Namespace MicroPlumberd

Classes

AggregateAttribute

AggregateBase<TState>

EventHandlerAttribute

EventStoreProjectionManagementClientExtensions

InvocationContext

InvocationScope

MetadataExtensions

OutputStreamAttribute

Plumber

Structs

Metadata

Interfaces

IAggregate

IAggregate<TSelf>

IConventions

IObjectSerializer

IPlumber

Root interface for plumber

IProjectionRegister

IReadModel

ISubscriptionRunner

ISubscriptionSet

ITypeRegister

Enums

StandardMetadataEnricherTypes

Delegates

EventIdConvention

EventNameConvention

GroupNameModelConvention

MetadataConvention

OutputStreamModelConvention

SteamNameConvention

Class AggregateAttribute

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
[AttributeUsage(AttributeTargets.Class)]
public class AggregateAttribute : Attribute
```

Inheritance

object ← Attribute ← AggregateAttribute

Inherited Members

Attribute.Equals(object) , Attribute.GetCustomAttribute(Assembly, Type) ,
Attribute.GetCustomAttribute(Assembly, Type, bool) ,
Attribute.GetCustomAttribute(MemberInfo, Type) ,
Attribute.GetCustomAttribute(MemberInfo, Type, bool) ,
Attribute.GetCustomAttribute(Module, Type) , Attribute.GetCustomAttribute(Module, Type, bool) ,
Attribute.GetCustomAttribute(ParameterInfo, Type) ,
Attribute.GetCustomAttribute(ParameterInfo, Type, bool) , Attribute.GetCustomAttributes(Assembly) ,
Attribute.GetCustomAttributes(Assembly, bool) , Attribute.GetCustomAttributes(Assembly, Type) ,
Attribute.GetCustomAttributes(Assembly, Type, bool) , Attribute.GetCustomAttributes(MemberInfo) ,
Attribute.GetCustomAttributes(MemberInfo, bool) ,
Attribute.GetCustomAttributes(MemberInfo, Type) ,
Attribute.GetCustomAttributes(MemberInfo, Type, bool) , Attribute.GetCustomAttributes(Module) ,
Attribute.GetCustomAttributes(Module, bool) , Attribute.GetCustomAttributes(Module, Type) ,
Attribute.GetCustomAttributes(Module, Type, bool) , Attribute.GetCustomAttributes(ParameterInfo) ,
Attribute.GetCustomAttributes(ParameterInfo, bool) ,
Attribute.GetCustomAttributes(ParameterInfo, Type) ,
Attribute.GetCustomAttributes(ParameterInfo, Type, bool) , Attribute.GetHashCode() ,
Attribute.IsDefaultAttribute() , Attribute.IsDefined(Assembly, Type) ,
Attribute.IsDefined(Assembly, Type, bool) , Attribute.IsDefined(MemberInfo, Type) ,
Attribute.IsDefined(MemberInfo, Type, bool) , Attribute.IsDefined(Module, Type) ,
Attribute.IsDefined(Module, Type, bool) , Attribute.IsDefined(ParameterInfo, Type) ,
Attribute.IsDefined(ParameterInfo, Type, bool) , Attribute.Match(object) , Attribute.TypeId ,
object.Equals(object, object) , object.GetType() , object.MemberwiseClone() ,
object.ReferenceEquals(object, object) , object.ToString()

Class AggregateBase<TState>

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public abstract class AggregateBase<TState> where TState : new()
```

Type Parameters

`TState`

Inheritance

object ← AggregateBase<TState>

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Constructors

AggregateBase(Guid)

```
protected AggregateBase(Guid id)
```

Parameters

`id` Guid

Properties

Age

```
public long Age { get; }
```

Property Value

long

Id

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

Property Value

Guid

PendingEvents

```
public IReadOnlyList<object> PendingEvents { get; }
```

Property Value

IReadOnlyList<object>

State

```
protected TState State { get; }
```

Property Value

TState

Methods

AckCommitted()

```
public void AckCommitted()
```

AppendPendingChange(object)

```
protected void AppendPendingChange(object ev)
```

Parameters

`ev` object

Given(TState, object)

```
protected abstract TState Given(TState state, object ev)
```

Parameters

`state` TState

`ev` object

Returns

TState

Rehydrate(IAsyncEnumerable<object>)

```
public Task Rehydrate(IAsyncEnumerable<object> events)
```

Parameters

`events` IAsyncEnumerable<object>

Returns

Task

Class EventHandlerAttribute

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
[AttributeUsage(AttributeTargets.Class)]
public class EventHandlerAttribute : Attribute
```

Inheritance

object ← Attribute ← EventHandlerAttribute

Inherited Members

Attribute.Equals(object) , Attribute.GetCustomAttribute(Assembly, Type) ,
Attribute.GetCustomAttribute(Assembly, Type, bool) ,
Attribute.GetCustomAttribute(MemberInfo, Type) ,
Attribute.GetCustomAttribute(MemberInfo, Type, bool) ,
Attribute.GetCustomAttribute(Module, Type) , Attribute.GetCustomAttribute(Module, Type, bool) ,
Attribute.GetCustomAttribute(ParameterInfo, Type) ,
Attribute.GetCustomAttribute(ParameterInfo, Type, bool) , Attribute.GetCustomAttributes(Assembly) ,
Attribute.GetCustomAttributes(Assembly, bool) , Attribute.GetCustomAttributes(Assembly, Type) ,
Attribute.GetCustomAttributes(Assembly, Type, bool) , Attribute.GetCustomAttributes(MemberInfo) ,
Attribute.GetCustomAttributes(MemberInfo, bool) ,
Attribute.GetCustomAttributes(MemberInfo, Type) ,
Attribute.GetCustomAttributes(MemberInfo, Type, bool) , Attribute.GetCustomAttributes(Module) ,
Attribute.GetCustomAttributes(Module, bool) , Attribute.GetCustomAttributes(Module, Type) ,
Attribute.GetCustomAttributes(Module, Type, bool) , Attribute.GetCustomAttributes(ParameterInfo) ,
Attribute.GetCustomAttributes(ParameterInfo, bool) ,
Attribute.GetCustomAttributes(ParameterInfo, Type) ,
Attribute.GetCustomAttributes(ParameterInfo, Type, bool) , Attribute.GetHashCode() ,
Attribute.IsDefaultAttribute() , Attribute.IsDefined(Assembly, Type) ,
Attribute.IsDefined(Assembly, Type, bool) , Attribute.IsDefined(MemberInfo, Type) ,
Attribute.IsDefined(MemberInfo, Type, bool) , Attribute.IsDefined(Module, Type) ,
Attribute.IsDefined(Module, Type, bool) , Attribute.IsDefined(ParameterInfo, Type) ,
Attribute.IsDefined(ParameterInfo, Type, bool) , Attribute.Match(object) , Attribute.TypeId ,
object.Equals(object, object) , object.GetType() , object.MemberwiseClone() ,
object.ReferenceEquals(object, object) , object.ToString()

Delegate EventIdConvention

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public delegate Uuid EventIdConvention(IAggregate? aggregator, object evt)
```

