

# Namespace MES.MQC.DataSourceLibrary.Adapters

## Classes

### [AdapterBase](#)

The AdapterBase class is the base for all MQC Adapters.

### [ApiConnector](#)

The Api Adapter class is the base for all MQC API Connectors

### [DataAdapterBase](#)

### [FileReader](#)

The FileAdapter class is the base for all MQC File Readers.

# Class AdapterBase

Namespace: [MES.MQC.DataSourceLibrary.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterBase class is the base for all MQC Adapters.

```
public abstract class AdapterBase
```

## Inheritance

[object](#) ← AdapterBase

## Derived

[DataAdapterBase](#), [ExportConnector](#)

## Inherited Members

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

# Properties

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

## Property Value

[string](#)

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

Property Value

[string](#)

## Options

Adapter options for the specific adapter.

```
public AdapterOptions Options { get; set; }
```

Property Value

AdapterOptions

# Class ApiConnector

Namespace: [MES.MQC.DataSourceLibrary.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The Api Adapter class is the base for all MQC API Connectors

```
public abstract class ApiConnector : DataAdapterBase, IFormAdapter
```

## Inheritance

[object](#) ↗ ← [AdapterBase](#) ← [DataAdapterBase](#) ← ApiConnector

## Implements

[IFormAdapter](#)

## Derived

[GitlabApiConnectorBase](#), [JenkinsPipelineApiConnector](#), [JfrogArtifactoryArtifactsApiConnector](#),  
[JiralIssueApiConnector](#)

## Inherited Members

[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Name](#) , [AdapterBase.Description](#) , [AdapterBase.Options](#) , [object.ToString\(\)](#) ↗ ,  
[object.Equals\(object\)](#) ↗ , [object.Equals\(object, object\)](#) ↗ , [object.ReferenceEquals\(object, object\)](#) ↗ ,  
[object.GetHashCode\(\)](#) ↗ , [object.GetType\(\)](#) ↗ , [object.MemberwiseClone\(\)](#) ↗

# Properties

## DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined. DataSource should be "Undefined", if only files are downloaded.

```
public override string DataSource { get; }
```

## Property Value

[string](#)

## Methods

ExecuteCachedInForm<T>(IFormContext<Form>, object[], Func<T>)

```
protected T ExecuteCachedInForm<T>(IFormContext<Form> context, object[] arguments,  
Func<T> lambda)
```

### Parameters

context [IFormContext<Form>](#)

arguments [object](#)[]

lambda [Func](#)<T>

### Returns

T

### Type Parameters

T

# Class DataAdapterBase

Namespace: [MES.MQC.DataSourceLibrary.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class DataAdapterBase : AdapterBase
```

## Inheritance

[object](#) ← [AdapterBase](#) ← DataAdapterBase

## Derived

[ApiConnector](#), [FileReader](#)

## Inherited Members

[AdapterBase.Name](#), [AdapterBase.Description](#), [AdapterBase.Options](#), [object.ToString\(\)](#),  
[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.ReferenceEquals\(object, object\)](#),  
[object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#)

# Properties

## DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public virtual string DataSource { get; }
```

## Property Value

[string](#)

# Methods

ThrowWarningForEmptyDataProperty(AdapterDataBase, ContextBase, string, string)

```
protected void ThrowWarningForEmptyDataProperty(AdapterDataBase adapterDataBase, ContextBase context, string propertyName, string value)
```

## Parameters

adapterDataBase [AdapterDataBase](#)

context [ContextBase](#)

propertyName [string](#)

value [string](#)

## TransformStringToDateTIme(string)

TransformStringToValue is a Utility method. Parse a string value to a DateTIme.

```
protected DateTime? TransformStringToDateTIme(string value)
```

## Parameters

value [string](#)

Date as string

## Returns

[DateTime](#)?

Datetime transformed from the string or null, if string was not a valid datetime

## TransformStringToValue(string)

TransformStringToValue is a Utility method. Parse a string value to a double value in a culture independent (invariant) way.

```
protected static double? TransformStringToValue(string value)
```

Parameters

**value** [string](#) ↗

Returns

[double](#) ↗?

# Class FileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The FileAdapter class is the base for all MQC File Readers.

```
public abstract class FileReader : DataAdapterBase
```

## Inheritance

[object](#) ↳ [AdapterBase](#) ↳ [DataAdapterBase](#) ↳ FileReader

## Derived

[AstreeXmlFileReader](#), [CodeClimateJsonFileReader](#), [DataTemplateFileReader](#), [DotCoverXmlFileReader](#),  
[EmbeddedTesterHtmlFileReader](#), [GenericDataSheetFileReader](#), [JUnitXmlFileReader](#), [MtestHtmlFileReader](#),  
[MxSuiteXmlFileReader](#), [MxamExcelFileReader](#), [MxamMxmlFileReader](#), [MxrayHtmlFileReader](#),  
[MxrayXmlFileReader](#), [PolyspaceCsvFileReader](#), [PolyspaceXmlFileReader](#), [QacHtmlFileReader](#),  
[QacXmlFileReader](#), [RtrtHtmlFileReader](#), [SICheckHtmlFileReader](#), [SIDesignVerifierHtmlFileReader](#),  
[SIRequirementHtmlFileReader](#), [TargetLinkHtmlFileReader](#), [TessyXmlFileReader](#), [TestwellCtcHtmlFileReader](#),  
[TestwellCtcXmlFileReader](#), [TptHtmlFileReader](#), [TptXmlFileReader](#), [VTestStudioHtmlFileReader](#)

## Inherited Members

[DataAdapterBase.DataSource](#) , [DataAdapterBase.TransformStringToValue\(string\)](#) ,  
[DataAdapterBase.TransformStringToDate\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Name](#) , [AdapterBase.Description](#) , [AdapterBase.Options](#) , [object.ToString\(\)](#) ↳ ,  
[object.Equals\(object\)](#) ↳ , [object.Equals\(object, object\)](#) ↳ , [object.ReferenceEquals\(object, object\)](#) ↳ ,  
[object.GetHashCode\(\)](#) ↳ , [object.GetType\(\)](#) ↳ , [object.MemberwiseClone\(\)](#) ↳

# Properties

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public abstract List<string> FileExtensions { get; }
```

## Property Value

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

## HumanReadableFileCount

Number of Human Readable Files.

```
protected virtual int HumanReadableFileCount { get; }
```

## Property Value

[int](#)

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected virtual List<string> HumanReadableFileExtensions { get; }
```

## Property Value

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

## HumanReadableRegexFileNames

Start of Human Readable File Names of the Adapter.

```
protected virtual List<string> HumanReadableRegexFileNames { get; }
```

## Property Value

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

## Priority

Priority of the Adapter. The execution order of all adapters depend on the defined priorities. The higher the priority the earlier the adapter is validated and executed. The default priority for Base Adapters is between 10-110, Custom Adapters should define a priority of 200 or higher if they should be executed before the base adapters. If two adapters have the same priority, the order is depending on the name of the adapter.

```
public virtual int Priority { get; }
```

Property Value

[int](#)

## ReportDateTimeExpected

Is it expected to get a reportDateTime in the report? If this is false the ReportDateTime is the CreationDate of the file without a warning.

```
protected virtual bool ReportDateTimeExpected { get; }
```

Property Value

[bool](#)

## Version

```
public virtual Version Version { get; }
```

Property Value

[Version](#)

## Methods

### Execute(FileReaderContext)

Internal method

```
public FileReaderResult Execute(FileReaderContext context)
```

Parameters

context [FileReaderContext](#)

FileReaderContext

Returns

[FileReaderResult](#)

AdapterValidationResult

## GetHumanReadableContents(FileReaderContext)

Get the human-readable file paths. Can be overridden with a user defined function. Can be used together with GetHumanReadableFilePath, but it is recommended to only use one of the methods.

```
protected virtual List<IFileContent> GetHumanReadableContents(FileReaderContext context)
```

Parameters

context [FileReaderContext](#)

FileReaderContext

Returns

[List](#)<[IFileContent](#)>

List of human readable files

## GetRelatedContentRequests(FileReaderContext)

```
public virtual List<RelatedContentRequest> GetRelatedContentRequests(FileReaderContext context)
```

Parameters

context [FileReaderContext](#)

Returns

[List](#) <[RelatedContentRequest](#)>

## GetRelatedContentRequestsFromOptions(FileReaderContext)

```
protected List<RelatedContentRequest> GetRelatedContentRequestsFromOptions(FileReaderContext context)
```

Parameters

context [FileReaderContext](#)

Returns

[List](#) <[RelatedContentRequest](#)>

## IsValid(FileReaderContext)

IsValid has to be implemented by the Adapter class. The method is called when the file extensions match. If the file extension is unique, this method can just return true, otherwise it should check if the file should be imported by the adapter. If true is returned, the current adapter is executed and the Read method is called. No other adapter is checked afterward.

```
protected abstract bool IsValid(FileReaderContext context)
```

Parameters

context [FileReaderContext](#)

FileReaderContext

Returns

[bool](#)

boolean (is this the correct adapter to read the file?)

## Read(FileReaderContext)

Read has to be implemented by the Adapter class. This method is called when the file extensions match and isValid returns true, no other adapter is called. The data of the file should be read and returned as a AdapterReadResult.

```
protected abstract AdapterReadResult Read(FileReaderContext context)
```

Parameters

**context** [FileReaderContext](#)

FileReaderContext

Returns

[AdapterReadResult](#)

AdapterReadResult

## TransformStringToDateTIme(FileReaderContext, string)

This method is deprecated, use

```
TransformStringToDateTIme(value)
```

instead

```
protected DateTime TransformStringToDateTIme(FileReaderContext context, string value)
```

Parameters

**context** [FileReaderContext](#)

FileReaderContext

**value** [string](#)

Date as string

Returns

[DateTime](#)

Datetime transformed from the string or the creation date, if string was not a valid datetime

## Validate(FileReaderContext)

Internal method

```
public AdapterValidationResult Validate(FileReaderContext context)
```

Parameters

**context** [FileReaderContext](#)

FileReaderContext

Returns

[AdapterValidationResult](#)

AdapterValidationResult

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Gitlab

## Classes

[GitlabApiConnectorBase](#)

[GitlabApiConnectorBase.GitlabAdapterOptions](#)

[GitlabPipelineApiConnector](#)

[GitlabPipelineApiConnector.GitlabPipelineAdapterOptions](#)

[GitlabRepositoryApiConnector](#)

[GitlabRepositoryApiConnector.GitlabRepositoryAdapterOptions](#)

# Class GitlabApiConnectorBase

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class GitlabApiConnectorBase : ApiConnector, IFormAdapter
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [ApiConnector](#) ← GitlabApiConnectorBase

## Implements

[IFormAdapter](#)

## Derived

[GitlabPipelineApiConnector](#), [GitlabRepositoryApiConnector](#)

## Inherited Members

[ApiConnector.DataSource](#) ,  
[ApiConnector.ExecuteCachedInForm<T>\(IFormContext<Form>, object\[\], Func<T>\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Name](#) , [AdapterBase.Description](#) , [AdapterBase.Options](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class GitlabApiConnectorBase.GitlabAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GitlabApiConnectorBase.GitlabAdapterOptions : ApiConnectorAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [ApiConnectorAdapterOptions](#) ←  
GitlabApiConnectorBase.GitlabAdapterOptions

## Derived

[GitlabPipelineApiConnector.GitlabPipelineAdapterOptions](#),  
[GitlabRepositoryApiConnector.GitlabRepositoryAdapterOptions](#)

## Inherited Members

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

# Class GitlabPipelineApiConnector

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GitlabPipelineApiConnector : GitlabApiConnectorBase,
    IDataLocationFileConnector<GitlabPipelineDataLocationForm, GitlabLocation,
    GitlabPipelineIdentifier, GitlabPipelineLoadInfo>, IDataLocationFileConnector,
    IDataLocationDataConnector<GitlabPipelineDataLocationForm, GitlabLocation,
    GitlabPipelineIdentifier, GitlabPipelineLoadInfo>,
    IDataLocationConnector<GitlabPipelineDataLocationForm, GitlabLocation,
    GitlabPipelineIdentifier, GitlabPipelineLoadInfo>, IDataLocationDataConnector,
    IDataLocationConnector, IFormAdapter, IDataLocationPreview<GitlabPipelineDataLocationForm,
    GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>, IDataLocationPreview
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [ApiConnector](#) ← [GitlabApiConnectorBase](#) ←  
GitlabPipelineApiConnector

## Implements

[IDataLocationFileConnector<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier,](#)  
[GitlabPipelineLoadInfo>](#),  
[IDataLocationFileConnector](#),  
[IDataLocationDataConnector<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier,](#)  
[GitlabPipelineLoadInfo>](#),  
[IDataLocationConnector<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, Gitlab](#)  
[PipelineLoadInfo>](#),  
[IDataLocationDataConnector](#), [IDataLocationConnector](#), [IFormAdapter](#),  
[IDataLocationPreview<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, Gitlab](#)  
[PipelineLoadInfo>](#),  
[IDataLocationPreview](#)

## Inherited Members

[ApiConnector.DataSource](#) ,  
[ApiConnector.ExecuteCachedInForm<T>\(IFormContext<Form>, object\[\], Func<T>\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

# Properties

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

## Property Value

[string](#) ↗

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

## Property Value

[string](#) ↗

## Version

```
public Version Version { get; }
```

## Property Value

[Version](#) ↗

# Methods

CheckDataLocationModified(DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>)

```
public bool  
CheckDataLocationModified(DataLocationConnectorContext<GitlabPipelineDataLocationForm,  
GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo> context)
```

Parameters

context [DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>](#)

Returns

[bool](#)

CreatePreview(DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>, string, out int)

```
public FormPreview[]  
CreatePreview(DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation,  
GitlabPipelineIdentifier, GitlabPipelineLoadInfo> context, string preview, out  
int totalCount)
```

Parameters

context [DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>](#)

preview [string](#)

totalCount [int](#)

Returns

[FormPreview\[\]](#)

GetContentStream(DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>, FileContent<GitlabLocation, GitlabPipelineIdentifier>, out string)

```
public Stream GetContentStream(DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo> context, FileContent<GitlabLocation, GitlabPipelineIdentifier> content, out string error)
```

## Parameters

context [DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>](#)

content [FileContent<GitlabLocation, GitlabPipelineIdentifier>](#)

error [string](#) ↴

## Returns

[Stream](#) ↴

GetDataLocationContentData(DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>, DataContent<GitlabLocation, GitlabPipelineIdentifier>, bool)

```
public DataLocationContentDataResult  
GetDataLocationContentData(DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo> context, DataContent<GitlabLocation, GitlabPipelineIdentifier> content, bool importFindings)
```

## Parameters

context [DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>](#)

content [DataContent<GitlabLocation, GitlabPipelineIdentifier>](#)

```
importFindings bool
```

Returns

[DataLocationContentDataResult](#)

GetDataLocationContents(DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>)

```
public DataLocationContentResult<GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>
GetDataLocationContents(DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo> context)
```

Parameters

context [DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>](#)

Returns

[DataLocationContentResult<GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>](#)

GetRelatedContents(DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>, FileContent<GitlabLocation, GitlabPipelineIdentifier>, RelatedContentRequest[])

```
public IFileContent[]
GetRelatedContents(DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo> context, FileContent<GitlabLocation, GitlabPipelineIdentifier> content, RelatedContentRequest[] relatedContentRequests)
```

Parameters

`context DataLocationConnectorContext<GitlabPipelineDataLocationForm, GitlabLocation, GitlabPipelineIdentifier, GitlabPipelineLoadInfo>`

