportExtensions

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Methods

### AddDefaultHealthChecks<TBuilder>(TBuilder)

```
public static TBuilder AddDefaultHealthChecks<TBuilder>(this TBuilder builder) where  
TBuilder : IHostApplicationBuilder
```

#### Parameters

builder TBuilder

#### Returns

TBuilder

#### Type Parameters

TBuilder

### AddServiceDefaults<TBuilder>(TBuilder)

```
public static TBuilder AddServiceDefaults<TBuilder>(this TBuilder builder) where  
TBuilder : IHostApplicationBuilder
```

## Parameters

builder TBuilder

## Returns

TBuilder

## Type Parameters

TBuilder

## ConfigureOpenTelemetry<TBuilder>(TBuilder)

```
public static TBuilder ConfigureOpenTelemetry<TBuilder>(this TBuilder builder) where  
TBuilder : IHostApplicationBuilder
```

## Parameters

builder TBuilder

## Returns

TBuilder

## Type Parameters

TBuilder

## MapDefaultEndpoints(WebApplication)

```
public static WebApplication MapDefaultEndpoints(this WebApplication app)
```

## Parameters

app [WebApplication](#) ↴

## Returns

[WebApplication](#) ↴

# Namespace Projects

## Classes

[CICDTemplate\\_Api](#)

[CICDTemplate\\_AppHost](#)

[CICDTemplate\\_MigrationService](#)

# Class CICDTemplate\_Api

Namespace: [Projects](#)

Assembly: CICDTemplate.AppHost.dll

```
public class CICDTemplate_Api : IProjectMetadata, IResourceAnnotation
```

## Inheritance

[object](#) ← CICDTemplate\_Api

## Implements

IProjectMetadata, IResourceAnnotation

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

# Properties

## ProjectPath

Gets the fully-qualified path to the project.

```
public string ProjectPath { get; }
```

## Property Value

[string](#)

# Class CICDTemplate\_AppHost

Namespace: [Projects](#)

Assembly: CICDTemplate.AppHost.dll

```
public class CICDTemplate_AppHost
```

## Inheritance

[object](#) ← CICDTemplate\_AppHost

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Properties

### ProjectPath

```
public static string ProjectPath { get; }
```

Property Value

[string](#)

# Class CICDTemplate\_MigrationService

Namespace: [Projects](#)

Assembly: CICDTemplate.AppHost.dll

```
public class CICDTemplate_MigrationService : IProjectMetadata, IResourceAnnotation
```

## Inheritance

[object](#) ← CICDTemplate\_MigrationService

## Implements

IProjectMetadata, IResourceAnnotation

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.ToString\(\)](#)

## Properties

### ProjectPath

Gets the fully-qualified path to the project.

```
public string ProjectPath { get; }
```

### Property Value

[string](#)