Parameters

`aggregator` IAggregate

`evt` object

Returns

Uuid

Delegate EventNameConvention

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public delegate string EventNameConvention(IAggregate? aggregate, object evt)
```

Parameters

aggregate IAggregate

evt object

Returns

string

Class EventStoreProjectionManagementClientExtensions

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public static class EventStoreProjectionManagementClientExtensions
```

Inheritance

object ← EventStoreProjectionManagementClientExtensions

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Methods

EnsureJoinProjection(EventStoreProjectionManagementClient, string, IProjectionRegister, IEnumerable<string>)

```
public static Task EnsureJoinProjection(this EventStoreProjectionManagementClient client,
string outputStream, IProjectionRegister register, IEnumerable<string> eventTypes)
```

Parameters

`client` EventStoreProjectionManagementClient

`outputStream` string

`register` IProjectionRegister

`eventTypes` IEnumerable<string>

Returns

Task

EnsureJoinProjection(EventStoreProjectionManagementClient, string, IEnumerable<string>)

```
public static Task EnsureJoinProjection(this EventStoreProjectionManagementClient client,
string outputStream, IEnumerable<string> eventTypes)
```

Parameters

`client` EventStoreProjectionManagementClient

`outputStream` string

`eventTypes` IEnumerable<string>

Returns

Task

Delegate GroupNameModelConvention

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public delegate string GroupNameModelConvention(Type model)
```

Parameters

`model` Type

Returns

string

Interface IAggregate

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public interface IAggregate
```

Properties

Age

```
long Age { get; }
```

Property Value

long

Id

```
Guid Id { get; }
```

Property Value

Guid

PendingEvents

```
IReadOnlyList<object> PendingEvents { get; }
```

Property Value

IReadOnlyList<object>

Methods

AckCommitted()

```
void AckCommitted()
```

Rehydrate(IAsyncEnumerable<object>)

```
Task Rehydrate(IAsyncEnumerable<object> events)
```

Parameters

`events` IAsyncEnumerable<object>

Returns

Task

Interface IAggregate<TSelf>

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public interface IAggregate<out TSelf> : IAggregate
```

Type Parameters

`TSelf`

Inherited Members
IAggregate.Id , IAggregate.Age , IAggregate.PendingEvents , IAggregate.Rehydrate(IAsyncEnumerable<object>) , IAggregate.AckCommitted()

Methods

New(Guid)

```
public static abstract TSelf New(Guid id)
```

Parameters

`id` Guid

Returns

TSelf

Interface IConventions

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public interface IConventions
```

Properties

GetEventIdConvention

```
EventIdConvention GetEventIdConvention { get; set; }
```

Property Value

EventIdConvention

GetEventNameConvention

```
EventNameConvention GetEventNameConvention { get; set; }
```

Property Value

EventNameConvention

GetStreamIdConvention

```
SteamNameConvention GetStreamIdConvention { get; set; }
```

Property Value

SteamNameConvention

GroupNameModelConvention

```
GroupNameModelConvention GroupNameModelConvention { get; set; }
```

Property Value

GroupNameModelConvention

MetadataEnrichers

```
MetadataConvention? MetadataEnrichers { get; set; }
```

Property Value

MetadataConvention

OutputStreamModelConvention

```
OutputStreamModelConvention OutputStreamModelConvention { get; set; }
```

Property Value

OutputStreamModelConvention

Methods

GetMetadata(IAggregate?, object, object?)

```
object GetMetadata(IAggregate? aggregate, object evt, object? metadata)
```

Parameters

`aggregate` IAggregate

`evt` object

`metadata` object

Returns

object

Interface IObjectSerializer

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public interface IObjectSerializer
```

Methods

Deserialize(ReadOnlySpan<byte>, Type)

```
object? Deserialize(ReadOnlySpan<byte> span, Type t)
```

Parameters

`span` ReadOnlySpan<byte>

`t` Type

Returns

object

Parse(ReadOnlySpan<byte>)

```
JsonElement Parse(ReadOnlySpan<byte> span)
```

Parameters

`span` ReadOnlySpan<byte>

Returns

JsonElement

SerializeToUtf8Bytes(object?)

```
byte[] SerializeToUtf8Bytes(object? t)
```

Parameters

`t` object

Returns

byte[]

Interface IPlumber

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

Root interface for plumber

```
public interface IPlumber
```

Methods

AppendEvents(string, StreamRevision, IEnumerable<object>, object?)

Appends event to a stream, uses relevant convention, however aggregate-type or instance are passed as null to conventions.

```
Task AppendEvents(string streamId, StreamRevision rev, IEnumerable<object> events, object?
metadata = null)
```

Parameters

`streamId` string

`rev` StreamRevision

`events` IEnumerable<object>

`metadata` object

Returns

Task

AppendEvents(string, StreamState, IEnumerable<object>, object?)

```
Task AppendEvents(string streamId, StreamState state, IEnumerable<object> events, object?
metadata = null)
```

Parameters

`streamId` string

`state` StreamState

`events` IEnumerable<object>

`metadata` object

Returns

Task

Get<T>(Guid)

```
Task<T> Get<T>(Guid id) where T : IAggregate<T>, ITypeRegister
```

Parameters

`id` Guid

Returns

Task<T>

Type Parameters

`T`

SaveChanges<T>(T, object?)

```
Task SaveChanges<T>(T aggregate, object? metadata = null) where T : IAggregate<T>
```

Parameters

`aggregate` T

`metadata` object

Returns

Task

Type Parameters

`T`

SaveNew<T>(T, object?)