`content FileContent<GitlabLocation, GitlabPipelineIdentifier>`

`relatedContentRequests RelatedContentRequest[]`

Returns

`IFileContent[]`

# Class GitlabPipelineApiConnector.GitlabPipelineAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GitlabPipelineApiConnector.GitlabPipelineAdapterOptions :  
    GitlabApiConnectorBase.GitlabAdapterOptions
```

## Inheritance

```
object ← AdapterOptions ← ApiConnectorAdapterOptions ←  
GitlabApiConnectorBase.GitlabAdapterOptions ←  
GitlabPipelineApiConnector.GitlabPipelineAdapterOptions
```

## Inherited Members

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

# Class GitlabRepositoryApiConnector

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GitlabRepositoryApiConnector : GitlabApiConnectorBase,  
    IDataLocationFileConnector<GitlabRepositoryDataLocationForm, GitlabLocation,  
    GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>,  
    IDataLocationConnector<GitlabRepositoryDataLocationForm, GitlabLocation,  
    GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>, IDataLocationFileConnector,  
    IDataLocationConnector, IFormAdapter, IDataLocationPreview<GitlabRepositoryDataLocationForm,  
    GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>, IDataLocationPreview
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [ApiConnector](#) ← [GitlabApiConnectorBase](#) ←  
GitlabRepositoryApiConnector

## Implements

[IDataLocationFileConnector<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>](#),  
[IDataLocationConnector<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>](#),  
[IDataLocationFileConnector](#), [IDataLocationConnector](#), [IFormAdapter](#),  
[IDataLocationPreview<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>](#),  
[IDataLocationPreview](#)

## Inherited Members

[ApiConnector.DataSource](#) ,  
[ApiConnector.ExecuteCachedInForm<T>\(IFormContext<Form>, object\[\], Func<T>\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTim\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

## Version

```
public Version Version { get; }
```

### Property Value

[Version](#)

## Methods

CheckDataLocationModified(DataLocationConnectorContext<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>)

```
public bool  
CheckDataLocationModified(DataLocationConnectorContext<GitlabRepositoryDataLocationForm,  
GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo> context)
```

Parameters

context [DataLocationConnectorContext<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>](#)

Returns

[bool](#)

CreatePreview(DataLocationConnectorContext<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>, string, out int)

```
public FormPreview[]  
CreatePreview(DataLocationConnectorContext<GitlabRepositoryDataLocationForm, GitlabLocation,  
GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo> context, string preview, out int totalCount)
```

Parameters

context [DataLocationConnectorContext<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>](#)

preview [string](#)

totalCount [int](#)

Returns

[FormPreview\[\]](#)

GetContentStream(DataLocationConnectorContext<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>, FileContent<GitlabLocation, GitlabRepositoryIdentifier>, out string)

```
public Stream  
GetContentStream(DataLocationConnectorContext<GitlabRepositoryDataLocationForm,  
GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo> context,  
FileContent<GitlabLocation, GitlabRepositoryIdentifier> content, out string error)
```

Parameters

context [DataLocationConnectorContext<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>](#)

content [FileContent<GitlabLocation, GitlabRepositoryIdentifier>](#)

error [string](#)

Returns

[Stream](#)

GetDataLocationContents(DataLocationConnectorContext<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>)

```
public DataLocationContentResult<GitlabLocation, GitlabRepositoryIdentifier,  
GitlabRepositoryLoadInfo>  
GetDataLocationContents(DataLocationConnectorContext<GitlabRepositoryDataLocationForm,  
GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo> context)
```

Parameters

context [DataLocationConnectorContext<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>](#)

Returns

[DataLocationContentResult<GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>](#)

GetRelatedContents(DataLocationConnectorContext<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>, FileContent<GitlabLocation, GitlabRepositoryIdentifier>, RelatedContentRequest[])

```
public IFileContent[]
GetRelatedContents(DataLocationConnectorContext<GitlabRepositoryDataLocationForm,
GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>
context, FileContent<GitlabLocation, GitlabRepositoryIdentifier> content,
RelatedContentRequest[] relatedContentRequests)
```

Parameters

context [DataLocationConnectorContext<GitlabRepositoryDataLocationForm, GitlabLocation, GitlabRepositoryIdentifier, GitlabRepositoryLoadInfo>](#)

content [FileContent<GitlabLocation, GitlabRepositoryIdentifier>](#)

relatedContentRequests [RelatedContentRequest\[\]](#)

Returns

[IFileContent\[\]](#)

# Class GitlabRepositoryApiConnector.GitlabRepositoryAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GitlabRepositoryApiConnector.GitlabRepositoryAdapterOptions :  
    GitlabApiConnectorBase.GitlabAdapterOptions
```

## Inheritance

```
object ← AdapterOptions ← ApiConnectorAdapterOptions ←  
GitlabApiConnectorBase.GitlabAdapterOptions ←  
GitlabRepositoryApiConnector.GitlabRepositoryAdapterOptions
```

## Inherited Members

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

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Gitlab.Contents

## Classes

[GitlabLocation](#)

[GitlabPipelinelIdentifier](#)

[GitlabPipelineLoadInfo](#)

[GitlabRepositoryIdentifier](#)

[GitlabRepositoryLoadInfo](#)

# Class GitlabLocation

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GitlabLocation : ContentLocationBase
```

## Inheritance

[object](#) ← [ContentLocationBase](#) ← GitlabLocation

## Inherited Members

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

# Properties

## ProjectId

```
[JsonProperty("p")]
public string ProjectId { get; set; }
```

## Property Value

[string](#)

## Url

```
[JsonProperty("u")]
public string Url { get; set; }
```

## Property Value

[string](#)

# Class GitlabPipelineIdentifier

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GitlabPipelineIdentifier : IContentIdentifier
```

## Inheritance

[object](#) ← GitlabPipelineIdentifier

## Implements

[IContentIdentifier](#)

## Inherited Members

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

## Properties

### ArtifactPath

```
[JsonProperty("a")]
public string ArtifactPath { get; set; }
```

### Property Value

[string](#)

### JobId

```
[JsonProperty("j")]
public long? JobId { get; set; }
```

### Property Value

[long](#)?

## PipelineId

```
[JsonProperty("p")]
public long? PipelineId { get; set; }
```

Property Value

[long](#)?

# Class GitlabPipelineLoadInfo

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GitlabPipelineLoadInfo : LoadInfoBase
```

## Inheritance

[object](#) ← [LoadInfoBase](#) ← GitlabPipelineLoadInfo

## Inherited Members

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

# Properties

## DateTime

```
[JsonProperty("d")]
public DateTime? DateTime { get; set; }
```

## Property Value

[DateTime](#)?

# Class GitlabRepositoryIdentifier

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GitlabRepositoryIdentifier : IContentIdentifier
```

## Inheritance

[object](#) ← GitlabRepositoryIdentifier

## Implements

[IContentIdentifier](#)

## Inherited Members

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

# Properties

## Commit

```
[JsonProperty("c")]
public string Commit { get; set; }
```

## Property Value

[string](#)

# Class GitlabRepositoryLoadInfo

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GitlabRepositoryLoadInfo : LoadInfoBase
```

## Inheritance

[object](#) ← [LoadInfoBase](#) ← GitlabRepositoryLoadInfo

## Inherited Members

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

## Properties

### Commits

```
[JsonProperty("c")]
public HashSet<string> Commits { get; set; }
```

### Property Value

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

### DateTime

```
[JsonProperty("d")]
public DateTime? DateTime { get; set; }
```

### Property Value

[DateTime](#)?

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Gitlab.Forms

## Classes

[GitlabDataLocationFormBase](#)

[GitlabPipelineDataLocationForm](#)

[GitlabRepositoryDataLocationForm](#)

## Enums

[GitlabPipelineDataLocationForm.LoadType](#)

[GitlabPipelineDataLocationForm.PipelineType](#)

# Class GitlabDataLocationFormBase

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class GitlabDataLocationFormBase : ApiDataLocationFormBase
```

## Inheritance

[object](#) ← [Form](#) ← [DataLocationFormBase](#) ← [ApiDataLocationFormBase](#) ← [GitlabDataLocationFormBase](#)

## Derived

[GitlabPipelineDataLocationForm](#), [GitlabRepositoryDataLocationForm](#)

## Inherited Members

[ApiDataLocationFormBase.Url](#), [ApiDataLocationFormBase.ClientCertificateEnabled](#),  
[ApiDataLocationFormBase.ClientCertificate](#),  
[DataLocationFormBase.GetHash\(ConnectorSettings, IDataLocationConnector\)](#), [Form.Type](#),  
[Form.FormSchema](#), [Form.FormHash](#), [Form.Errors](#), [Form.AddFieldError\(string, string, string\)](#),  
[Form.AddError\(string, string, string\)](#), [Form.RemoveError\(string\)](#), [object.ToString\(\)](#),  
[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.ReferenceEquals\(object, object\)](#),  
[object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#)

# Properties

## AccessToken

```
[JsonProperty(Required = Required.Always, Order = 4)]  
[Validation(typeof(AuthenticationValidator), new string[] { "Url=Url",  
"AccessToken=AccessToken", "ClientCertificate=ClientCertificate"  
}, AssistanceExecution.Always)]  
public string AccessToken { get; set; }
```

## Property Value

[string](#)

## FilterDateFrom

```
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "AccessToken=AccessToken",
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]
public DateFilter FilterDateFrom { get; set; }
```

Property Value

[DateFilter](#)

## FilterDateTo

```
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "AccessToken=AccessToken",
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]
public DateFilter FilterDateTo { get; set; }
```

Property Value

[DateFilter](#)

## Methods

### CreateHashSource(ConnectorSettings)

```
protected override string CreateHashSource(ConnectorSettings connectorSettings)
```

Parameters

connectorSettings [ConnectorSettings](#)

Returns

[string](#) ↗

# Class GitlabPipelineDataLocationForm

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GitlabPipelineDataLocationForm : GitlabDataLocationFormBase
```

## Inheritance

[object](#) ← [Form](#) ← [DataLocationFormBase](#) ← [ApiDataLocationFormBase](#) ←  
[GitlabDataLocationFormBase](#) ← [GitlabPipelineDataLocationForm](#)

## Inherited Members

[GitlabDataLocationFormBase.AccessToken](#) , [GitlabDataLocationFormBase.FilterDateFrom](#) ,  
[GitlabDataLocationFormBase.FilterDateTo](#) ,  
[GitlabDataLocationFormBase.CreateHashSource\(ConnectorSettings\)](#) , [ApiDataLocationFormBase.Url](#) ,  
[ApiDataLocationFormBase.ClientCertificateEnabled](#) , [ApiDataLocationFormBase.ClientCertificate](#) ,  
[DataLocationFormBase.GetHash\(ConnectorSettings, IDataLocationConnector\)](#) , [Form.Type](#) ,  
[Form.FormSchema](#) , [Form.FormHash](#) , [Form.Errors](#) , [Form.AddFieldError\(string, string, string\)](#) ,  
[Form.AddError\(string, string, string\)](#) , [Form.RemoveError\(string\)](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### JobFilters

```
[JsonProperty(Required = Required.Always, Order = 8)]  
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "AccessToken=AccessToken",  
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]  
public JobFilter[] JobFilters { get; set; }
```

### Property Value

[JobFilter\[\]](#)

### LoadTypes

```
[JsonProperty(Required = Required.Always, Order = 7)]
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "AccessToken=AccessToken",
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]
public GitlabPipelineDataLocationForm.LoadType[] LoadTypes { get; set; }
```

## Property Value

[LoadType\[\]](#)

## PipelineTypes

```
[JsonProperty(Required = Required.Always, Order = 6)]
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "AccessToken=AccessToken",
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]
public GitlabPipelineDataLocationForm.PipelineType[] PipelineTypes { get; set; }
```

## Property Value

[PipelineType\[\]](#)

## ProjectBranches

```
[JsonProperty(Required = Required.Always, Order = 5)]
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "AccessToken=AccessToken",
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]
[Validation(typeof(ProjectBranchesDuplicateValidator), new string[] {
"Items=ProjectBranches" }, AssistanceExecution.Always)]
[Validation(typeof(ProjectBranchesArtifactNameDuplicateValidator), new string[] {
"Items=ProjectBranches", "LoadTypes=LoadTypes" }, AssistanceExecution.Always)]
public ProjectBranchWithArtifact[] ProjectBranches { get; set; }
```

## Property Value

[ProjectBranchWithArtifact\[\]](#)

## UseTimeAsReportDateTime

```
[JsonProperty(Required = Required.Always, Order = 999)]
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "AccessToken=AccessToken",
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]
public string UseTimeAsReportDateTime { get; set; }
```

## Property Value

[string](#) ↗

# Enum GitlabPipelineDataLocationForm.LoadType

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {
    GitlabPipelineDataLocationForm.LoadType.Artifacts })]
public enum GitlabPipelineDataLocationForm.LoadType
```

## Fields

Artifacts = 0

TestReports = 1

# Enum GitlabPipelineDataLocationForm.PipelineType

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {
    GitlabPipelineDataLocationForm.PipelineType.BranchPipeline })]
public enum GitlabPipelineDataLocationForm.PipelineType
```

## Fields

BranchPipeline = 0

MergeRequestPipeline = 1

# Class GitlabRepositoryDataLocationForm

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GitlabRepositoryDataLocationForm : GitlabDataLocationFormBase
```

## Inheritance

[object](#) ← [Form](#) ← [DataLocationFormBase](#) ← [ApiDataLocationFormBase](#) ←  
[GitlabDataLocationFormBase](#) ← [GitlabRepositoryDataLocationForm](#)

## Inherited Members

[GitlabDataLocationFormBase.AccessToken](#) , [GitlabDataLocationFormBase.FilterDateFrom](#) ,  
[GitlabDataLocationFormBase.FilterDateTo](#) ,  
[GitlabDataLocationFormBase.CreateHashSource\(ConnectorSettings\)](#) , [ApiDataLocationFormBase.Url](#) ,  
[ApiDataLocationFormBase.ClientCertificateEnabled](#) , [ApiDataLocationFormBase.ClientCertificate](#) ,  
[DataLocationFormBase.GetHash\(ConnectorSettings, IDataLocationConnector\)](#) , [Form.Type](#) ,  
[Form.FormSchema](#) , [Form.FormHash](#) , [Form.Errors](#) , [Form.AddFieldError\(string, string, string\)](#) ,  
[Form.AddError\(string, string, string\)](#) , [Form.RemoveError\(string\)](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### CommitFilters

```
[JsonProperty(Required = Required.Always, Order = 6)]  
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "AccessToken=AccessToken",  
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]  
public CommitFilter[] CommitFilters { get; set; }
```

### Property Value

[CommitFilter\[\]](#)

### FileFilters

```
[JsonProperty(Required = Required.Always, Order = 7)]
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "AccessToken=AccessToken",
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]
public FileFilter[] FileFilters { get; set; }
```

Property Value

[FileFilter\[\]](#)

## ImportOnlyChangedFilesPerCommit

```
[JsonProperty(Order = 999)]
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "AccessToken=AccessToken",
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]
public bool ImportOnlyChangedFilesPerCommit { get; set; }
```

Property Value

[bool](#)

## ProjectBranches

```
[JsonProperty(Required = Required.Always, Order = 5)]
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "AccessToken=AccessToken",
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]
[Validation(typeof(ProjectBranchesDuplicateValidator), new string[] {
"Items=ProjectBranches" }, AssistanceExecution.Always)]
public ProjectBranch[] ProjectBranches { get; set; }
```

Property Value

[ProjectBranch\[\]](#)

## UseGitCommitTimeAsReportDate

```
[JsonProperty(Order = 999)]  
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "AccessToken=AccessToken",  
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]  
public bool UseGitCommitTimeAsReportDate { get; set; }
```

