

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\(string, string\)](#) ,
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 [ControllerBase.BadRequest\(\)](#) , [ControllerBase.BadRequest\(object\)](#) ,
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
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 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
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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>>\[\] \)](#) ,
 [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\(string\)](#) ,
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[ControllerBase.RedirectToAction\(string, string\)](#) ,
[ControllerBase.RedirectToAction\(string, string, object\)](#) ,
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[ControllerBase.RedirectToActionPermanent\(string\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, object\)](#) ,
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[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\(string, object\)](#) ,
 [ControllerBase.RedirectToRoute\(string, string\)](#) ,
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 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
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 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
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 [ControllerBase.RedirectToPage\(string, string, object\)](#) ,
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 [ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,
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 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
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 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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 [ControllerBase.File\(Stream, string, string\)](#) ,
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 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,

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 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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 [ControllerBase.NotFound\(\)](#) , [ControllerBase.NotFound\(object\)](#) ,
 [ControllerBase.BadRequest\(\)](#) , [ControllerBase.BadRequest\(object\)](#) ,
 [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,
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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>\(TModel, string, IValueProvider\)](#) ,
 [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>>\[\] \)](#) ,
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 [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\(string, string, object, string\)](#) ,
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 [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>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
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 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
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 [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\(string\)](#) ,
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[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\(string\)](#) ,
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[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#) ,
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[ControllerBase.RedirectToAction\(string, object\)](#) ,
[ControllerBase.RedirectToAction\(string, string\)](#) ,
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[ControllerBase.RedirectToAction\(string, string, object, string\)](#) ,
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[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#) ,
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#) ,
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#) ,
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 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,
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 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
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 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,
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 [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
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 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,
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 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
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 [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>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
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 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,
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 [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

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\(int, object\)](#) ,
[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\(string\)](#) ,
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 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,
 [ControllerBase.ValidationProblem\(\)](#) ,
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 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,
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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\(string, string, Encoding\)](#) ,
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#) , [ControllerBase.NoContent\(\)](#) ,
[ControllerBase.Ok\(\)](#) , [ControllerBase.Ok\(object\)](#) , [ControllerBase.Redirect\(string\)](#) ,
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 [ControllerBase.RedirectToRoutePermanent\(object\)](#) ,
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 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,
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 [ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,
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 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
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 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,
 [ControllerBase.Unauthorized\(\)](#) , [ControllerBase.Unauthorized\(object\)](#) ,
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 [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](#)