```
Task SaveNew<T>(T aggregate, object? metadata = null) where T : IAggregate<T>
```

Parameters

`aggregate` T

`metadata` object

Returns

Task

Type Parameters

`T`

Subscribe(string, FromStream, UserCredentials?, CancellationToken)

```
ISubscriptionRunner Subscribe(string streamName, FromStream start, UserCredentials?
userCredentials = null, CancellationToken cancellationToken = default)
```

Parameters

`streamName` string

`start` FromStream

`userCredentials` UserCredentials

`cancellationToken` CancellationToken

Returns

ISubscriptionRunner

SubscribeModelPersistently<TModel>(TModel)

```
Task<IAsyncDisposable> SubscribeModelPersistently<TModel>(TModel model) where TModel :
IReadModel, ITypeRegister
```

Parameters

`model` TModel

Returns

Task<IAsyncDisposable>

Type Parameters

`TModel`

SubscribeModel<TModel>(TModel, FromStream?)

```
Task<IAsyncDisposable> SubscribeModel<TModel>(TModel model, FromStream? start = null) where
TModel : IReadModel, ITypeRegister
```

Parameters

`model` TModel

`start` FromStream?

Returns

Task<IAsyncDisposable>

Type Parameters

`TModel`

SubscribePersistently(string, string, int, UserCredentials?, CancellationToken)

```
ISubscriptionRunner SubscribePersistently(string streamName, string groupName, int
bufferSize = 10, UserCredentials? userCredentials = null, CancellationToken
cancellationToken = default)
```

Parameters

`streamName` string

`groupName` string

`bufferSize` int

`userCredentials` UserCredentials

`cancellationToken` CancellationToken

Returns

ISubscriptionRunner

SubscribeSet()

```
ISubscriptionSet SubscribeSet()
```

Returns

ISubscriptionSet

Interface IProjectionRegister

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public interface IProjectionRegister
```

Methods

Get(string)

```
Task<ProjectionDetails?> Get(string name)
```

Parameters

`name` string

Returns

Task<ProjectionDetails>

Interface IReadModel

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public interface IReadModel
```

Methods

Given(Metadata, object)

```
Task Given(Metadata m, object ev)
```

Parameters

`m` Metadata

`ev` object

Returns

Task

Interface ISubscriptionRunner

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public interface ISubscriptionRunner : IAsyncDisposable
```

Inherited Members
IAsyncDisposable.DisposeAsync()

Methods

WithModel<T>(T)

```
Task WithModel<T>(T model) where T : IReadModel, ITypeRegister
```

Parameters

`model` T

Returns

Task

Type Parameters

`T`

Interface ISubscriptionSet

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public interface ISubscriptionSet
```

Methods

SubscribeAsync(string, FromStream)

```
Task SubscribeAsync(string name, FromStream start)
```

Parameters

`name` string

`start` FromStream

Returns

Task

SubscribePersistentlyAsync(string, string?)

```
Task SubscribePersistentlyAsync(string outputStream, string? groupName = null)
```

Parameters

`outputStream` string

`groupName` string

Returns

Task

With<TModel>(TModel)

```
ISubscriptionSet With<TModel>(TModel model) where TModel : IReadModel, ITypeRegister
```

Parameters

`model` TModel

Returns

ISubscriptionSet

Type Parameters

`TModel`

Interface ITypeRegister

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public interface ITypeRegister
```

Properties

TypeRegister

```
public static abstract IDictionary<string, Type> TypeRegister { get; }
```

Property Value

IDictionary <string, Type>

Class InvocationContext

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public class InvocationContext
```

Inheritance

object ← InvocationContext

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Properties

Current

```
public static InvocationContext Current { get; }
```

Property Value

InvocationContext

Value

```
public dynamic Value { get; }
```

Property Value

dynamic

Methods

Clear()

```
public void Clear()
```

ClearCorrelation()

```
public void ClearCorrelation()
```

ContainsProperty(string)

```
public bool ContainsProperty(string propertyName)
```

Parameters

`propertyName` string

Returns

bool

Set(string, object)

```
public InvocationContext Set(string key, object value)
```

Parameters

`key` string

`value` object

Returns

InvocationContext

SetCausation(Guid)

```
public InvocationContext SetCausation(Guid causationId)
```

Parameters

`causationId` Guid

Returns

InvocationContext

SetCorrelation(Guid)

```
public InvocationContext SetCorrelation(Guid correlationId)
```

Parameters

`correlationId` Guid

Returns

InvocationContext

SetUserId(Guid)

```
public InvocationContext SetUserId(Guid userId)
```

Parameters

`userId` Guid

Returns

InvocationContext

Class InvocationScope

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public class InvocationScope : IDisposable
```

Inheritance

object ← InvocationScope

Implements

IDisposable

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Properties

Context

```
public InvocationContext Context { get; }
```

Property Value

InvocationContext

Methods

ContainsProperty(string)

```
public bool ContainsProperty(string propertyName)
```

Parameters

`propertyName` string

Returns

bool

Dispose()

Performs application-defined tasks associated with freeing, releasing, or resetting unmanaged resources.

```
public void Dispose()
```

Set(string, object)

```
public InvocationContext Set(string key, object value)
```

Parameters

`key` string

`value` object

Returns

InvocationContext

SetCausation(Guid)

```
public InvocationContext SetCausation(Guid causationId)
```

Parameters

`causationId` Guid

Returns

InvocationContext

SetCorrelation(Guid)

```
public InvocationContext SetCorrelation(Guid correlationId)
```

Parameters

`correlationId` Guid

Returns

InvocationContext

SetUserId(Guid)

```
public InvocationContext SetUserId(Guid userId)
```

Parameters

`userId` Guid

Returns

InvocationContext

Struct Metadata

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public readonly struct Metadata
```

Inherited Members
ValueType.Equals(object) , ValueType.GetHashCode() , ValueType.ToString() , object.Equals(object, object) , object.GetType() , object.ReferenceEquals(object, object)

Extension Methods
MetadataExtensions.CorrelationId(Metadata)

Constructors

Metadata(Guid, JsonElement)

```
public Metadata(Guid id, JsonElement data)
```

Parameters

`id` Guid

`data` JsonElement

Properties

Data