## Property Value

[bool](#) ↗

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Gitlab.Forms.Augmenters

## Classes

[ApiAugmenterBase<TFieldAttribute>](#)

[ArtifactNameVisibleInTableAugmenter](#)

[BranchOptionsAugmenter](#)

[GroupOptionsAugmenter](#)

[ProjectIdOptionsAugmenter](#)

[VisibleAugmenter](#)

# Class ApiAugmenterBase<TFieldAttribute>

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ApiAugmenterBase<TFieldAttribute> :  
    FormFieldAugmenter<GitlabApiConnectorBase, TFieldAttribute>, IFormFieldAssistant where  
    TFieldAttribute : FieldAttributeBase
```

## Type Parameters

**TFieldAttribute**

## Inheritance

```
object ↗ ← FormFieldAssistantBase<GitlabApiConnectorBase> ←  
FormFieldAugmenter<GitlabApiConnectorBase, TFieldAttribute> ← ApiAugmenterBase<TFieldAttribute>
```

## Implements

[IFormFieldAssistant](#)

## Derived

[BranchOptionsAugmenter](#), [GroupOptionsAugmenter](#), [ProjectIdOptionsAugmenter](#), [VisibleAugmenter](#)

## Inherited Members

```
FormFieldAugmenter<GitlabApiConnectorBase, TFieldAttribute>.Configure(IFieldAttribute),  
FormFieldAugmenter<GitlabApiConnectorBase, TFieldAttribute>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAugmenter<GitlabApiConnectorBase, TFieldAttribute>.Configure(TFieldAttribute),  
FormFieldAssistantBase<GitlabApiConnectorBase>.Adapter,  
FormFieldAssistantBase<GitlabApiConnectorBase>.FolderPath,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Context,  
FormFieldAssistantBase<GitlabApiConnectorBase>.ExecutionEnvironment,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Assistance,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Identifier,  
FormFieldAssistantBase<GitlabApiConnectorBase>.CacheKey,  
FormFieldAssistantBase<GitlabApiConnectorBase>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddFieldError(string),  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddError(string, string),  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddErrorFromResponse(RestResponse, string),  
object.ToString() ↗, object.Equals(object) ↗, object.Equals(object, object) ↗,
```

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

## Properties

### AccessToken

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

#### Property Value

[string](#)

### ClientCertificate

```
public ClientCertificate ClientCertificate { get; set; }
```

#### Property Value

[ClientCertificate](#)

### Url

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

#### Property Value

[string](#)

# Class ArtifactNameVisibleInTableAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ArtifactNameVisibleInTableAugmenter : VisibleInTableAugmenter,  
IFormFieldAssistant
```

## Inheritance

```
object ↪ ← FormFieldAssistantBase<IFormAdapter> ←  
FormFieldAugmenter<IFormAdapter, FieldAttributeBase> ← VisibleInTableAugmenter ←  
ArtifactNameVisibleInTableAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

[VisibleInTableAugmenter.Visible](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure\(IFieldAttribute\)](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Adapter](#) , [FormFieldAssistantBase<IFormAdapter>.FolderPath](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Context](#) ,  
[FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Assistance](#) , [FormFieldAssistantBase<IFormAdapter>.Identifier](#) ,  
[FormFieldAssistantBase<IFormAdapter>.CacheKey](#) ,  
[FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddFieldError\(string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### LoadTypes

```
public GitlabPipelineDataLocationForm.LoadType[] LoadTypes { get; set; }
```

Property Value

[LoadType\[\]](#)

## Methods

Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldConfig)
```

Parameters

[fieldConfig FieldAttributeBase](#)

# Class BranchOptionsAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class BranchOptionsAugmenter : ApiAugmenterBase<SelectAttribute>, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<GitlabApiConnectorBase> ←  
FormFieldAugmenter<GitlabApiConnectorBase, SelectAttribute> ←  
ApiAugmenterBase<SelectAttribute> ← BranchOptionsAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.AccessToken ,  
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,  
FormFieldAugmenter<GitlabApiConnectorBase, SelectAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<GitlabApiConnectorBase, SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<GitlabApiConnectorBase, SelectAttribute>.Configure(SelectAttribute) ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Adapter ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.FieldPath ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Context ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.ExecutionEnvironment ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Assistance ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Identifier ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.CacheKey ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddFieldError(string) ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddError(string, string) ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

## Properties

## ProjectId

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

### Property Value

[string](#)

## Methods

### Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

### Parameters

[fieldConfig](#) [SelectAttribute](#)

# Class GroupOptionsAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GroupOptionsAugmenter : ApiAugmenterBase<SelectAttribute>, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<GitlabApiConnectorBase> ←  
FormFieldAugmenter<GitlabApiConnectorBase, SelectAttribute> ←  
ApiAugmenterBase<SelectAttribute> ← GroupOptionsAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.AccessToken ,  
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,  
FormFieldAugmenter<GitlabApiConnectorBase, SelectAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<GitlabApiConnectorBase, SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<GitlabApiConnectorBase, SelectAttribute>.Configure(SelectAttribute) ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Adapter ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.FieldPath ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Context ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.ExecutionEnvironment ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Assistance ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Identifier ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.CacheKey ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddFieldError(string) ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddError(string, string) ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

## Methods

## Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

### Parameters

**fieldConfig** [SelectAttribute](#)

# Class ProjectIdOptionsAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectIdOptionsAugmenter : ApiAugmenterBase<SelectAttribute>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<GitlabApiConnectorBase> ←
FormFieldAugmenter<GitlabApiConnectorBase, SelectAttribute> ←
ApiAugmenterBase<SelectAttribute> ← ProjectIdOptionsAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.AccessToken ,
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,
FormFieldAugmenter<GitlabApiConnectorBase, SelectAttribute>.Configure(IFieldAttribute) ,
FormFieldAugmenter<GitlabApiConnectorBase, SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAugmenter<GitlabApiConnectorBase, SelectAttribute>.Configure(SelectAttribute) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Adapter ,
FormFieldAssistantBase<GitlabApiConnectorBase>.FieldPath ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Context ,
FormFieldAssistantBase<GitlabApiConnectorBase>.ExecutionEnvironment ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Assistance ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Identifier ,
FormFieldAssistantBase<GitlabApiConnectorBase>.CacheKey ,
FormFieldAssistantBase<GitlabApiConnectorBase>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.AddFieldError(string) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.AddError(string, string) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.AddErrorFromResponse(RestResponse, string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

# Properties

## Group

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

Property Value

[string](#) ↗

## Methods

Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

Parameters

[fieldConfig](#) [SelectAttribute](#)

# Class VisibleAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class VisibleAugmenter : ApiAugmenterBase<FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

```
object ↩ ← FormFieldAssistantBase<GitlabApiConnectorBase> ←  
FormFieldAugmenter<GitlabApiConnectorBase, FieldAttributeBase> ←  
ApiAugmenterBase<FieldAttributeBase> ← VisibleAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<FieldAttributeBase>.Url , ApiAugmenterBase<FieldAttributeBase>.AccessToken ,  
ApiAugmenterBase<FieldAttributeBase>.ClientCertificate ,  
FormFieldAugmenter<GitlabApiConnectorBase, FieldAttributeBase>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<GitlabApiConnectorBase> ,  
FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<GitlabApiConnectorBase, FieldAttributeBase>.Configure(FieldAttributeBase) ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Adapter ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.FieldPath ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Context ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.ExecutionEnvironment ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Assistance ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Identifier ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.CacheKey ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddFieldError(string) ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddError(string, string) ,  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↩ , object.Equals(object) ↩ , object.Equals(object, object) ↩ ,  
object.ReferenceEquals(object, object) ↩ , object.GetHashCode() ↩ , object.GetType() ↩ ,  
object.MemberwiseClone() ↩
```

## Methods

## Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldConfig)
```

### Parameters

fieldConfig [FieldAttributeBase](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Gitlab.Forms.SubForms

## Classes

[CommitFilter](#)

[FileFilter](#)

[JobFilter](#)

[ProjectBranch](#)

[ProjectBranchWithArtifact](#)

## Enums

[CommitFilter.CommitFilterTarget](#)

[JobFilter.JobFilterTarget](#)

# Class CommitFilter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class CommitFilter
```

## Inheritance

[object](#) ← CommitFilter

## Inherited Members

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

# Properties

## Apply

```
public bool Apply { get; set; }
```

### Property Value

[bool](#)

## Regex

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

### Property Value

[string](#)

## Target

```
public CommitFilter.CommitFilterTarget Target { get; set; }
```

Property Value

[CommitFilter.CommitFilterTarget](#)

# Enum CommitFilter.CommitFilterTarget

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {  
    CommitFilter.CommitFilterTarget.Message })]  
public enum CommitFilter.CommitFilterTarget
```

## Fields

Author = 1

Message = 0

# Class FileFilter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class FileFilter
```

## Inheritance

[object](#) ← FileFilter

## Inherited Members

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

# Properties

## Apply

```
public bool Apply { get; set; }
```

### Property Value

[bool](#)

## Directory

```
[Validation(typeof(FileFilterDirectoryValidator), new string[] { "Url=../Url",  
"AccessToken=../AccessToken", "ClientCertificate=../ClientCertificate",  
"ProjectBranches=../ProjectBranches", "Apply=Apply", "Directory=Directory"  
}, AssistanceExecution.Always)]  
public string Directory { get; set; }
```

### Property Value

[string](#)



# Class JobFilter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JobFilter
```

## Inheritance

[object](#) ← JobFilter

## Inherited Members

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

# Properties

## Apply

```
public bool Apply { get; set; }
```

### Property Value

[bool](#)

## Regex

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

### Property Value

[string](#)

## Target

```
public JobFilter.JobFilterTarget Target { get; set; }
```

Property Value

[JobFilter.JobFilterTarget](#)

# Enum JobFilter.JobFilterTarget

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {  
    JobFilter.JobFilterTarget.Name })]  
public enum JobFilter.JobFilterTarget
```

## Fields

Name = 0

Stage = 1

# Class ProjectBranch

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectBranch
```

## Inheritance

[object](#) ← ProjectBranch

## Derived

[ProjectBranchWithArtifact](#)

## Inherited Members

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

# Properties

## Branch

```
[JsonProperty(Required = Required.Always)]
[Augmentation(typeof(BranchOptionsAugmenter), new string[] { "Url=../Url",
    "AccessToken=../AccessToken", "ClientCertificate=../ClientCertificate",
    "ProjectId=ProjectId" }, AssistanceExecution.Frontend)]
[Validation(typeof(ProjectBranchValidator), new string[] { "Url=../Url",
    "AccessToken=../AccessToken", "ClientCertificate=../ClientCertificate",
    "ProjectId=ProjectId", "Branch=Branch" }, AssistanceExecution.Backend)]
public string Branch { get; set; }
```

## Property Value

[string](#)

## Group

```
[JsonProperty(Required = Required.Always)]
[Augmentation(typeof(GroupOptionsAugmenter), new string[] { "Url=../Url",
"AccessToken=../AccessToken", "ClientCertificate=../ClientCertificate"
}, AssistanceExecution.Frontend)]
public string Group { get; set; }
```

## Property Value

[string](#)

## ProjectId

```
[JsonProperty(Required = Required.Always)]
[Augmentation(typeof(ProjectIdOptionsAugmenter), new string[] { "Url=../Url",
"AccessToken=../AccessToken", "ClientCertificate=../ClientCertificate", "Group=Group"
}, AssistanceExecution.Frontend)]
public string ProjectId { get; set; }
```

## Property Value

[string](#)

## Methods

### HandleBackwardsCompatibility(StreamingContext)

```
[OnDeserialized]
public void HandleBackwardsCompatibility(StreamingContext streamingContext)
```

## Parameters

streamingContext [StreamingContext](#)

# Class ProjectBranchWithArtifact

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectBranchWithArtifact : ProjectBranch
```

## Inheritance

[object](#) ← [ProjectBranch](#) ← ProjectBranchWithArtifact

## Inherited Members

[ProjectBranch.Group](#) , [ProjectBranch.ProjectId](#) , [ProjectBranch.Branch](#) ,  
[ProjectBranch.HandleBackwardsCompatibility\(StreamingContext\)](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Properties

## ArtifactName

```
[JsonProperty(Required = Required.Always, NullValueHandling = NullValueHandling.Ignore)]  
[Augmentation(typeof(ArtifactNameVisibleInTableAugmenter), new string[] {  
    "LoadTypes=../LoadTypes" }, AssistanceExecution.Always)]  
public string ArtifactName { get; set; }
```

## Property Value

[string](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Gitlab.FormsValidators Classes

[ApiValidatorBase<TFieldAttribute>](#)

[AuthenticationValidator](#)

[FileFilterDirectoryValidator](#)

[ProjectBranchValidator](#)

[ProjectBranchesArtifactNameDuplicateValidator](#)

[ProjectBranchesDuplicateValidator](#)

# Class ApiValidatorBase<TFieldAttribute>

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Forms.Validators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ApiValidatorBase<TFieldAttribute> :  
    FormFieldValidator<GitlabApiConnectorBase, TFieldAttribute>, IFormFieldAssistant where  
    TFieldAttribute : FieldAttributeBase
```

## Type Parameters

**TFieldAttribute**

## Inheritance

```
object ↗ ← FormFieldAssistantBase<GitlabApiConnectorBase> ←  
FormFieldValidator<GitlabApiConnectorBase, TFieldAttribute> ← ApiValidatorBase<TFieldAttribute>
```

## Implements

[IFormFieldAssistant](#)

## Derived

[AuthenticationValidator](#), [FileFilterDirectoryValidator](#), [ProjectBranchValidator](#)

## Inherited Members

```
FormFieldValidator<GitlabApiConnectorBase, TFieldAttribute>.Validate(IFieldAttribute),  
FormFieldValidator<GitlabApiConnectorBase, TFieldAttribute>.InitializeCacheKey(FieldAttributeBase),  
FormFieldValidator<GitlabApiConnectorBase, TFieldAttribute>.Validate(TFieldAttribute),  
FormFieldAssistantBase<GitlabApiConnectorBase>.Adapter,  
FormFieldAssistantBase<GitlabApiConnectorBase>.FolderPath,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Context,  
FormFieldAssistantBase<GitlabApiConnectorBase>.ExecutionEnvironment,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Assistance,  
FormFieldAssistantBase<GitlabApiConnectorBase>.Identifier,  
FormFieldAssistantBase<GitlabApiConnectorBase>.CacheKey,  
FormFieldAssistantBase<GitlabApiConnectorBase>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddFieldError(string),  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddError(string, string),  
FormFieldAssistantBase<GitlabApiConnectorBase>.AddErrorFromResponse(RestResponse, string),  
object.ToString() ↗, object.Equals(object) ↗, object.Equals(object, object) ↗,
```

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

## Properties

### AccessToken

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

#### Property Value

[string](#)

### ClientCertificate

```
public ClientCertificate ClientCertificate { get; set; }
```

#### Property Value

[ClientCertificate](#)

### Url

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

#### Property Value

[string](#)

# Class AuthenticationValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.FormsValidators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class AuthenticationValidator : ApiValidatorBase<FieldAttributeBase>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<GitlabApiConnectorBase> ←
FormFieldValidator<GitlabApiConnectorBase, FieldAttributeBase> ←
ApiValidatorBase<FieldAttributeBase> ← AuthenticationValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiValidatorBase<FieldAttributeBase>.Url , ApiValidatorBase<FieldAttributeBase>.AccessToken ,
ApiValidatorBase<FieldAttributeBase>.ClientCertificate ,
FormFieldValidator<GitlabApiConnectorBase, FieldAttributeBase>.Validate(IFieldAttribute) ,
FormFieldValidator<GitlabApiConnectorBase, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldValidator<GitlabApiConnectorBase, FieldAttributeBase>.Validate(FieldAttributeBase) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Adapter ,
FormFieldAssistantBase<GitlabApiConnectorBase>.FieldPath ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Context ,
FormFieldAssistantBase<GitlabApiConnectorBase>.ExecutionEnvironment ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Assistance ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Identifier ,
FormFieldAssistantBase<GitlabApiConnectorBase>.CacheKey ,
FormFieldAssistantBase<GitlabApiConnectorBase>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.AddFieldError(string) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.AddError(string, string) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.AddErrorFromResponse(RestResponse, string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

## Methods

## Validate(FieldAttributeBase)

```
public override bool Validate(FieldAttributeBase fieldConfig)
```

Parameters

**fieldConfig** [FieldAttributeBase](#)

Returns

[bool](#) ↗

# Class FileFilterDirectoryValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.FormsValidators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class FileFilterDirectoryValidator : ApiValidatorBase<FieldAttributeBase>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<GitlabApiConnectorBase> ←
FormFieldValidator<GitlabApiConnectorBase, FieldAttributeBase> ←
ApiValidatorBase<FieldAttributeBase> ← FileFilterDirectoryValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiValidatorBase<FieldAttributeBase>.Url , ApiValidatorBase<FieldAttributeBase>.AccessToken ,
ApiValidatorBase<FieldAttributeBase>.ClientCertificate ,
FormFieldValidator<GitlabApiConnectorBase, FieldAttributeBase>.Validate(IFieldAttribute) ,
FormFieldValidator<GitlabApiConnectorBase, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldValidator<GitlabApiConnectorBase, FieldAttributeBase>.Validate(FieldAttributeBase) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Adapter ,
FormFieldAssistantBase<GitlabApiConnectorBase>.FieldPath ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Context ,
FormFieldAssistantBase<GitlabApiConnectorBase>.ExecutionEnvironment ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Assistance ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Identifier ,
FormFieldAssistantBase<GitlabApiConnectorBase>.CacheKey ,
FormFieldAssistantBase<GitlabApiConnectorBase>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.AddFieldError(string) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.AddError(string, string) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.AddErrorFromResponse(RestResponse, string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

# Properties

## Apply

```
public bool Apply { get; set; }
```

Property Value

[bool](#)

## Directory

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

Property Value

[string](#)

## ProjectBranches

```
public ProjectBranch[] ProjectBranches { get; set; }
```

Property Value

[ProjectBranch\[\]](#)

## Methods

### Validate(FieldAttributeBase)

```
public override bool Validate(FieldAttributeBase fieldConfig)
```

Parameters

[fieldConfig](#) [FieldAttributeBase](#)

Returns

bool ↗

# Class ProjectBranchValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.FormsValidators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectBranchValidator : ApiValidatorBase<FieldAttributeBase>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<GitlabApiConnectorBase> ←
FormFieldValidator<GitlabApiConnectorBase, FieldAttributeBase> ←
ApiValidatorBase<FieldAttributeBase> ← ProjectBranchValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiValidatorBase<FieldAttributeBase>.Url , ApiValidatorBase<FieldAttributeBase>.AccessToken ,
ApiValidatorBase<FieldAttributeBase>.ClientCertificate ,
FormFieldValidator<GitlabApiConnectorBase, FieldAttributeBase>.Validate(IFieldAttribute) ,
FormFieldValidator<GitlabApiConnectorBase, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldValidator<GitlabApiConnectorBase, FieldAttributeBase>.Validate(FieldAttributeBase) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Adapter ,
FormFieldAssistantBase<GitlabApiConnectorBase>.FieldPath ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Context ,
FormFieldAssistantBase<GitlabApiConnectorBase>.ExecutionEnvironment ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Assistance ,
FormFieldAssistantBase<GitlabApiConnectorBase>.Identifier ,
FormFieldAssistantBase<GitlabApiConnectorBase>.CacheKey ,
FormFieldAssistantBase<GitlabApiConnectorBase>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.AddFieldError(string) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.AddError(string, string) ,
FormFieldAssistantBase<GitlabApiConnectorBase>.AddErrorFromResponse(RestResponse, string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

# Properties

## Branch

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

### Property Value

[string](#) ↗

## ProjectId

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

### Property Value

[string](#) ↗

## Methods

### Validate(FieldAttributeBase)

```
public override bool Validate(FieldAttributeBase fieldConfig)
```

### Parameters

[fieldConfig](#) [FieldAttributeBase](#)

### Returns

[bool](#) ↗

# Class ProjectBranchesArtifactNameDuplicateValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.FormsValidators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectBranchesArtifactNameDuplicateValidator :  
    DuplicateValidatorBase<ProjectBranchWithArtifact>, IFormFieldAssistant
```

## Inheritance

```
object ← FormFieldAssistantBase<IFormAdapter> ←  
FormFieldValidator<IFormAdapter, FieldAttributeBase> ←  
DuplicateValidatorBase<ProjectBranchWithArtifact> ← ProjectBranchesArtifactNameDuplicateValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
DuplicateValidatorBase<ProjectBranchWithArtifact>.Items ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate(IFieldAttribute) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate(FieldAttributeBase) ,  
FormFieldAssistantBase<IFormAdapter>.Adapter , FormFieldAssistantBase<IFormAdapter>.FieldPath ,  
FormFieldAssistantBase<IFormAdapter>.Context ,  
FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment ,  
FormFieldAssistantBase<IFormAdapter>.Assistance , FormFieldAssistantBase<IFormAdapter>.Identifier ,  
FormFieldAssistantBase<IFormAdapter>.CacheKey ,  
FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<IFormAdapter>.AddFieldError(string) ,  
FormFieldAssistantBase<IFormAdapter>.AddError(string, string) ,  
FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() , object.Equals(object) , object.Equals(object, object) ,  
object.ReferenceEquals(object, object) , object.GetHashCode() , object.GetType() ,  
object.MemberwiseClone()
```

## Properties

# LoadTypes

```
public GitlabPipelineDataLocationForm.LoadType[] LoadTypes { get; set; }
```

Property Value

[LoadType\[\]](#)

## Methods

### GetItemLabel(ProjectBranchWithArtifact)

```
protected override string GetItemLabel(ProjectBranchWithArtifact projectBranch)
```

Parameters

projectBranch [ProjectBranchWithArtifact](#)

Returns

[string](#)

### GetLabel(FieldAttributeBase)

```
protected override string GetLabel(FieldAttributeBase fieldConfig)
```

Parameters

fieldConfig [FieldAttributeBase](#)

Returns

[string](#)

### Validate(FieldAttributeBase)

```
public override bool Validate(FieldAttributeBase fieldConfig)
```

Parameters

**fieldConfig** [FieldAttributeBase](#)

Returns

[bool](#)

# Class ProjectBranchesDuplicateValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.FormsValidators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectBranchesDuplicateValidator : DuplicateValidatorBase<ProjectBranch>,  
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<IFormAdapter> ←  
FormFieldValidator<IFormAdapter, FieldAttributeBase> ← DuplicateValidatorBase<ProjectBranch> ←  
ProjectBranchesDuplicateValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
DuplicateValidatorBase<ProjectBranch>.Items ,  
DuplicateValidatorBase<ProjectBranch>.Validate(FieldAttributeBase) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate(IFieldAttribute) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate(FieldAttributeBase) ,  
FormFieldAssistantBase<IFormAdapter>.Adapter , FormFieldAssistantBase<IFormAdapter>.FieldPath ,  
FormFieldAssistantBase<IFormAdapter>.Context ,  
FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment ,  
FormFieldAssistantBase<IFormAdapter>.Assistance , FormFieldAssistantBase<IFormAdapter>.Identifier ,  
FormFieldAssistantBase<IFormAdapter>.CacheKey ,  
FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<IFormAdapter>.AddFieldError(string) ,  
FormFieldAssistantBase<IFormAdapter>.AddError(string, string) ,  
FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

## Methods

[GetItemLabel\(ProjectBranch\)](#)

```
protected override string GetItemLabel(ProjectBranch projectBranch)
```

Parameters

projectBranch [ProjectBranch](#)

Returns

[string](#)

## GetLabel(FieldAttributeBase)

```
protected override string GetLabel(FieldAttributeBase fieldConfig)
```

Parameters

fieldConfig [FieldAttributeBase](#)

Returns

[string](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Gitlab.Response Classes

## [Artifact](#)

Result of one item in "/projects/{id}/jobs/{jobId}/artifacts" request.

## [Branch](#)

Result of one item in /projects/{id}/repository/branches request.

## [Commit](#)

Result of one item in "/projects/{id}/repository/commits" request.

## [CommitDiff](#)

Result of one item in "/projects/{id}/repository/commits/{sha}/diff" request with the most important properties.

## [CommitDiffDetailed](#)

Result of one item in "/projects/{id}/repository/commits/{sha}/diff" request with all properties.

## [ErrorResponse](#)

## [File](#)

To fetch a file from the repository, the "/projects/{id}/repository/files/{file\_path}?ref={id}" request is used.

## [Group](#)

Result of one item in "/groups"

## [Job](#)

Result of one item in "/projects/{id}/pipelines/{pipelineId}/jobs" request with the most important properties.

## [Job.JobArtifactsFile](#)

Job.ArtifactFile

## [MergeRequest](#)

Result of one item in "/projects/{id}/merge\_requests" request.

## [Namespace](#)

Result of one item in "/namespaces"

## [Pipeline](#)

Result of one item in "/projects/{id}/pipelines" request.

## [Project](#)

Result of one item in "/projects" request with the most important properties.

## [ProjectDetailed](#)

Result of one item in "/projects" request with all properties.

## [ProjectDetailed.ProjectContainerExpirationPolicy](#)

## [ProjectDetailed.ProjectLinks](#)

## [ProjectDetailed.ProjectPermission](#)

## [ProjectDetailed.ProjectPermission.ProjectPermissionAccess](#)

## [Runner](#)

Result of one item in "/runners" request.

## [TestReportSummary](#)

Result of one item in "/projects/{id}/pipelines/{pipelineId}/test\_report\_summary" request.

## [TestReportSummary.TestSuite](#)

## [TestReportSummary.TestSuite.TestCase](#)

## [TreePath](#)

Result of one item in "/projects/{id}/repository/tree?recursive=true"

Elements of type "tree" represent directories and elements of type "blob" represent files. Faster and easier to use than fetching the files via the commit diffs.

## [User](#)

Result of one item in "/users"

# Class Artifact

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/projects/{id}/jobs/{jobId}/artifacts" request.

```
public class Artifact
```

## Inheritance

[object](#) ← Artifact

## Inherited Members

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

# Properties

## FileFormat

```
[JsonProperty(PropertyName = "file_format")]
public string FileFormat { get; set; }
```

## Property Value

[string](#)

## FileType

```
[JsonProperty(PropertyName = "file_type")]
public string FileType { get; set; }
```

## Property Value

[string](#)

## Filename

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

### Property Value

[string ↗](#)

## Size

```
public int Size { get; set; }
```

### Property Value

[int ↗](#)

# Class Branch

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in /projects/{id}/repository/branches request.

```
public class Branch
```

## Inheritance

[object](#) ← Branch

## Inherited Members

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

# Properties

## CanPush

```
[JsonProperty(PropertyName = "can_push")]
public bool CanPush { get; set; }
```

## Property Value

[bool](#)

## Commit

```
public Commit Commit { get; set; }
```

## Property Value

[Commit](#)

## Default

```
public bool Default { get; set; }
```

Property Value

[bool](#) ↗

## DeveloperCanMerge

```
[JsonProperty(PropertyName = "developer_can_merge")]
public bool DeveloperCanMerge { get; set; }
```

Property Value

[bool](#) ↗

## DeveloperCanPush

```
[JsonProperty(PropertyName = "developer_can_push")]
public bool DeveloperCanPush { get; set; }
```

Property Value

[bool](#) ↗

## Merged

```
public bool Merged { get; set; }
```

Property Value

[bool](#) ↗

## Name

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

### Property Value

[string](#) ↗

## Protected

```
public bool Protected { get; set; }
```

### Property Value

[bool](#) ↗

## WebUrl

```
[JsonProperty(PropertyName = "web_url")]
public string WebUrl { get; set; }
```

### Property Value

[string](#) ↗

# Class Commit

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/projects/{id}/repository/commits" request.

```
public class Commit
```

## Inheritance

[object](#) ← Commit

## Inherited Members

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

# Properties

## AuthorEmail

```
[JsonProperty(PropertyName = "author_email")]
public string AuthorEmail { get; set; }
```

## Property Value

[string](#)

## AuthorName

```
[JsonProperty(PropertyName = "author_name")]
public string AuthorName { get; set; }
```

## Property Value

[string](#)

## AuthoredDate

```
[JsonProperty(PropertyName = "authored_date")]
public DateTime AuthoredDate { get; set; }
```

### Property Value

[DateTime](#)

## CommittedDate

```
[JsonProperty(PropertyName = "committed_date")]
public DateTime CommittedDate { get; set; }
```

### Property Value

[DateTime](#)

## CommitterEmail

```
[JsonProperty(PropertyName = "committer_email")]
public string CommitterEmail { get; set; }
```

### Property Value

[string](#)

## CommitterName

```
[JsonProperty(PropertyName = "committer_name")]
public string CommitterName { get; set; }
```

### Property Value

[string](#)

## CreatedAt

```
[JsonProperty(PropertyName = "created_at")]
public DateTime CreatedAt { get; set; }
```

Property Value

[DateTime](#)

## Id

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

Property Value

[string](#)

## Message

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

Property Value

[string](#)

## ParentIds

```
[JsonProperty(PropertyName = "parent_ids")]
public string[] ParentIds { get; set; }
```

Property Value

[string](#)[]

## ShortId

```
[JsonProperty(PropertyName = "short_id")]
public string ShortId { get; set; }
```

### Property Value

[string](#)

## Title

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

### Property Value

[string](#)

## WebUrl

```
[JsonProperty(PropertyName = "web_url")]
public string WebUrl { get; set; }
```

### Property Value

[string](#)

# Class CommitDiff

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/projects/{id}/repository/commits/{sha}/diff" request with the most important properties.

```
public class CommitDiff
```

**Inheritance**

[object](#) ← CommitDiff

**Derived**

[CommitDiffDetailed](#)

**Inherited Members**

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

## Properties

### DeletedFile

```
[JsonProperty(PropertyName = "deleted_file")]
public bool DeletedFile { get; set; }
```

Property Value

[bool](#)

### NewFile

```
[JsonProperty(PropertyName = "new_file")]
public bool NewFile { get; set; }
```

Property Value

[bool](#) ↗

NewPath

```
[JsonProperty(PropertyName = "new_path")]
public string NewPath { get; set; }
```

Property Value

[string](#) ↗

OldPath

```
[JsonProperty(PropertyName = "old_path")]
public string OldPath { get; set; }
```

Property Value

[string](#) ↗

RenamedFile

```
[JsonProperty(PropertyName = "renamed_file")]
public bool RenamedFile { get; set; }
```

Property Value

[bool](#) ↗

# Class CommitDiffDetailed

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/projects/{id}/repository/commits/{sha}/diff" request with all properties.

```
public class CommitDiffDetailed : CommitDiff
```

## Inheritance

[object](#) ↗ ← [CommitDiff](#) ← CommitDiffDetailed

## Inherited Members

[CommitDiff.OldPath](#) , [CommitDiff.NewPath](#) , [CommitDiff.NewFile](#) , [CommitDiff.RenamedFile](#) ,  
[CommitDiff.DeletedFile](#) , [object.ToString\(\)](#) ↗ , [object.Equals\(object\)](#) ↗ , [object.Equals\(object, object\)](#) ↗ ,  
[object.ReferenceEquals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ , [object.GetType\(\)](#) ↗ ,  
[object.MemberwiseClone\(\)](#) ↗

# Properties

## AMode

```
[JsonProperty(PropertyName = "a_mode")]
public string AMode { get; set; }
```

## Property Value

[string](#) ↗

## BMode

```
[JsonProperty(PropertyName = "b_mode")]
public string BMode { get; set; }
```

## Property Value

[string ↗](#)

## Diff

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

Property Value

[string ↗](#)

# Class ErrorResponse

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ErrorResponse
```

## Inheritance

[object](#) ← ErrorResponse

## Inherited Members

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

# Properties

## Message

Result of a api request with an error

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

## Property Value

[string](#)

# Class File

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

To fetch a file from the repository, the "/projects/{id}/repository/files/{file\_path}?ref={id}" request is used.