```
public JsonElement Data { get; }
```

Property Value

JsonElement

Id

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

Property Value

Guid

Delegate MetadataConvention

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public delegate void MetadataConvention(dynamic metadata, IAggregate? aggregate, object evt)
```

Parameters

`metadata` dynamic

`aggregate` IAggregate

`evt` object

Class MetadataExtensions

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public static class MetadataExtensions
```

Inheritance

object ← MetadataExtensions

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Methods

CorrelationId(Metadata)

```
public static Guid? CorrelationId(this Metadata m)
```

Parameters

`m` Metadata

Returns

Guid?

Class OutputStreamAttribute

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
[AttributeUsage(AttributeTargets.Class)]
public class OutputStreamAttribute : Attribute
```

Inheritance

object ← Attribute ← OutputStreamAttribute

Inherited Members

Attribute.Equals(object) , Attribute.GetCustomAttribute(Assembly, Type) ,
Attribute.GetCustomAttribute(Assembly, Type, bool) ,
Attribute.GetCustomAttribute(MemberInfo, Type) ,
Attribute.GetCustomAttribute(MemberInfo, Type, bool) ,
Attribute.GetCustomAttribute(Module, Type) , Attribute.GetCustomAttribute(Module, Type, bool) ,
Attribute.GetCustomAttribute(ParameterInfo, Type) ,
Attribute.GetCustomAttribute(ParameterInfo, Type, bool) , Attribute.GetCustomAttributes(Assembly) ,
Attribute.GetCustomAttributes(Assembly, bool) , Attribute.GetCustomAttributes(Assembly, Type) ,
Attribute.GetCustomAttributes(Assembly, Type, bool) , Attribute.GetCustomAttributes(MemberInfo) ,
Attribute.GetCustomAttributes(MemberInfo, bool) ,
Attribute.GetCustomAttributes(MemberInfo, Type) ,
Attribute.GetCustomAttributes(MemberInfo, Type, bool) , Attribute.GetCustomAttributes(Module) ,
Attribute.GetCustomAttributes(Module, bool) , Attribute.GetCustomAttributes(Module, Type) ,
Attribute.GetCustomAttributes(Module, Type, bool) , Attribute.GetCustomAttributes(ParameterInfo) ,
Attribute.GetCustomAttributes(ParameterInfo, bool) ,
Attribute.GetCustomAttributes(ParameterInfo, Type) ,
Attribute.GetCustomAttributes(ParameterInfo, Type, bool) , Attribute.GetHashCode() ,
Attribute.IsDefaultAttribute() , Attribute.IsDefined(Assembly, Type) ,
Attribute.IsDefined(Assembly, Type, bool) , Attribute.IsDefined(MemberInfo, Type) ,
Attribute.IsDefined(MemberInfo, Type, bool) , Attribute.IsDefined(Module, Type) ,
Attribute.IsDefined(Module, Type, bool) , Attribute.IsDefined(ParameterInfo, Type) ,
Attribute.IsDefined(ParameterInfo, Type, bool) , Attribute.Match(object) , Attribute.TypeId ,
object.Equals(object, object) , object.GetType() , object.MemberwiseClone() ,
object.ReferenceEquals(object, object) , object.ToString()

Constructors

OutputStreamAttribute(string)

```
public OutputStreamAttribute(string outputStreamName)
```

Parameters

`outputStreamName` string

Properties

OutputStreamName

```
public string OutputStreamName { get; }
```

Property Value

string

Delegate OutputStreamModelConvention

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public delegate string OutputStreamModelConvention(Type model)
```

Parameters

`model` Type

Returns

string

Class Plumber

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public class Plumber : IPlumber
```

Inheritance

object ← Plumber

Implements

IPlumber

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Constructors

Plumber(EventStoreClientSettings)

```
public Plumber(EventStoreClientSettings settings)
```

Parameters

`settings` EventStoreClientSettings

Properties

Client

```
public EventStoreClient Client { get; }
```

Property Value

EventStoreClient

Conventions

```
public IConventions Conventions { get; }
```

Property Value

IConventions

PersistentSubscriptionClient

```
public EventStorePersistentSubscriptionsClient PersistentSubscriptionClient { get; }
```

Property Value

EventStorePersistentSubscriptionsClient

ProjectionManagementClient

```
public EventStoreProjectionManagementClient ProjectionManagementClient { get; }
```

Property Value

EventStoreProjectionManagementClient

ProjectionRegister

```
public IProjectionRegister ProjectionRegister { get; }
```

Property Value

IProjectionRegister

Serializer

```
public IObjectSerializer Serializer { get; set; }
```

Property Value

IObjectSerializer

Methods

AppendEvents(string, StreamRevision, IEnumerable<object>, object?)

Appends event to a stream, uses relevant convention, however aggregate-type or instance are passed as null to conventions.

```
public Task AppendEvents(string streamId, StreamRevision rev, IEnumerable<object> events,
object? metadata = null)
```

Parameters

`streamId` string

`rev` StreamRevision

`events` IEnumerable<object>

`metadata` object

Returns

Task

AppendEvents(string, StreamState, IEnumerable<object>, object?)

```
public Task AppendEvents(string streamId, StreamState state, IEnumerable<object> events,
```

```
    object? metadata = null)
```

Parameters

streamId string

state StreamState

events IEnumerable<object>

metadata object

Returns

Task

Get<T>(Guid)

```
public Task<T> Get<T>(Guid id) where T : IAggregate<T>, ITypeRegister
```

Parameters

id Guid

Returns

Task<T>

Type Parameters

T

SaveChanges<T>(T, object?)

```
public Task SaveChanges<T>(T aggregate, object? metadata = null) where T : IAggregate<T>
```

Parameters

`aggregate` T

`metadata` object

Returns

Task

Type Parameters

`T`

SaveNew<T>(T, object?)

```
public Task SaveNew<T>(T aggregate, object? metadata = null) where T : IAggregate<T>
```

Parameters

`aggregate` T

`metadata` object

Returns

Task

Type Parameters

`T`

Subscribe(string, FromStream, UserCredentials?, CancellationToken)

```
public ISubscriptionRunner Subscribe(string streamName, FromStream start, UserCredentials?
userCredentials = null, CancellationToken cancellationToken = default)
```

Parameters

`streamName` string

`start` FromStream

`userCredentials` UserCredentials

`cancellationToken` CancellationToken

Returns

ISubscriptionRunner

SubscribeModelPersistently<TModel>(TModel)

```
public Task<IAsyncDisposable> SubscribeModelPersistently<TModel>(TModel model) where TModel
: IReadModel, ITypeRegister
```

Parameters

`model` TModel

Returns

Task<IAsyncDisposable>

Type Parameters

`TModel`

SubscribeModel<TModel>(TModel, FromStream?)

```
public Task<IAsyncDisposable> SubscribeModel<TModel>(TModel model, FromStream? start = null)
where TModel : IReadModel, ITypeRegister
```

Parameters

`model` TModel

`start` FromStream?

Returns

Task<IAsyncDisposable>

Type Parameters

`TModel`

SubscribePersistently(string, string, int, UserCredentials?, CancellationToken)

```
public ISubscriptionRunner SubscribePersistently(string streamName, string groupName, int
bufferSize = 10, UserCredentials? userCredentials = null, CancellationToken
cancellationToken = default)
```

Parameters

`streamName` string

`groupName` string

`bufferSize` int

`userCredentials` UserCredentials

`cancellationToken` CancellationToken

Returns

ISubscriptionRunner

SubscribeSet()

```
public ISubscriptionSet SubscribeSet()
```

Returns

ISubscriptionSet

Enum StandardMetadataEnricherTypes

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
[Flags]
public enum StandardMetadataEnricherTypes
```

Fields

`All = Created | InvocationContext`

`Created = 1`

`InvocationContext = 2`

Delegate SteamNameConvention

Namespace: MicroPlumberd

Assembly: MicroPlumberd.dll

```
public delegate string SteamNameConvention(Type aggregateType, Guid aggregateId)
```

Parameters

`aggregateType` Type

`aggregateId` Guid

Returns

string

Namespace MicroPlumberd.DirectConnect

Classes

CommandEnvelope<TCommand>

CommandHandlerAttribute

ContainerExtensions

HandlerOperationStatus

RequestInvokerExtensions

ReturnsAttribute

ReturnsAttribute<TResult>

ThrowsFaultExceptionAttribute

ThrowsFaultExceptionAttribute<TMessage>

Interfaces

IApiTypeRegister

ICommand

ICommandHandler<TCommand>

Class CommandEnvelope<TCommand>

Namespace: MicroPlumberd.DirectConnect

Assembly: MicroPlumberd.DirectConnect.dll

```
[ProtoContract]
public record CommandEnvelope<TCommand> : IEquatable<CommandEnvelope<TCommand>> where
TCommand : ICommand
```

Type Parameters

TCommand

Inheritance

object ← CommandEnvelope<TCommand>

Implements

IEquatable<CommandEnvelope<TCommand>>

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Properties

Command

```
[ProtoMember(2)]
public required TCommand Command { get; init; }
```

Property Value

TCommand

StreamId

```
[ProtoMember(1)]
public Guid StreamId { get; init; }
```

Property Value

Guid

Class CommandHandlerAttribute

Namespace: MicroPlumberd.DirectConnect

Assembly: MicroPlumberd.DirectConnect.dll

```
[AttributeUsage(AttributeTargets.Class)]
public class CommandHandlerAttribute : Attribute
```

Inheritance

object ← Attribute ← CommandHandlerAttribute

Inherited Members

Attribute.Equals(object) , Attribute.GetCustomAttribute(Assembly, Type) ,
Attribute.GetCustomAttribute(Assembly, Type, bool) ,
Attribute.GetCustomAttribute(MemberInfo, Type) ,
Attribute.GetCustomAttribute(MemberInfo, Type, bool) ,
Attribute.GetCustomAttribute(Module, Type) , Attribute.GetCustomAttribute(Module, Type, bool) ,
Attribute.GetCustomAttribute(ParameterInfo, Type) ,
Attribute.GetCustomAttribute(ParameterInfo, Type, bool) , Attribute.GetCustomAttributes(Assembly) ,
Attribute.GetCustomAttributes(Assembly, bool) , Attribute.GetCustomAttributes(Assembly, Type) ,
Attribute.GetCustomAttributes(Assembly, Type, bool) , Attribute.GetCustomAttributes(MemberInfo) ,
Attribute.GetCustomAttributes(MemberInfo, bool) ,
Attribute.GetCustomAttributes(MemberInfo, Type) ,
Attribute.GetCustomAttributes(MemberInfo, Type, bool) , Attribute.GetCustomAttributes(Module) ,
Attribute.GetCustomAttributes(Module, bool) , Attribute.GetCustomAttributes(Module, Type) ,
Attribute.GetCustomAttributes(Module, Type, bool) , Attribute.GetCustomAttributes(ParameterInfo) ,
Attribute.GetCustomAttributes(ParameterInfo, bool) ,
Attribute.GetCustomAttributes(ParameterInfo, Type) ,
Attribute.GetCustomAttributes(ParameterInfo, Type, bool) , Attribute.GetHashCode() ,
Attribute.IsDefaultAttribute() , Attribute.IsDefined(Assembly, Type) ,
Attribute.IsDefined(Assembly, Type, bool) , Attribute.IsDefined(MemberInfo, Type) ,
Attribute.IsDefined(MemberInfo, Type, bool) , Attribute.IsDefined(Module, Type) ,
Attribute.IsDefined(Module, Type, bool) , Attribute.IsDefined(ParameterInfo, Type) ,
Attribute.IsDefined(ParameterInfo, Type, bool) , Attribute.Match(object) , Attribute.TypeId ,
object.Equals(object, object) , object.GetType() , object.MemberwiseClone() ,
object.ReferenceEquals(object, object) , object.ToString()

Class ContainerExtensions

Namespace: MicroPlumberd.DirectConnect

Assembly: MicroPlumberd.DirectConnect.dll

```
public static class ContainerExtensions
```

Inheritance

object ← ContainerExtensions

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Methods

AddCommandHandler<TCommandHandler>(IServiceCollection)

```
public static IServiceCollection AddCommandHandler<TCommandHandler>(this IServiceCollection
services) where TCommandHandler : IApiTypeRegister
```

Parameters

`services` IServiceCollection

Returns

IServiceCollection

Type Parameters

`TCommandHandler`

AddCommandInvoker(IServiceCollection, Type)