```
public class File
```

## Inheritance

[object](#) ← File

## Inherited Members

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

# Properties

## BlobId

```
[JsonProperty(PropertyName = "blob_id")]
public string BlobId { get; set; }
```

## Property Value

[string](#)

## CommitId

```
[JsonProperty(PropertyName = "commit_id")]
public string CommitId { get; set; }
```

## Property Value

[string](#)

## Content

```
public byte[] Content { get; set; }
```

### Property Value

[byte](#)[]

## ContentSha256

```
[JsonProperty(PropertyName = "content_sha256")]
public string ContentSha256 { get; set; }
```

### Property Value

[string](#)

## Encoding

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

### Property Value

[string](#)

## FileName

```
[JsonProperty(PropertyName = "file_name")]
public string FileName { get; set; }
```

### Property Value

[string](#)

## FilePath

```
[JsonProperty(PropertyName = "file_path")]
public string FilePath { get; set; }
```

### Property Value

[string](#) ↗

## LastCommitId

```
[JsonProperty(PropertyName = "last_commit_id")]
public string LastCommitId { get; set; }
```

### Property Value

[string](#) ↗

## Ref

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

### Property Value

[string](#) ↗

## Size

```
public int Size { get; set; }
```

### Property Value

[int](#) ↗



# Class Group

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/groups"

```
public class Group
```

Inheritance

[object](#) ← Group

Inherited Members

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

## Properties

AvatarUrl

```
[JsonProperty(PropertyName = "avatar_url")]
public string AvatarUrl { get; set; }
```

Property Value

[string](#)

Description

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

Property Value

[string](#)

## FullName

```
[JsonProperty(PropertyName = "full_name")]
public string FullName { get; set; }
```

### Property Value

[string](#) ↗

## FullPath

```
[JsonProperty(PropertyName = "full_path")]
public stringFullPath { get; set; }
```

### Property Value

[string](#) ↗

## Id

```
public int Id { get; set; }
```

### Property Value

[int](#) ↗

## Name

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

### Property Value

[string](#) ↗

## ParentId

```
[JsonProperty(PropertyName = "parent_id")]
public int? ParentId { get; set; }
```

### Property Value

[int](#)?

## Path

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

### Property Value

[string](#)

## Visibility

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

### Property Value

[string](#)

## WebUrl

```
[JsonProperty(PropertyName = "web_url")]
public string WebUrl { get; set; }
```

### Property Value

[string](#)

# Class Job

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/projects/{id}/pipelines/{pipelineId}/jobs" request with the most important properties.

```
public class Job
```

## Inheritance

[object](#) ← Job

## Inherited Members

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

# Properties

## AllowFailure

```
[JsonProperty(PropertyName = "allow_failure")]
public bool AllowFailure { get; set; }
```

## Property Value

[bool](#)

## ArtifactsExpireAt

```
[JsonProperty(PropertyName = "artifacts_expire_at")]
public DateTime? ArtifactsExpireAt { get; set; }
```

## Property Value

[DateTime](#)?

## ArtifactsFile

```
[JsonProperty(PropertyName = "artifacts_file")]
public Job.JobArtifactsFile ArtifactsFile { get; set; }
```

Property Value

[Job.JobArtifactsFile](#)

## Coverage

```
public double? Coverage { get; set; }
```

Property Value

[double](#)?

## CreatedAt

```
[JsonProperty(PropertyName = "created_at")]
public DateTime CreatedAt { get; set; }
```

Property Value

[DateTime](#)

## Duration

```
public double? Duration { get; set; }
```

Property Value

[double](#)?

## FinishedAt

```
[JsonProperty(PropertyName = "finished_at")]
public DateTime? FinishedAt { get; set; }
```

### Property Value

[DateTime](#)?

## Id

```
public long Id { get; set; }
```

### Property Value

[long](#)

## Name

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

### Property Value

[string](#)

## Pipeline

```
public Pipeline Pipeline { get; set; }
```

### Property Value

[Pipeline](#)

## QueuedDuration

```
[JsonProperty(PropertyName = "queued_duration")]
public double? QueuedDuration { get; set; }
```

Property Value

[double](#)?

## Ref

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

Property Value

[string](#)

## Stage

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

Property Value

[string](#)

## StartedAt

```
[JsonProperty(PropertyName = "started_at")]
public DateTime? StartedAt { get; set; }
```

Property Value

[DateTime](#)?

## Status

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

### Property Value

[string](#)

## Tag

```
public bool Tag { get; set; }
```

### Property Value

[bool](#)

## TagList

```
[JsonProperty(PropertyName = "tag_list")]
public string[] TagList { get; set; }
```

### Property Value

[string](#)[]

## WebUrl

```
[JsonProperty(PropertyName = "web_url")]
public string WebUrl { get; set; }
```

### Property Value

[string](#)



# Class Job.JobArtifactsFile

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Job.ArtifactFile

```
public class Job.JobArtifactsFile
```

Inheritance

[object](#) ← Job.JobArtifactsFile

Inherited Members

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

## Properties

Filename

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

Property Value

[string](#)

Size

```
public long Size { get; set; }
```

Property Value

[long](#)

# Class MergeRequest

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/projects/{id}/merge\_requests" request.

```
public class MergeRequest
```

## Inheritance

[object](#) ← MergeRequest

## Inherited Members

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

## Properties

### ApprovalsBeforeMerge

```
public int ApprovalsBeforeMerge { get; set; }
```

Property Value

[int](#)

### Assignee

```
public User Assignee { get; set; }
```

Property Value

[User](#)

## Assignees

```
public User[] Assignees { get; set; }
```

Property Value

[User\[\]](#)

## Author

```
public User Author { get; set; }
```

Property Value

[User](#)

## BlockingDiscussionsResolved

```
public object BlockingDiscussionsResolved { get; set; }
```

Property Value

[object↗](#)

## ClosedAt

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

Property Value

[DateTime↗?](#)

## ClosedBy

```
public User ClosedBy { get; set; }
```

Property Value

[User](#)

CreatedAt

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

Property Value

[DateTime](#)?

Description

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

Property Value

[string](#)

DetailedMergeStatus

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

Property Value

[string](#)

DiscussionLocked

```
public bool? DiscussionLocked { get; set; }
```

Property Value

[bool](#)?

Downvotes

```
public int Downvotes { get; set; }
```

Property Value

[int](#)

Draft

```
public bool Draft { get; set; }
```

Property Value

[bool](#)

ForceRemoveSourceBranch

```
public bool ForceRemoveSourceBranch { get; set; }
```

Property Value

[bool](#)

HasConflicts

```
public object HasConflicts { get; set; }
```

Property Value

[object](#)

Id

```
public int Id { get; set; }
```

Property Value

[int](#)

Iid

```
public int Iid { get; set; }
```

Property Value

[int](#)

Imported

```
public bool Imported { get; set; }
```

Property Value

[bool](#)

ImportedFrom

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

Property Value

[string](#)

## Labels

```
public string[] Labels { get; set; }
```

Property Value

[string](#)[]

## MergeAfter

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

Property Value

[DateTime](#)?

## MergeCommitSha

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

Property Value

[string](#)

## MergeStatus

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

Property Value

[string](#) ↗

## MergeUser

```
public User MergeUser { get; set; }
```

Property Value

[User](#)

## MergeWhenPipelineSucceeds

```
public bool MergeWhenPipelineSucceeds { get; set; }
```

Property Value

[bool](#) ↗

## MergedAt

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

Property Value

[DateTime](#) ↗?

## Milestone

```
public object Milestone { get; set; }
```

Property Value

[object](#) ↗

PreparedAt

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

Property Value

[DateTime](#) ↗?

ProjectId

```
public int ProjectId { get; set; }
```

Property Value

[int](#) ↗

Reference

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

Property Value

[string](#) ↗

References

```
public object References { get; set; }
```

Property Value

[object](#)

## Reviewers

```
public User[] Reviewers { get; set; }
```

Property Value

[User\[\]](#)

## Sha

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

Property Value

[string](#)

## ShouldRemoveSourceBranch

```
public bool ShouldRemoveSourceBranch { get; set; }
```

Property Value

[bool](#)

## SourceBranch

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

Property Value

[string](#)

## SourceProjectId

```
public int SourceProjectId { get; set; }
```

Property Value

[int](#)

## Squash

```
public bool Squash { get; set; }
```

Property Value

[bool](#)

## SquashCommitSha

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

Property Value

[string](#)

## SquashOnMerge

```
public bool SquashOnMerge { get; set; }
```

Property Value

[bool](#)

State

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

Property Value

[string](#)

TargetBranch

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

Property Value

[string](#)

TargetProjectId

```
public int TargetProjectId { get; set; }
```

Property Value

[int](#)

TaskCompletionStatus

```
public object TaskCompletionStatus { get; set; }
```

Property Value

[object](#) ↗

## TimeStats

```
public object TimeStats { get; set; }
```

Property Value

[object](#) ↗

## Title

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

Property Value

[string](#) ↗

## UpdatedAt

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

Property Value

[DateTime](#) ↗?

## Upvotes

```
public int Upvotes { get; set; }
```

Property Value

[int ↗](#)

## UserNotesCount

```
public int UserNotesCount { get; set; }
```

Property Value

[int ↗](#)

## WebUrl

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

Property Value

[string ↗](#)

## WorkInProgress

```
public bool WorkInProgress { get; set; }
```

Property Value

[bool ↗](#)

# Class Namespace

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/namespaces"

```
public class Namespace
```

Inheritance

[object](#) ← Namespace

Inherited Members

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

## Properties

### AvatarUrl

```
[JsonProperty(PropertyName = "avatar_url")]
public string AvatarUrl { get; set; }
```

Property Value

[string](#)

### FullPath

```
[JsonProperty(PropertyName = "full_path")]
public string FullPath { get; set; }
```

Property Value

[string](#)

## Id

```
public int Id { get; set; }
```

### Property Value

[int ↗](#)

## Kind

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

### Property Value

[string ↗](#)

## Name

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

### Property Value

[string ↗](#)

## ParentId

```
[JsonProperty(PropertyName = "parent_id")]
public int? ParentId { get; set; }
```

### Property Value

[int ↗?](#)

## Path

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

### Property Value

[string](#) ↗

## WebUrl

```
[JsonProperty(PropertyName = "web_url")]
public string WebUrl { get; set; }
```

### Property Value

[string](#) ↗

# Class Pipeline

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/projects/{id}/pipelines" request.

```
public class Pipeline
```

Inheritance

[object](#) ← Pipeline

Inherited Members

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

## Properties

Branch

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

Property Value

[string](#)

CreatedAt

```
[JsonProperty(PropertyName = "created_at")]
public DateTime CreatedAt { get; set; }
```

Property Value

[DateTime](#)

## Id

```
public int Id { get; set; }
```

Property Value

[int ↗](#)

## MergeRequest

```
public MergeRequest MergeRequest { get; set; }
```

Property Value

[MergeRequest](#)

## ProjectId

```
[JsonProperty(PropertyName = "project_id")]
public int ProjectId { get; set; }
```

Property Value

[int ↗](#)

## Ref

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

Property Value

[string ↗](#)

## Sha

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

### Property Value

[string](#)

## Source

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

### Property Value

[string](#)

## Status

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

### Property Value

[string](#)

## UpdatedAt

```
[JsonProperty(PropertyName = "updated_at")]
public DateTime UpdatedAt { get; set; }
```

### Property Value

[DateTime](#)

## WebUrl

```
[JsonProperty(PropertyName = "web_url")]
public string WebUrl { get; set; }
```

Property Value

[string](#) ↗

# Class Project

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/projects" request with the most important properties.

```
public class Project
```

Inheritance

[object](#) ← Project

Derived

[ProjectDetailed](#)

Inherited Members

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

## Properties

Archived

```
public bool Archived { get; set; }
```

Property Value

[bool](#)

AvatarUrl

```
[JsonProperty(PropertyName = "avatar_url")]
public string AvatarUrl { get; set; }
```

Property Value

[string](#)

## CreatedAt

```
[JsonProperty(PropertyName = "created_at")]
public DateTime CreatedAt { get; set; }
```

Property Value

[DateTime](#)

## DefaultBranch

```
[JsonProperty(PropertyName = "default_branch")]
public string DefaultBranch { get; set; }
```

Property Value

[string](#)

## Description

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

Property Value

[string](#)

## EmptyRepo

```
[JsonProperty(PropertyName = "empty_repo")]
public bool EmptyRepo { get; set; }
```

Property Value

[bool](#)

## ForksCount

```
[JsonProperty(PropertyName = "forks_count")]
public int ForksCount { get; set; }
```

Property Value

[int](#)

## HttpUrlToRepo

```
[JsonProperty(PropertyName = "http_url_to_repo")]
public string HttpUrlToRepo { get; set; }
```

Property Value

[string](#)

## Id

```
public int Id { get; set; }
```

Property Value

[int](#)

## LastActivityAt

```
[JsonProperty(PropertyName = "last_activity_at")]
public DateTime? LastActivityAt { get; set; }
```

Property Value

[DateTime](#)?

## Name

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

### Property Value

[string](#)

## NameWithNamespace

```
[JsonProperty(PropertyName = "name_with_namespace")]
public string NameWithNamespace { get; set; }
```

### Property Value

[string](#)

## Namespace

```
public Namespace Namespace { get; set; }
```

### Property Value

[Namespace](#)

## PackagesEnabled

```
[JsonProperty(PropertyName = "packages_enabled")]
public bool PackagesEnabled { get; set; }
```

### Property Value

[bool](#)

## Path

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

### Property Value

[string](#)

## PathWithNamespace

```
[JsonProperty(PropertyName = "path_with_namespace")]
public string PathWithNamespace { get; set; }
```

### Property Value

[string](#)

## ReadmeUrl

```
[JsonProperty(PropertyName = "readme_url")]
public string ReadmeUrl { get; set; }
```

### Property Value

[string](#)

## SshUrlToRepo

```
[JsonProperty(PropertyName = "ssh_url_to_repo")]
public string SshUrlToRepo { get; set; }
```

### Property Value

[string](#)

## StarCount

```
[JsonProperty(PropertyName = "star_count")]
public int StarCount { get; set; }
```

Property Value

[int](#)

## TagList

```
[JsonProperty(PropertyName = "tag_list")]
public string[] TagList { get; set; }
```

Property Value

[string](#)[]

## Topics

```
public string[] Topics { get; set; }
```

Property Value

[string](#)[]

## Visibility

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

Property Value

[string](#) ↗

## WebUrl

```
[JsonProperty(PropertyName = "web_url")]
public string WebUrl { get; set; }
```

Property Value

[string](#) ↗

# Class ProjectDetailed

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/projects" request with all properties.