```
public static IServiceCollection AddCommandInvoker(this IServiceCollection services,
Type commandType)
```

Parameters

`services` IServiceCollection

`commandType` Type

Returns

IServiceCollection

AddCommandInvoker<TCommand>(IServiceCollection)

```
public static IServiceCollection AddCommandInvoker<TCommand>(this IServiceCollection
services) where TCommand : ICommand
```

Parameters

`services` IServiceCollection

Returns

IServiceCollection

Type Parameters

`TCommand`

AddCommandInvokers(IServiceCollection)

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

Parameters

`services` IServiceCollection

Returns

IServiceCollection

AddCommandInvokers(IServiceCollection, IEnumerable<Type>)

```
public static IServiceCollection AddCommandInvokers(this IServiceCollection services,
IEnumerable<Type> commandTypes)
```

Parameters

`services` IServiceCollection

`commandTypes` IEnumerable<Type>

Returns

IServiceCollection

AddCommandInvokers(IServiceCollection, params Type[])

```
public static IServiceCollection AddCommandInvokers(this IServiceCollection services, params
Type[] commandTypes)
```

Parameters

`services` IServiceCollection

`commandTypes` Type[]

Returns

IServiceCollection

Class HandlerOperationStatus

Namespace: MicroPlumberd.DirectConnect

Assembly: MicroPlumberd.DirectConnect.dll

```
[ProtoContract]
public class HandlerOperationStatus
```

Inheritance

object ← HandlerOperationStatus

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Properties

Code

```
[ProtoMember(1)]
public HttpStatusCode Code { get; init; }
```

Property Value

HttpStatusCode

Methods

Ok()

```
public static HandlerOperationStatus Ok()
```

Returns

HandlerOperationStatus

Interface IApiTypeRegister

Namespace: MicroPlumberd.DirectConnect

Assembly: MicroPlumberd.DirectConnect.dll

```
public interface IApiTypeRegister
```

Properties

CommandTypes

```
public static abstract IEnumerable<Type> CommandTypes { get; }
```

Property Value

IEnumerable<Type>

FaultTypes

```
public static abstract IEnumerable<Type> FaultTypes { get; }
```

Property Value

IEnumerable<Type>

ReturnTypes

```
public static abstract IEnumerable<Type> ReturnTypes { get; }
```

Property Value

IEnumerable<Type>

Methods

RegisterHandlers(IServiceCollection)

```
public static abstract IServiceCollection RegisterHandlers(IServiceCollection services)
```

Parameters

`services` IServiceCollection

Returns

IServiceCollection

Interface ICommand

Namespace: MicroPlumberd.DirectConnect

Assembly: MicroPlumberd.DirectConnect.dll

```
public interface ICommand
```

Properties

Id

```
Guid Id { get; }
```

Property Value

Guid

Interface ICommandHandler<TCommand>

Namespace: MicroPlumberd.DirectConnect

Assembly: MicroPlumberd.DirectConnect.dll

```
public interface ICommandHandler<in TCommand> where TCommand : ICommand
```

Type Parameters

`TCommand`

Methods

Execute(Guid, TCommand)

```
Task<object> Execute(Guid id, TCommand command)
```

Parameters

`id` Guid

`command` TCommand

Returns

Task<object>

Class RequestInvokerExtensions

Namespace: MicroPlumberd.DirectConnect

Assembly: MicroPlumberd.DirectConnect.dll

```
public static class RequestInvokerExtensions
```

Inheritance

object ← RequestInvokerExtensions

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Methods

Execute(IRequestInvoker, Guid, ICommand)

```
public static Task Execute(this IRequestInvoker ri, Guid id, ICommand c)
```

Parameters

`ri` IRequestInvoker

`id` Guid

`c` ICommand

Returns

Task

Execute<TResponse>(IRequestInvoker, Guid, ICommand)

```
public static Task<TResponse> Execute<TResponse>(this IRequestInvoker ri, Guid id,
ICommand c)
```

Parameters

`ri` IRequestInvoker

`id` Guid

`c` ICommand

Returns

Task<TResponse>

Type Parameters

`TResponse`

Class ReturnsAttribute

Namespace: MicroPlumberd.DirectConnect

Assembly: MicroPlumberd.DirectConnect.dll

```
public abstract class ReturnsAttribute : Attribute
```

Inheritance

object ← Attribute ← ReturnsAttribute

Derived

ReturnsAttribute<TResult>

Inherited Members

Attribute.Equals(object) , Attribute.GetCustomAttribute(Assembly, Type) ,
Attribute.GetCustomAttribute(Assembly, Type, bool) ,
Attribute.GetCustomAttribute(MemberInfo, Type) ,
Attribute.GetCustomAttribute(MemberInfo, Type, bool) ,
Attribute.GetCustomAttribute(Module, Type) , Attribute.GetCustomAttribute(Module, Type, bool) ,
Attribute.GetCustomAttribute(ParameterInfo, Type) ,
Attribute.GetCustomAttribute(ParameterInfo, Type, bool) , Attribute.GetCustomAttributes(Assembly) ,
Attribute.GetCustomAttributes(Assembly, bool) , Attribute.GetCustomAttributes(Assembly, Type) ,
Attribute.GetCustomAttributes(Assembly, Type, bool) , Attribute.GetCustomAttributes(MemberInfo) ,
Attribute.GetCustomAttributes(MemberInfo, bool) ,
Attribute.GetCustomAttributes(MemberInfo, Type) ,
Attribute.GetCustomAttributes(MemberInfo, Type, bool) , Attribute.GetCustomAttributes(Module) ,
Attribute.GetCustomAttributes(Module, bool) , Attribute.GetCustomAttributes(Module, Type) ,
Attribute.GetCustomAttributes(Module, Type, bool) , Attribute.GetCustomAttributes(ParameterInfo) ,
Attribute.GetCustomAttributes(ParameterInfo, bool) ,
Attribute.GetCustomAttributes(ParameterInfo, Type) ,
Attribute.GetCustomAttributes(ParameterInfo, Type, bool) , Attribute.GetHashCode() ,
Attribute.IsDefaultAttribute() , Attribute.IsDefined(Assembly, Type) ,
Attribute.IsDefined(Assembly, Type, bool) , Attribute.IsDefined(MemberInfo, Type) ,
Attribute.IsDefined(MemberInfo, Type, bool) , Attribute.IsDefined(Module, Type) ,
Attribute.IsDefined(Module, Type, bool) , Attribute.IsDefined(ParameterInfo, Type) ,
Attribute.IsDefined(ParameterInfo, Type, bool) , Attribute.Match(object) , Attribute.TypeId ,
object.Equals(object, object) , object.GetType() , object.MemberwiseClone() ,
object.ReferenceEquals(object, object) , object.ToString()

Constructors

ReturnsAttribute(Type)

```
protected ReturnsAttribute(Type returnType)
```

Parameters

`returnType` Type

Properties

ReturnType

```
public Type ReturnType { get; init; }
```

Property Value

Type

Class ReturnsAttribute<TResult>

Namespace: MicroPlumberd.DirectConnect

Assembly: MicroPlumberd.DirectConnect.dll

```
[AttributeUsage(AttributeTargets.Class)]
public class ReturnsAttribute<TResult> : ReturnsAttribute
```

Type Parameters

`TResult`

Inheritance

object ← Attribute ← ReturnsAttribute ← ReturnsAttribute<TResult>

Inherited Members

ReturnsAttribute.ReturnType , Attribute.Equals(object) ,
Attribute.GetCustomAttribute(Assembly, Type) , Attribute.GetCustomAttribute(Assembly, Type, bool) ,
Attribute.GetCustomAttribute(MemberInfo, Type) ,
Attribute.GetCustomAttribute(MemberInfo, Type, bool) ,
Attribute.GetCustomAttribute(Module, Type) , Attribute.GetCustomAttribute(Module, Type, bool) ,
Attribute.GetCustomAttribute(ParameterInfo, Type) ,
Attribute.GetCustomAttribute(ParameterInfo, Type, bool) , Attribute.GetCustomAttributes(Assembly) ,
Attribute.GetCustomAttributes(Assembly, bool) , Attribute.GetCustomAttributes(Assembly, Type) ,
Attribute.GetCustomAttributes(Assembly, Type, bool) , Attribute.GetCustomAttributes(MemberInfo) ,
Attribute.GetCustomAttributes(MemberInfo, bool) ,
Attribute.GetCustomAttributes(MemberInfo, Type) ,
Attribute.GetCustomAttributes(MemberInfo, Type, bool) , Attribute.GetCustomAttributes(Module) ,
Attribute.GetCustomAttributes(Module, bool) , Attribute.GetCustomAttributes(Module, Type) ,
Attribute.GetCustomAttributes(Module, Type, bool) , Attribute.GetCustomAttributes(ParameterInfo) ,
Attribute.GetCustomAttributes(ParameterInfo, bool) ,
Attribute.GetCustomAttributes(ParameterInfo, Type) ,
Attribute.GetCustomAttributes(ParameterInfo, Type, bool) , Attribute.GetHashCode() ,
Attribute.IsDefaultAttribute() , Attribute.IsDefined(Assembly, Type) ,
Attribute.IsDefined(Assembly, Type, bool) , Attribute.IsDefined(MemberInfo, Type) ,
Attribute.IsDefined(MemberInfo, Type, bool) , Attribute.IsDefined(Module, Type) ,
Attribute.IsDefined(Module, Type, bool) , Attribute.IsDefined(ParameterInfo, Type) ,
Attribute.IsDefined(ParameterInfo, Type, bool) , Attribute.Match(object) , Attribute.TypeId ,

object.Equals(object, object) , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Constructors

ReturnsAttribute()

```
public ReturnsAttribute()
```

Class ThrowsFaultExceptionAttribute

Namespace: MicroPlumberd.DirectConnect

Assembly: MicroPlumberd.DirectConnect.dll

```
public abstract class ThrowsFaultExceptionAttribute : Attribute
```

Inheritance

object ← Attribute ← ThrowsFaultExceptionAttribute

Derived

ThrowsFaultExceptionAttribute<TMessage>

Inherited Members

Attribute.Equals(object) , Attribute.GetCustomAttribute(Assembly, Type) ,
Attribute.GetCustomAttribute(Assembly, Type, bool) ,
Attribute.GetCustomAttribute(MemberInfo, Type) ,
Attribute.GetCustomAttribute(MemberInfo, Type, bool) ,
Attribute.GetCustomAttribute(Module, Type) , Attribute.GetCustomAttribute(Module, Type, bool) ,
Attribute.GetCustomAttribute(ParameterInfo, Type) ,
Attribute.GetCustomAttribute(ParameterInfo, Type, bool) , Attribute.GetCustomAttributes(Assembly) ,
Attribute.GetCustomAttributes(Assembly, bool) , Attribute.GetCustomAttributes(Assembly, Type) ,
Attribute.GetCustomAttributes(Assembly, Type, bool) , Attribute.GetCustomAttributes(MemberInfo) ,
Attribute.GetCustomAttributes(MemberInfo, bool) ,
Attribute.GetCustomAttributes(MemberInfo, Type) ,
Attribute.GetCustomAttributes(MemberInfo, Type, bool) , Attribute.GetCustomAttributes(Module) ,
Attribute.GetCustomAttributes(Module, bool) , Attribute.GetCustomAttributes(Module, Type) ,
Attribute.GetCustomAttributes(Module, Type, bool) , Attribute.GetCustomAttributes(ParameterInfo) ,
Attribute.GetCustomAttributes(ParameterInfo, bool) ,
Attribute.GetCustomAttributes(ParameterInfo, Type) ,
Attribute.GetCustomAttributes(ParameterInfo, Type, bool) , Attribute.GetHashCode() ,
Attribute.IsDefaultAttribute() , Attribute.IsDefined(Assembly, Type) ,
Attribute.IsDefined(Assembly, Type, bool) , Attribute.IsDefined(MemberInfo, Type) ,
Attribute.IsDefined(MemberInfo, Type, bool) , Attribute.IsDefined(Module, Type) ,
Attribute.IsDefined(Module, Type, bool) , Attribute.IsDefined(ParameterInfo, Type) ,
Attribute.IsDefined(ParameterInfo, Type, bool) , Attribute.Match(object) , Attribute.TypeId ,
object.Equals(object, object) , object.GetType() , object.MemberwiseClone() ,
object.ReferenceEquals(object, object) , object.ToString()

Constructors

ThrowsFaultExceptionAttribute(Type)

```
protected ThrowsFaultExceptionAttribute(Type thrownType)
```

Parameters

`thrownType` Type

Properties

ThrownType