```
public class ProjectDetailed : Project
```

## Inheritance

[object](#) ← [Project](#) ← ProjectDetailed

## Inherited Members

[Project.Id](#) , [Project.Description](#) , [Project.Name](#) , [Project.NameWithNamespace](#) , [Project.Path](#) ,  
[Project.PathWithNamespace](#) , [Project.CreatedAt](#) , [Project.DefaultBranch](#) , [Project.TagList](#) , [Project.Topics](#) ,  
[Project.SshUrlToRepo](#) , [Project.HttpUrlToRepo](#) , [Project.WebUrl](#) , [Project.ReadmeUrl](#) , [Project.AvatarUrl](#) ,  
[Project.ForksCount](#) , [Project.StarCount](#) , [Project.LastActivityAt](#) , [Project.Namespace](#) ,  
[Project.PackagesEnabled](#) , [Project.EmptyRepo](#) , [Project.Archived](#) , [Project.Visibility](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### AllowMergeOnSkippedPipeline

```
[JsonProperty(PropertyName = "allow_merge_on_skipped_pipeline")]
public string AllowMergeOnSkippedPipeline { get; set; }
```

### Property Value

[string](#)

### AnalyticsAccessLevel

```
[JsonProperty(PropertyName = "analytics_access_level")]
public string AnalyticsAccessLevel { get; set; }
```

Property Value

[string](#) ↗

## AutoCancelPendingPipelines

```
[JsonProperty(PropertyName = "auto_cancel_pending_pipelines")]
public string AutoCancelPendingPipelines { get; set; }
```

Property Value

[string](#) ↗

## AutoDevopsDeployStrategy

```
[JsonProperty(PropertyName = "auto_devops_deploy_strategy")]
public string AutoDevopsDeployStrategy { get; set; }
```

Property Value

[string](#) ↗

## AutoDevopsEnabled

```
[JsonProperty(PropertyName = "auto_devops_enabled")]
public bool AutoDevopsEnabled { get; set; }
```

Property Value

[bool](#) ↗

## AutocloseReferencedIssues

```
[JsonProperty(PropertyName = "autoclose_referenced_issues")]
```

```
public bool AutocloseReferencedIssues { get; set; }
```

Property Value

[bool](#)

## BuildCoverageRegex

```
[JsonProperty(PropertyName = "build_coverage_regex")]
public string BuildCoverageRegex { get; set; }
```

Property Value

[string](#)

## BuildTimeout

```
[JsonProperty(PropertyName = "build_timeout")]
public int BuildTimeout { get; set; }
```

Property Value

[int](#)

## BuildsAccessLevel

```
[JsonProperty(PropertyName = "builds_access_level")]
public string BuildsAccessLevel { get; set; }
```

Property Value

[string](#)

## CanCreateMergeRequestIn

```
[JsonProperty(PropertyName = "can_create_merge_request_in")]
public bool CanCreateMergeRequestIn { get; set; }
```

Property Value

[bool](#)

## CiConfigPath

```
[JsonProperty(PropertyName = "ci_config_path")]
public string CiConfigPath { get; set; }
```

Property Value

[string](#)

## CiDefaultGitDepth

```
[JsonProperty(PropertyName = "ci_default_git_depth")]
public int CiDefaultGitDepth { get; set; }
```

Property Value

[int](#)

## CiForwardDeploymentEnabled

```
[JsonProperty(PropertyName = "ci_forward_deployment_enabled")]
public bool CiForwardDeploymentEnabled { get; set; }
```

Property Value

[bool](#)

## CiJobTokenScopeEnabled

```
[JsonProperty(PropertyName = "ci_job_token_scope_enabled")]
public bool CiJobTokenScopeEnabled { get; set; }
```

Property Value

[bool](#) ↗

## ContainerExpirationPolicy

```
[JsonProperty(PropertyName = "container_expiration_policy")]
public ProjectDetailed.ProjectContainerExpirationPolicy ContainerExpirationPolicy { get;
set; }
```

Property Value

[ProjectDetailed.ProjectContainerExpirationPolicy](#)

## ContainerRegistryAccessLevel

```
[JsonProperty(PropertyName = "container_registry_access_level")]
public string ContainerRegistryAccessLevel { get; set; }
```

Property Value

[string](#) ↗

## ContainerRegistryEnabled

```
[JsonProperty(PropertyName = "container_registry_enabled")]
public bool ContainerRegistryEnabled { get; set; }
```

Property Value

[bool](#) ↗

## CreatorId

```
[JsonProperty(PropertyName = "creator_id")]
public int CreatorId { get; set; }
```

Property Value

[int](#) ↗

## EmailsDisabled

```
[JsonProperty(PropertyName = "emails_disabled")]
public string EmailsDisabled { get; set; }
```

Property Value

[string](#) ↗

## ForkedFromProject

```
[JsonProperty(PropertyName = "forked_from_project")]
public ProjectDetailed ForkedFromProject { get; set; }
```

Property Value

[ProjectDetailed](#)

## ForkingAccessLevel

```
[JsonProperty(PropertyName = "forking_access_level")]
public string ForkingAccessLevel { get; set; }
```

Property Value

[string](#) ↗

## ImportStatus

```
[JsonProperty(PropertyName = "import_status")]
public string ImportStatus { get; set; }
```

Property Value

[string](#) ↗

## IssuesAccessLevel

```
[JsonProperty(PropertyName = "issues_access_level")]
public string IssuesAccessLevel { get; set; }
```

Property Value

[string](#) ↗

## IssuesEnabled

```
[JsonProperty(PropertyName = "issues_enabled")]
public bool IssuesEnabled { get; set; }
```

Property Value

[bool](#) ↗

## JobsEnabled

```
[JsonProperty(PropertyName = "jobs_enabled")]
```

```
public bool JobsEnabled { get; set; }
```

Property Value

[bool](#)

## KeepLatestArtifact

```
[JsonProperty(PropertyName = "keep_latest_artifact")]
public bool KeepLatestArtifact { get; set; }
```

Property Value

[bool](#)

## LfsEnabled

```
[JsonProperty(PropertyName = "lfs_enabled")]
public bool LfsEnabled { get; set; }
```

Property Value

[bool](#)

## Links

```
[JsonProperty(PropertyName = "_links")]
public ProjectDetailed.ProjectLinks Links { get; set; }
```

Property Value

[ProjectDetailed.ProjectLinks](#)

## MergeMethod

```
[JsonProperty(PropertyName = "merge_method")]
public string MergeMethod { get; set; }
```

Property Value

[string](#) ↗

## MergeRequestsAccessLevel

```
[JsonProperty(PropertyName = "merge_requests_access_level")]
public string MergeRequestsAccessLevel { get; set; }
```

Property Value

[string](#) ↗

## MergeRequestsEnabled

```
[JsonProperty(PropertyName = "merge_requests_enabled")]
public bool MergeRequestsEnabled { get; set; }
```

Property Value

[bool](#) ↗

## OnlyAllowMergeIfAllDiscussionsAreResolved

```
[JsonProperty(PropertyName = "only_allow_merge_if_all_discussions_are_resolved")]
public bool OnlyAllowMergeIfAllDiscussionsAreResolved { get; set; }
```

Property Value

[bool](#) ↗

## OnlyAllowMergeIfPipelineSucceeds

```
[JsonProperty(PropertyName = "only_allow_merge_if_pipeline_succeeds")]
public bool OnlyAllowMergeIfPipelineSucceeds { get; set; }
```

Property Value

[bool](#)

## OpenIssuesCount

```
[JsonProperty(PropertyName = "open_issues_count")]
public int OpenIssuesCount { get; set; }
```

Property Value

[int](#)

## OperationsAccessLevel

```
[JsonProperty(PropertyName = "operations_access_level")]
public string OperationsAccessLevel { get; set; }
```

Property Value

[string](#)

## PagesAccessLevel

```
[JsonProperty(PropertyName = "pages_access_level")]
public string PagesAccessLevel { get; set; }
```

Property Value

[string](#)

## Permissions

```
public ProjectDetailed.ProjectPermission Permissions { get; set; }
```

### Property Value

[ProjectDetailed.ProjectPermission](#)

## PrintingMergeRequestLinkEnabled

```
[JsonProperty(PropertyName = "printing_merge_request_link_enabled")]
public bool PrintingMergeRequestLinkEnabled { get; set; }
```

### Property Value

[bool](#)

## PublicJobs

```
[JsonProperty(PropertyName = "public_jobs")]
public bool PublicJobs { get; set; }
```

### Property Value

[bool](#)

## RemoveSourceBranchAfterMerge

```
[JsonProperty(PropertyName = "remove_source_branch_after_merge")]
public bool RemoveSourceBranchAfterMerge { get; set; }
```

### Property Value

[bool](#) ↗

## RepositoryAccessLevel

```
[JsonProperty(PropertyName = "repository_access_level")]
public string RepositoryAccessLevel { get; set; }
```

Property Value

[string](#) ↗

## RequestAccessEnabled

```
[JsonProperty(PropertyName = "request_access_enabled")]
public bool RequestAccessEnabled { get; set; }
```

Property Value

[bool](#) ↗

## ResolveOutdatedDiffDiscussions

```
[JsonProperty(PropertyName = "resolve_outdated_diff_discussions")]
public bool ResolveOutdatedDiffDiscussions { get; set; }
```

Property Value

[bool](#) ↗

## RestrictUserDefinedVariables

```
[JsonProperty(PropertyName = "restrict_user_defined_variables")]
public bool RestrictUserDefinedVariables { get; set; }
```

Property Value

[bool](#) ↗

## ServiceDeskAddress

```
[JsonProperty(PropertyName = "service_desk_address")]
public string ServiceDeskAddress { get; set; }
```

Property Value

[string](#) ↗

## ServiceDeskEnabled

```
[JsonProperty(PropertyName = "service_desk_enabled")]
public bool ServiceDeskEnabled { get; set; }
```

Property Value

[bool](#) ↗

## SharedRunnersEnabled

```
[JsonProperty(PropertyName = "shared_runners_enabled")]
public bool SharedRunnersEnabled { get; set; }
```

Property Value

[bool](#) ↗

## SharedWithGroups

```
[JsonProperty(PropertyName = "shared_with_groups")]
```

```
public string[] SharedWithGroups { get; set; }
```

Property Value

[string](#)[]

## SnippetsAccessLevel

```
[JsonProperty(PropertyName = "snippets_access_level")]
public string SnippetsAccessLevel { get; set; }
```

Property Value

[string](#)[]

## SnippetsEnabled

```
[JsonProperty(PropertyName = "snippets_enabled")]
public bool SnippetsEnabled { get; set; }
```

Property Value

[bool](#)[]

## SquashOption

```
[JsonProperty(PropertyName = "squash_option")]
public string SquashOption { get; set; }
```

Property Value

[string](#)[]

## SuggestionCommitMessage

```
[JsonProperty(PropertyName = "suggestion_commit_message")]
public string SuggestionCommitMessage { get; set; }
```

Property Value

[string](#) ↗

## WikiAccessLevel

```
[JsonProperty(PropertyName = "wiki_access_level")]
public string WikiAccessLevel { get; set; }
```

Property Value

[string](#) ↗

## WikiEnabled

```
[JsonProperty(PropertyName = "wiki_enabled")]
public bool WikiEnabled { get; set; }
```

Property Value

[bool](#) ↗

# Class ProjectDetailed.ProjectContainerExpirationPolicy

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectDetailed.ProjectContainerExpirationPolicy
```

## Inheritance

[object](#) ← ProjectDetailed.ProjectContainerExpirationPolicy

## Inherited Members

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

## Properties

### Cadence

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

#### Property Value

[string](#)

### Enabled

```
public bool Enabled { get; set; }
```

#### Property Value

[bool](#)

## KeepN

```
[JsonProperty(PropertyName = "keep_n")]
public int KeepN { get; set; }
```

Property Value

[int](#)

## NameRegex

```
[JsonProperty(PropertyName = "name_regex")]
public string NameRegex { get; set; }
```

Property Value

[string](#)

## NameRegexKeep

```
[JsonProperty(PropertyName = "name_regex_keep")]
public string NameRegexKeep { get; set; }
```

Property Value

[string](#)

## NextRunAt

```
[JsonProperty(PropertyName = "next_run_at")]
public DateTime? NextRunAt { get; set; }
```

Property Value

[DateTime](#)?

## OlderThan

```
[JsonProperty(PropertyName = "older_than")]
public string OlderThan { get; set; }
```

Property Value

[string](#) ↗

# Class ProjectDetailed.ProjectLinks

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectDetailed.ProjectLinks
```

## Inheritance

[object](#) ← ProjectDetailed.ProjectLinks

## Inherited Members

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

# Properties

## Events

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

## Property Value

[string](#)

## Issues

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

## Property Value

[string](#)

## Labels

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

## Property Value

[string ↗](#)

## Members

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

## Property Value

[string ↗](#)

## MergeRequests

```
[JsonProperty(PropertyName = "merge_requests")]
public string MergeRequests { get; set; }
```

## Property Value

[string ↗](#)

## RepoBranches

```
[JsonProperty(PropertyName = "repo_branches")]
public string RepoBranches { get; set; }
```

## Property Value

[string ↗](#)

## Self

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

Property Value

[string](#) ↗

# Class ProjectDetailed.ProjectPermission

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectDetailed.ProjectPermission
```

## Inheritance

[object](#) ← ProjectDetailed.ProjectPermission

## Inherited Members

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

# Properties

## GroupAccess

```
[JsonProperty(PropertyName = "group_access")]
public ProjectDetailed.ProjectPermission.ProjectPermissionAccess GroupAccess { get; set; }
```

## Property Value

[ProjectDetailed.ProjectPermission.ProjectPermissionAccess](#)

## ProjectAccess

```
[JsonProperty(PropertyName = "project_access")]
public ProjectDetailed.ProjectPermission.ProjectPermissionAccess ProjectAccess { get; set; }
```

## Property Value

[ProjectDetailed.ProjectPermission.ProjectPermissionAccess](#)

# Class ProjectDetailed.ProjectPermission.ProjectPermissionAccess

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectDetailed.ProjectPermission.ProjectPermissionAccess
```

## Inheritance

[object](#) ← ProjectDetailed.ProjectPermission.ProjectPermissionAccess

## Inherited Members

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

## Properties

### AccessLevel

```
[JsonProperty(PropertyName = "access_level")]
public int AccessLevel { get; set; }
```

#### Property Value

[int](#)

### NotificationLevel

```
[JsonProperty(PropertyName = "notification_level")]
public int? NotificationLevel { get; set; }
```

#### Property Value

[int](#)?



# Class Runner

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/runners" request.

```
public class Runner
```

## Inheritance

[object](#) ← Runner

## Inherited Members

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

## Properties

### Active

```
public bool Active { get; set; }
```

#### Property Value

[bool](#)

### Description

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

#### Property Value

[string](#)

## Id

```
public int Id { get; set; }
```

Property Value

[int](#)

## IpAddress

```
[JsonProperty(PropertyName = "ip_address")]
public string IpAddress { get; set; }
```

Property Value

[string](#)

## IsShared

```
[JsonProperty(PropertyName = "is_shared")]
public bool IsShared { get; set; }
```

Property Value

[bool](#)

## Name

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

Property Value

[string](#)

## Online

```
public bool Online { get; set; }
```

### Property Value

[bool ↗](#)

## RunnerType

```
[JsonProperty(PropertyName = "runner_type")]
public string RunnerType { get; set; }
```

### Property Value

[string ↗](#)

## Status

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

### Property Value

[string ↗](#)

# Class TestReportSummary

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/projects/{id}/pipelines/{pipelineId}/test\_report\_summary" request.

```
public class TestReportSummary
```

## Inheritance

[object](#) ← TestReportSummary

## Inherited Members

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

# Properties

## ErrorCount

```
[JsonProperty(PropertyName = "error_count")]
public int ErrorCount { get; set; }
```

## Property Value

[int](#)

## FailedCount

```
[JsonProperty(PropertyName = "failed_count")]
public int FailedCount { get; set; }
```

## Property Value

[int](#)

## SkippedCount

```
[JsonProperty(PropertyName = "skipped_count")]
public int SkippedCount { get; set; }
```

### Property Value

[int](#)

## SuccessCount

```
[JsonProperty(PropertyName = "success_count")]
public int SuccessCount { get; set; }
```

### Property Value

[int](#)

## TestSuites

```
[JsonProperty(PropertyName = "test_suites")]
public TestReportSummary.TestSuite[] TestSuites { get; set; }
```

### Property Value

[TestSuite\[\]](#)

## TotalCount

```
[JsonProperty(PropertyName = "total_count")]
public int TotalCount { get; set; }
```

### Property Value

[int](#)

## TotalTime

```
[JsonProperty(PropertyName = "total_time")]
public double TotalTime { get; set; }
```

Property Value

[double](#)

# Class TestReportSummary.TestSuite

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TestReportSummary.TestSuite
```

## Inheritance

[object](#) ← TestReportSummary.TestSuite

## Inherited Members

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

# Properties

## ErrorCount

```
[JsonProperty(PropertyName = "error_count")]
public int ErrorCount { get; set; }
```

## Property Value

[int](#)

## FailedCount

```
[JsonProperty(PropertyName = "failed_count")]
public int FailedCount { get; set; }
```

## Property Value

[int](#)

## Name

```
[JsonProperty(PropertyName = "name")]
public string Name { get; set; }
```

### Property Value

[string](#)

## SkippedCount

```
[JsonProperty(PropertyName = "skipped_count")]
public int SkippedCount { get; set; }
```

### Property Value

[int](#)

## SuccessCount

```
[JsonProperty(PropertyName = "success_count")]
public int SuccessCount { get; set; }
```

### Property Value

[int](#)

## SuiteError

```
[JsonProperty(PropertyName = "suite_error")]
public string SuiteError { get; set; }
```

### Property Value

[string](#)

## TestCases

```
[JsonProperty(PropertyName = "test_cases")]
public TestReportSummary.TestSuite.TestCase[] TestCases { get; set; }
```

### Property Value

[TestCase\[\]](#)

## TotalCount

```
[JsonProperty(PropertyName = "total_count")]
public int TotalCount { get; set; }
```

### Property Value

[int](#)

## TotalTime

```
[JsonProperty(PropertyName = "total_time")]
public double TotalTime { get; set; }
```

### Property Value

[double](#)

# Class TestReportSummary.TestSuite.TestCase

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TestReportSummary.TestSuite.TestCase
```

## Inheritance

[object](#) ← TestReportSummary.TestSuite.TestCase

## Inherited Members

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

## Properties

### Classname

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

#### Property Value

[string](#)

### ExecutionTime

```
[JsonProperty(PropertyName = "execution_time")]
public double ExecutionTime { get; set; }
```

#### Property Value

[double](#)

## File

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

### Property Value

[string ↗](#)

## Name

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

### Property Value

[string ↗](#)

## RecentFailures

```
[JsonProperty(PropertyName = "recent_failures")]
public string RecentFailures { get; set; }
```

### Property Value

[string ↗](#)

## StackTrace

```
[JsonProperty(PropertyName = "stack_trace")]
public string StackTrace { get; set; }
```

### Property Value

[string ↗](#)

## Status

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

### Property Value

[string](#) ↗

## SystemOutput

```
[JsonProperty(PropertyName = "system_output")]
public object SystemOutput { get; set; }
```

### Property Value

[object](#) ↗

# Class TreePath

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/projects/{id}/repository/tree?recursive=true"

Elements of type "tree" represent directories and elements of type "blob" represent files. Faster and easier to use than fetching the files via the commit diffs.

```
public class TreePath
```

## Inheritance

[object](#) ← TreePath

## Inherited Members

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

# Properties

## Id

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

## Property Value

[string](#)

## Mode

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

## Property Value

[string](#) ↗

## Name

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

### Property Value

[string](#) ↗

## Path

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

### Property Value

[string](#) ↗

## Type

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

### Property Value

[string](#) ↗

# Class User

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Gitlab.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/users"

```
public class User
```

Inheritance

[object](#) ← User

Inherited Members

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

## Properties

AvatarUrl

```
[JsonProperty(PropertyName = "avatar_url")]
public string AvatarUrl { get; set; }
```

Property Value

[string](#)

Bio

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

Property Value

[string](#)

## Bot

```
public bool Bot { get; set; }
```

### Property Value

[bool ↗](#)

## CreatedAt

```
[JsonProperty(PropertyName = "created_at")]
public DateTime CreatedAt { get; set; }
```

### Property Value

[DateTime ↗](#)

## Followers

```
public int Followers { get; set; }
```

### Property Value

[int ↗](#)

## Following

```
public int Following { get; set; }
```

### Property Value

[int ↗](#)

## Id

```
public int Id { get; set; }
```

### Property Value

[int](#)

## JobTitle

```
[JsonProperty(PropertyName = "job_title")]
public string JobTitle { get; set; }
```

### Property Value

[string](#)

## Linkedin

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

### Property Value

[string](#)

## LocalTime

```
[JsonProperty(PropertyName = "local_time")]
public DateTime LocalTime { get; set; }
```

### Property Value

[DateTime](#)

## Location

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

### Property Value

[string ↗](#)

## Name

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

### Property Value

[string ↗](#)

## Organization

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

### Property Value

[string ↗](#)

## Pronouns

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

### Property Value

[string ↗](#)

## PublicEmail

```
[JsonProperty(PropertyName = "public_email")]
public string PublicEmail { get; set; }
```

Property Value

[string](#) ↗

Skype

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

Property Value

[string](#) ↗

State

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

Property Value

[string](#) ↗

Twitter

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

Property Value

[string](#) ↗

Username

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

Property Value

[string](#)

## WebUrl

```
[JsonProperty(PropertyName = "web_url")]
public string WebUrl { get; set; }
```

Property Value

[string](#)

## WebsiteUrl

```
[JsonProperty(PropertyName = "website_url")]
public string WebsiteUrl { get; set; }
```

Property Value

[string](#)

## WorkInformation

```
[JsonProperty(PropertyName = "work_information")]
public string WorkInformation { get; set; }
```

Property Value

[string](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jenkins

## Classes

[JenkinsPipelineApiConnector](#)

[JenkinsPipelineApiConnector.JenkinsPipelineAdapterOptions](#)

# Class JenkinsPipelineApiConnector

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JenkinsPipelineApiConnector : ApiConnector,
    IDataLocationFileConnector<JenkinsPipelineDataLocationForm, JenkinsLocation,
    JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>, IDataLocationFileConnector,
    IDataLocationDataConnector<JenkinsPipelineDataLocationForm, JenkinsLocation,
    JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>,
    IDataLocationConnector<JenkinsPipelineDataLocationForm, JenkinsLocation,
    JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>, IDataLocationDataConnector,
    IDataLocationConnector, IFormAdapter, IDataLocationPreview<JenkinsPipelineDataLocationForm,
    JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>, IDataLocationPreview
```

## Inheritance

[object](#) ↗ ← [AdapterBase](#) ← [DataAdapterBase](#) ← [ApiConnector](#) ← JenkinsPipelineApiConnector

## Implements

[IDataLocationFileConnector<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>](#),  
[IDataLocationFileConnector](#),  
[IDataLocationDataConnector<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>](#),  
[IDataLocationConnector<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>](#),  
[IDataLocationDataConnector](#), [IDataLocationConnector](#), [IFormAdapter](#),  
[IDataLocationPreview<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>](#),  
[IDataLocationPreview](#)

## Inherited Members

[ApiConnector.DataSource](#) ,  
[ApiConnector.ExecuteCachedInForm<T>\(IFormContext<Form>, object\[\], Func<T>\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) ↗ , [object.Equals\(object\)](#) ↗ , [object.Equals\(object, object\)](#) ↗ ,  
[object.ReferenceEquals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ , [object.GetType\(\)](#) ↗ ,  
[object.MemberwiseClone\(\)](#) ↗

# Properties

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

## Property Value

[string](#) ↗

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

## Property Value

[string](#) ↗

## Version

```
public Version Version { get; }
```

## Property Value

[Version](#) ↗

# Methods

CheckDataLocationModified(DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>)

```
public bool  
CheckDataLocationModified(DataLocationConnectorContext<JenkinsPipelineDataLocationForm,  
JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo> context)
```

Parameters

context [DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>](#)

Returns

[bool](#)

CreatePreview(DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>, string, out int)

```
public FormPreview[]  
CreatePreview(DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation,  
JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo> context, string preview, out  
int totalCount)
```

Parameters

context [DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>](#)

preview [string](#)

totalCount [int](#)

Returns

[FormPreview\[\]](#)

## FilterBuilds(Build[], LoadType[], long?, long?)

```
protected static Build[] FilterBuilds(Build[] builds,
JenkinsPipelineDataLocationForm.LoadType[] loadTypes, long? unixStartDate = null, long?
unixEndDate = null)
```

### Parameters

builds [Build\[\]](#)

loadTypes [LoadType\[\]](#)

unixStartDate [long](#)?

unixEndDate [long](#)?

### Returns

[Build\[\]](#)

## GetContentStream(DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>, FileContent<JenkinsLocation, JenkinsPipelineIdentifier>, out string)

```
public Stream GetContentStream(DataLocationConnectorContext<JenkinsPipelineDataLocationForm,
JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo> context,
FileContent<JenkinsLocation, JenkinsPipelineIdentifier> content, out string error)
```

### Parameters

context [DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>](#)

content [FileContent<JenkinsLocation, JenkinsPipelineIdentifier>](#)

error [string](#)

Returns

[Stream ↗](#)

GetDataLocationContentData(DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>, DataContent<JenkinsLocation, JenkinsPipelineIdentifier>, bool)

```
public DataLocationContentDataResult  
GetDataLocationContentData(DataLocationConnectorContext<JenkinsPipelineDataLocationForm,  
JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo> context,  
DataContent<JenkinsLocation, JenkinsPipelineIdentifier> content, bool importFindings)
```

Parameters

context [DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>](#)

content [DataContent<JenkinsLocation, JenkinsPipelineIdentifier>](#)

importFindings [bool ↗](#)

Returns

[DataLocationContentDataResult](#)

GetDataLocationContents(DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>)

```
public DataLocationContentResult<JenkinsLocation, JenkinsPipelineIdentifier,  
JenkinsPipelineLoadInfo>  
GetDataLocationContents(DataLocationConnectorContext<JenkinsPipelineDataLocationForm,  
JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo> context)
```

Parameters

```
context DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>
```

Returns

```
DataLocationContentResult<JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>
```

GetFilterDateRange(JenkinsPipelineDataLocationForm,  
DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier,  
JenkinsPipelineLoadInfo>, out long?, out long?)

```
protected void GetFilterDateRange(JenkinsPipelineDataLocationForm form,  
DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation,  
JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo> context, out long? unixStartDate, out  
long? unixEndDate)
```

Parameters

form [JenkinsPipelineDataLocationForm](#)

```
context DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>
```

unixStartDate [long](#)?

unixEndDate [long](#)?

GetRelatedContents(DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation,  
JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>,  
FileContent<JenkinsLocation, JenkinsPipelineIdentifier>,  
RelatedContentRequest[])

```
public IFileContent[]  
GetRelatedContents(DataLocationConnectorContext<JenkinsPipelineDataLocationForm,  
JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>
```

```
context, FileContent<JenkinsLocation, JenkinsPipelineIdentifier> content,  
RelatedContentRequest[] relatedContentRequests)
```

## Parameters

context [DataLocationConnectorContext<JenkinsPipelineDataLocationForm, JenkinsLocation, JenkinsPipelineIdentifier, JenkinsPipelineLoadInfo>](#)

content [FileContent<JenkinsLocation, JenkinsPipelineIdentifier>](#)

relatedContentRequests [RelatedContentRequest\[\]](#)

## Returns

[IFileContent\[\]](#)

# Class JenkinsPipelineApiConnector.JenkinsPipelineAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JenkinsPipelineApiConnector.JenkinsPipelineAdapterOptions  
: ApiConnectorAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [ApiConnectorAdapterOptions](#) ←  
JenkinsPipelineApiConnector.JenkinsPipelineAdapterOptions

## Inherited Members

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

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jenkins.Contents

## Classes

[JenkinsLocation](#)

[JenkinsPipelineIdentifier](#)

[JenkinsPipelineLoadInfo](#)

# Class JenkinsLocation

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JenkinsLocation : ContentLocationBase
```

## Inheritance

[object](#) ← [ContentLocationBase](#) ← JenkinsLocation

## Inherited Members

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

# Properties

## JobName

```
[JsonProperty("j")]
public string JobName { get; set; }
```

## Property Value

[string](#)

## Url

```
[JsonProperty("u")]
public string Url { get; set; }
```

## Property Value

[string](#)

# Class JenkinsPipelineIdentifier

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JenkinsPipelineIdentifier : IContentIdentifier
```

## Inheritance

[object](#) ← JenkinsPipelineIdentifier

## Implements

[IContentIdentifier](#)

## Inherited Members

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

## Properties

### ArtifactPath

```
[JsonProperty("a")]
public string ArtifactPath { get; set; }
```

### Property Value

[string](#)

### BuildId

```
[JsonProperty("b")]
public long BuildId { get; set; }
```

### Property Value

[long ↗](#)

# Class JenkinsPipelineLoadInfo

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JenkinsPipelineLoadInfo : LoadInfoBase
```

## Inheritance

[object](#) ← [LoadInfoBase](#) ← JenkinsPipelineLoadInfo

## Inherited Members

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

# Properties

## DateTime

```
[JsonProperty("d")]
public DateTime? DateTime { get; set; }
```

## Property Value

[DateTime](#)?

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jenkins.Forms

## Classes

[JenkinsPipelineDataLocationForm](#)

## Enums

[JenkinsPipelineDataLocationForm.LoadType](#)

# Class JenkinsPipelineDataLocationForm

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Forms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JenkinsPipelineDataLocationForm : ApiDataLocationFormBase
```

## Inheritance

[object](#) ← [Form](#) ← [DataLocationFormBase](#) ← [ApiDataLocationFormBase](#) ←

JenkinsPipelineDataLocationForm

## Inherited Members

[ApiDataLocationFormBase.Url](#) , [ApiDataLocationFormBase.ClientCertificateEnabled](#) ,  
[ApiDataLocationFormBase.ClientCertificate](#) ,  
[DataLocationFormBase.GetHash\(ConnectorSettings, IDataLocationConnector\)](#) , [Form.Type](#) ,  
[Form.FormSchema](#) , [Form.FormHash](#) , [Form.Errors](#) , [Form.AddFieldError\(string, string, string\)](#) ,  
[Form.AddError\(string, string, string\)](#) , [Form.RemoveError\(string\)](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### ApiToken

```
[JsonProperty(Required = Required.Always, Order = 5)]  
[Validation(typeof(AuthenticationValidator), new string[] { "Url=Url", "UserName=UserName",  
"ApiClient=ApiClient", "ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]  
public string ApiToken { get; set; }
```

### Property Value

[string](#)

### FilterDateFrom

```
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "UserName=UserName",  
"ApiToken=ApiToken", "ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]  
public DateFilter FilterDateFrom { get; set; }
```

Property Value

[DateFilter](#)

## FilterDateTo

```
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "UserName=UserName",  
"ApiToken=ApiToken", "ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]  
public DateFilter FilterDateTo { get; set; }
```

Property Value

[DateFilter](#)