```
public Type ThrownType { get; init; }
```

Property Value

Type

Class ThrowsFaultExceptionAttribute<TMessage>

Namespace: MicroPlumberd.DirectConnect

Assembly: MicroPlumberd.DirectConnect.dll

```
[AttributeUsage(AttributeTargets.Class|AttributeTargets.Method)]
public class ThrowsFaultExceptionAttribute<TMessage> : ThrowsFaultExceptionAttribute
```

Type Parameters

`TMessage`

Inheritance

object ← Attribute ← ThrowsFaultExceptionAttribute ← ThrowsFaultExceptionAttribute<TMessage>

Inherited Members

ThrowsFaultExceptionAttribute.ThrownType , Attribute.Equals(object) ,
Attribute.GetCustomAttribute(Assembly, Type) , Attribute.GetCustomAttribute(Assembly, Type, bool) ,
Attribute.GetCustomAttribute(MemberInfo, Type) ,
Attribute.GetCustomAttribute(MemberInfo, Type, bool) ,
Attribute.GetCustomAttribute(Module, Type) , Attribute.GetCustomAttribute(Module, Type, bool) ,
Attribute.GetCustomAttribute(ParameterInfo, Type) ,
Attribute.GetCustomAttribute(ParameterInfo, Type, bool) , Attribute.GetCustomAttributes(Assembly) ,
Attribute.GetCustomAttributes(Assembly, bool) , Attribute.GetCustomAttributes(Assembly, Type) ,
Attribute.GetCustomAttributes(Assembly, Type, bool) , Attribute.GetCustomAttributes(MemberInfo) ,
Attribute.GetCustomAttributes(MemberInfo, bool) ,
Attribute.GetCustomAttributes(MemberInfo, Type) ,
Attribute.GetCustomAttributes(MemberInfo, Type, bool) , Attribute.GetCustomAttributes(Module) ,
Attribute.GetCustomAttributes(Module, bool) , Attribute.GetCustomAttributes(Module, Type) ,
Attribute.GetCustomAttributes(Module, Type, bool) , Attribute.GetCustomAttributes(ParameterInfo) ,
Attribute.GetCustomAttributes(ParameterInfo, bool) ,
Attribute.GetCustomAttributes(ParameterInfo, Type) ,
Attribute.GetCustomAttributes(ParameterInfo, Type, bool) , Attribute.GetHashCode() ,
Attribute.IsDefaultAttribute() , Attribute.IsDefined(Assembly, Type) ,
Attribute.IsDefined(Assembly, Type, bool) , Attribute.IsDefined(MemberInfo, Type) ,
Attribute.IsDefined(MemberInfo, Type, bool) , Attribute.IsDefined(Module, Type) ,
Attribute.IsDefined(Module, Type, bool) , Attribute.IsDefined(ParameterInfo, Type) ,

Attribute.IsDefined(ParameterInfo, Type, bool) , Attribute.Match(object) , Attribute.TypeId , object.Equals(object, object) , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Constructors

ThrowsFaultExceptionAttribute()

```
public ThrowsFaultExceptionAttribute()
```

Namespace MicroPlumberd.SourceGenerators

Classes

AggregateSourceGenerator

CommandHandlerSourceGenerator

EventHandlerSourceGenerator

Class AggregateSourceGenerator

Namespace: MicroPlumberd.SourceGenerators

Assembly: MicroPlumberd.SourceGenerators.dll

```
[Generator]
public class AggregateSourceGenerator : ISourceGenerator
```

Inheritance

object ← AggregateSourceGenerator

Implements

ISourceGenerator

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Methods

Execute(GeneratorExecutionContext)

Called to perform source generation. A generator can use the `context` to add source files via the Add Source(string, SourceText) method.

```
public void Execute(GeneratorExecutionContext context)
```

Parameters

`context` GeneratorExecutionContext

The GeneratorExecutionContext to add source to

Remarks

This call represents the main generation step. It is called after a Compilation is created that contains the user written code.

A generator can use the Compilation property to discover information about the users compilation and make decisions on what source to provide.

Initialize(GeneratorInitializationContext)

Called before generation occurs. A generator can use the `context` to register callbacks required to perform generation.

```
public void Initialize(GeneratorInitializationContext context)
```

Parameters

`context` GeneratorInitializationContext

The GeneratorInitializationContext to register callbacks on

Class CommandHandlerSourceGenerator

Namespace: MicroPlumberd.SourceGenerators

Assembly: MicroPlumberd.SourceGenerators.dll

```
[Generator]
public class CommandHandlerSourceGenerator : ISourceGenerator
```

Inheritance

object ← CommandHandlerSourceGenerator

Implements

ISourceGenerator

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Methods

Execute(GeneratorExecutionContext)

Called to perform source generation. A generator can use the `context` to add source files via the Add Source(string, SourceText) method.

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Initialize(GeneratorInitializationContext)

Called before generation occurs. A generator can use the `context` to register callbacks required to perform generation.

```
public void Initialize(GeneratorInitializationContext context)
```

Parameters

`context` GeneratorInitializationContext

The GeneratorInitializationContext to register callbacks on

Class EventHandlerSourceGenerator

Namespace: MicroPlumberd.SourceGenerators

Assembly: MicroPlumberd.SourceGenerators.dll

```
[Generator]
public class EventHandlerSourceGenerator : ISourceGenerator
```

Inheritance

object ← EventHandlerSourceGenerator

Implements

ISourceGenerator

Inherited Members

object.Equals(object) , object.Equals(object, object) , object.GetHashCode() , object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) , object.ToString()

Methods

Execute(GeneratorExecutionContext)

Called to perform source generation. A generator can use the `context` to add source files via the Add Source(string, SourceText) method.

```
public void Execute(GeneratorExecutionContext context)
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`context` GeneratorExecutionContext

The GeneratorExecutionContext to add source to

Remarks

This call represents the main generation step. It is called after a Compilation is created that contains the user written code.

A generator can use the Compilation property to discover information about the users compilation and make decisions on what source to provide.

Initialize(GeneratorInitializationContext)

Called before generation occurs. A generator can use the `context` to register callbacks required to perform generation.

```
public void Initialize(GeneratorInitializationContext context)
```

Parameters

`context` GeneratorInitializationContext

The GeneratorInitializationContext to register callbacks on