## Jobs

```
[JsonProperty(Required = Required.Always, Order = 6)]  
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "UserName=UserName",  
"ApiToken=ApiToken", "ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]  
[Validation(typeof(JobsDuplicateValidator), new string[] { "Items=Jobs"  
}, AssistanceExecution.Always)]  
[Validation(typeof(JobsArtifactNameDuplicateValidator), new string[] { "Items=Jobs",  
"LoadTypes=LoadTypes" }, AssistanceExecution.Always)]  
public JobWithArtifact[] Jobs { get; set; }
```

Property Value

[JobWithArtifact\[\]](#)

## LoadTypes

```
[JsonProperty(Required = Required.Always, Order = 7)]
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "UserName=UserName",
"ApiToken=ApiToken", "ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]
public JenkinsPipelineDataLocationForm.LoadType[] LoadTypes { get; set; }
```

Property Value

[LoadType\[\]](#)

## UseBuildFinishedTimeAsReportDateTime

```
[JsonProperty(Order = 999)]
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url", "UserName=UserName",
"ApiToken=ApiToken", "ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]
public bool UseBuildFinishedTimeAsReportDateTime { get; set; }
```

Property Value

[bool](#)

## UserName

```
[JsonProperty(Required = Required.Always, Order = 4)]
public string UserName { get; set; }
```

Property Value

[string](#)

## Methods

### CreateHashSource(ConnectorSettings)

```
protected override string CreateHashSource(ConnectorSettings connectorSettings)
```

Parameters

`connectorSettings` [ConnectorSettings](#)

Returns

[string](#) ↗

# Enum JenkinsPipelineDataLocationForm.LoadType

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Forms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {
    JenkinsPipelineDataLocationForm.LoadType.Artifacts })]
public enum JenkinsPipelineDataLocationForm.LoadType
```

## Fields

Artifacts = 0

TestReports = 1

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jenkins.Forms.Augmenters Classes

[ApiAugmenterBase<TFieldAttribute>](#)

[ArtifactNameVisibleInTableAugmenter](#)

[JobNameOptionsAugmenter](#)

[VisibleAugmenter](#)

# Class ApiAugmenterBase<TFieldAttribute>

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ApiAugmenterBase<TFieldAttribute> :  
    FormFieldAugmenter<JenkinsPipelineApiConnector, TFieldAttribute>, IFormFieldAssistant where  
    TFieldAttribute : FieldAttributeBase
```

## Type Parameters

**TFieldAttribute**

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JenkinsPipelineApiConnector> ←  
FormFieldAugmenter<JenkinsPipelineApiConnector, TFieldAttribute> ←  
ApiAugmenterBase<TFieldAttribute>
```

## Implements

[IFormFieldAssistant](#)

## Derived

[JobNameOptionsAugmenter](#), [VisibleAugmenter](#)

## Inherited Members

```
FormFieldAugmenter<JenkinsPipelineApiConnector, TFieldAttribute>.Configure(IFieldAttribute),  
FormFieldAugmenter<JenkinsPipelineApiConnector,  
TFieldAttribute>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAugmenter<JenkinsPipelineApiConnector, TFieldAttribute>.Configure(TFieldAttribute),  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Adapter,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.FieldPath,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Context,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.ExecutionEnvironment,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Assistance,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Identifier,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.CacheKey,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddFieldError(string),  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddError(string, string),  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddErrorFromResponse(RestResponse, string),
```

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

## Properties

### ApiToken

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

#### Property Value

[string](#)

### ClientCertificate

```
public ClientCertificate ClientCertificate { get; set; }
```

#### Property Value

[ClientCertificate](#)

### Url

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

#### Property Value

[string](#)

### UserName

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

## Property Value

[string ↗](#)

# Class ArtifactNameVisibleInTableAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ArtifactNameVisibleInTableAugmenter : VisibleInTableAugmenter,  
IFormFieldAssistant
```

## Inheritance

```
object ↪ ← FormFieldAssistantBase<IFormAdapter> ←  
FormFieldAugmenter<IFormAdapter, FieldAttributeBase> ← VisibleInTableAugmenter ←  
ArtifactNameVisibleInTableAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

[VisibleInTableAugmenter.Visible](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure\(IFieldAttribute\)](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Adapter](#) , [FormFieldAssistantBase<IFormAdapter>.FolderPath](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Context](#) ,  
[FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Assistance](#) , [FormFieldAssistantBase<IFormAdapter>.Identifier](#) ,  
[FormFieldAssistantBase<IFormAdapter>.CacheKey](#) ,  
[FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddFieldError\(string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### LoadTypes

```
public JenkinsPipelineDataLocationForm.LoadType[] LoadTypes { get; set; }
```

Property Value

[LoadType\[\]](#)

## Methods

Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldConfig)
```

Parameters

**fieldConfig** [FieldAttributeBase](#)

# Class JobNameOptionsAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JobNameOptionsAugmenter : ApiAugmenterBase<SelectAttribute>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JenkinsPipelineApiConnector> ←
FormFieldAugmenter<JenkinsPipelineApiConnector, SelectAttribute> ←
ApiAugmenterBase<SelectAttribute> ← JobNameOptionsAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.UserName ,
ApiAugmenterBase<SelectAttribute>.ApiToken , ApiAugmenterBase<SelectAttribute>.ClientCertificate ,
FormFieldAugmenter<JenkinsPipelineApiConnector, SelectAttribute>.Configure(IFieldAttribute) ,
FormFieldAugmenter<JenkinsPipelineApiConnector,
SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAugmenter<JenkinsPipelineApiConnector, SelectAttribute>.Configure(SelectAttribute) ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Adapter ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.FieldPath ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Context ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.ExecutionEnvironment ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Assistance ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Identifier ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.CacheKey ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddFieldError(string) ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddError(string, string) ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddErrorFromResponse(RestResponse, string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

# Methods

## Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

### Parameters

fieldConfig [SelectAttribute](#)

# Class VisibleAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class VisibleAugmenter : ApiAugmenterBase<FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

```
object ↩ ← FormFieldAssistantBase<JenkinsPipelineApiConnector> ←  
FormFieldAugmenter<JenkinsPipelineApiConnector, FieldAttributeBase> ←  
ApiAugmenterBase<FieldAttributeBase> ← VisibleAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<FieldAttributeBase>.Url , ApiAugmenterBase<FieldAttributeBase>.UserName ,  
ApiAugmenterBase<FieldAttributeBase>.ApiToken ,  
ApiAugmenterBase<FieldAttributeBase>.ClientCertificate ,  
FormFieldAugmenter<JenkinsPipelineApiConnector, FieldAttributeBase>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<JenkinsPipelineApiConnector> ,  
FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<JenkinsPipelineApiConnector, FieldAttributeBase>.Configure(FieldAttributeBase) ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Adapter ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.FieldPath ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Context ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Assistance ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Identifier ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.CacheKey ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddError(string, string) ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↩ , object.Equals(object) ↩ , object.Equals(object, object) ↩ ,  
object.ReferenceEquals(object, object) ↩ , object.GetHashCode() ↩ , object.GetType() ↩ ,  
object.MemberwiseClone() ↩
```

# Methods

## Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldSchema)
```

### Parameters

fieldSchema [FieldAttributeBase](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jenkins.Forms.SubForms Classes

[Job](#)

[JobWithArtifact](#)

# Class Job

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Job
```

## Inheritance

[object](#) ← Job

## Derived

[JobWithArtifact](#)

## Inherited Members

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

# Properties

## Name

```
[JsonProperty(Required = Required.Always)]
[Augmentation(typeof(JobNameOptionsAugmenter), new string[] { "Url=../Url",
    "UserName=../UserName", "ApiToken=../ApiToken", "ClientCertificate=../ClientCertificate"
}, AssistanceExecution.Frontend)]
[Validation(typeof(JobValidator), new string[] { "Url=../Url", "UserName=../UserName",
    "ApiToken=../ApiToken", "ClientCertificate=../ClientCertificate", "JobName=Name"
}, AssistanceExecution.Backend)]
public string Name { get; set; }
```

## Property Value

[string](#)

# Class JobWithArtifact

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JobWithArtifact : Job
```

## Inheritance

[object](#) ← [Job](#) ← JobWithArtifact

## Inherited Members

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

# Properties

## ArtifactName

```
[JsonProperty(Required = Required.Always, NullValueHandling = NullValueHandling.Ignore)]  
[Augmentation(typeof(ArtifactNameVisibleInTableAugmenter), new string[] {  
    "LoadTypes=../LoadTypes" }, AssistanceExecution.Always)]  
public string ArtifactName { get; set; }
```

## Property Value

[string](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jenkins.Forms.Validators Classes

[ApiValidatorBase<TFieldAttribute>](#)

[AuthenticationValidator](#)

[JobValidator](#)

[JobsArtifactNameDuplicateValidator](#)

[JobsDuplicateValidator](#)

# Class ApiValidatorBase<TFieldAttribute>

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Forms.Validators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ApiValidatorBase<TFieldAttribute> :  
    FormFieldValidator<JenkinsPipelineApiConnector, TFieldAttribute>, IFormFieldAssistant where  
    TFieldAttribute : FieldAttributeBase
```

## Type Parameters

[TFieldAttribute](#)

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JenkinsPipelineApiConnector> ←  
FormFieldValidator<JenkinsPipelineApiConnector, TFieldAttribute> ← ApiValidatorBase<TFieldAttribute>
```

## Implements

[IFormFieldAssistant](#)

## Derived

[AuthenticationValidator](#), [JobValidator](#)

## Inherited Members

```
FormFieldValidator<JenkinsPipelineApiConnector, TFieldAttribute>.Validate(IFieldAttribute),  
FormFieldValidator<JenkinsPipelineApiConnector, TFieldAttribute>.InitializeCacheKey(FieldAttributeBase),  
  
FormFieldValidator<JenkinsPipelineApiConnector, TFieldAttribute>.Validate(TFieldAttribute),  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Adapter,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.FieldPath,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Context,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.ExecutionEnvironment,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Assistance,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Identifier,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.CacheKey,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddFieldError(string),  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddError(string, string),  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddErrorFromResponse(RestResponse, string),  
object.ToString() ↗, object.Equals(object) ↗, object.Equals(object, object) ↗,
```

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

## Properties

### ApiToken

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

#### Property Value

[string](#)

### ClientCertificate

```
public ClientCertificate ClientCertificate { get; set; }
```

#### Property Value

[ClientCertificate](#)

### Url

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

#### Property Value

[string](#)

### UserName

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

## Property Value

[string](#) ↗

# Class AuthenticationValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.FormsValidators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class AuthenticationValidator : ApiValidatorBase<FieldAttributeBase>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JenkinsPipelineApiConnector> ←
FormFieldValidator<JenkinsPipelineApiConnector, FieldAttributeBase> ←
ApiValidatorBase<FieldAttributeBase> ← AuthenticationValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiValidatorBase<FieldAttributeBase>.Url , ApiValidatorBase<FieldAttributeBase>.UserName ,
ApiValidatorBase<FieldAttributeBase>.ApiToken ,
ApiValidatorBase<FieldAttributeBase>.ClientCertificate ,
FormFieldValidator<JenkinsPipelineApiConnector, FieldAttributeBase>.Validate(IFieldAttribute) ,
FormFieldValidator<JenkinsPipelineApiConnector,
FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldValidator<JenkinsPipelineApiConnector, FieldAttributeBase>.Validate(FieldAttributeBase) ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Adapter ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.FieldPath ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Context ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.ExecutionEnvironment ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Assistance ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Identifier ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.CacheKey ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddFieldError(string) ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddError(string, string) ,
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddErrorFromResponse(RestResponse, string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

# Methods

## Validate(FieldAttributeBase)

```
public override bool Validate(FieldAttributeBase fieldConfig)
```

### Parameters

**fieldConfig** [FieldAttributeBase](#)

### Returns

[bool](#) ↗

# Class JobValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Forms.Validators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JobValidator : ApiValidatorBase<FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

```
object ↩ ← FormFieldAssistantBase<JenkinsPipelineApiConnector> ←  
FormFieldValidator<JenkinsPipelineApiConnector, FieldAttributeBase> ←  
ApiValidatorBase<FieldAttributeBase> ← JobValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiValidatorBase<FieldAttributeBase>.Url , ApiValidatorBase<FieldAttributeBase>.UserName ,  
ApiValidatorBase<FieldAttributeBase>.ApiToken ,  
ApiValidatorBase<FieldAttributeBase>.ClientCertificate ,  
FormFieldValidator<JenkinsPipelineApiConnector, FieldAttributeBase>.Validate(IFieldAttribute) ,  
FormFieldValidator<JenkinsPipelineApiConnector> ,  
FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldValidator<JenkinsPipelineApiConnector, FieldAttributeBase>.Validate(FieldAttributeBase) ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Adapter ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.FieldPath ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Context ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Assistance ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.Identifier ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.CacheKey ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddError(string, string) ,  
FormFieldAssistantBase<JenkinsPipelineApiConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↩ , object.Equals(object) ↩ , object.Equals(object, object) ↩ ,  
object.ReferenceEquals(object, object) ↩ , object.GetHashCode() ↩ , object.GetType() ↩ ,  
object.MemberwiseClone() ↩
```

# Properties

## JobName

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

## Property Value

[string](#) ↗

# Methods

## Validate(FieldAttributeBase)

```
public override bool Validate(FieldAttributeBase fieldConfig)
```

## Parameters

[fieldConfig](#) [FieldAttributeBase](#)

## Returns

[bool](#) ↗

# Class JobsArtifactNameDuplicateValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Forms.Validators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JobsArtifactNameDuplicateValidator : DuplicateValidatorBase<JobWithArtifact>,  
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<IFormAdapter> ←  
FormFieldValidator<IFormAdapter, FieldAttributeBase> ← DuplicateValidatorBase<JobWithArtifact> ←  
JobsArtifactNameDuplicateValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
DuplicateValidatorBase<JobWithArtifact>.Items ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate(IFieldAttribute) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate(FieldAttributeBase) ,  
FormFieldAssistantBase<IFormAdapter>.Adapter , FormFieldAssistantBase<IFormAdapter>.FolderPath ,  
FormFieldAssistantBase<IFormAdapter>.Context ,  
FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment ,  
FormFieldAssistantBase<IFormAdapter>.Assistance , FormFieldAssistantBase<IFormAdapter>.Identifier ,  
FormFieldAssistantBase<IFormAdapter>.CacheKey ,  
FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<IFormAdapter>.AddFieldError(string) ,  
FormFieldAssistantBase<IFormAdapter>.AddError(string, string) ,  
FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString()↗ , object.Equals(object)↗ , object.Equals(object, object)↗ ,  
object.ReferenceEquals(object, object)↗ , object.GetHashCode()↗ , object.GetType()↗ ,  
object.MemberwiseClone()↗
```

## Properties

### LoadTypes

```
public JenkinsPipelineDataLocationForm.LoadType[] LoadTypes { get; set; }
```

Property Value

[LoadType\[\]](#)

## Methods

### GetItemLabel(JobWithArtifact)

```
protected override string GetItemLabel(JobWithArtifact job)
```

Parameters

**job** [JobWithArtifact](#)

Returns

[string](#) ↗

### GetLabel(FieldAttributeBase)

```
protected override string GetLabel(FieldAttributeBase fieldConfig)
```

Parameters

**fieldConfig** [FieldAttributeBase](#)

Returns

[string](#) ↗

### Validate(FieldAttributeBase)

```
public override bool Validate(FieldAttributeBase fieldConfig)
```

Parameters

**fieldConfig** [FieldAttributeBase](#)

Returns

[bool](#)

# Class JobsDuplicateValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Forms.Validators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JobsDuplicateValidator : DuplicateValidatorBase<Job>, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<IFormAdapter> ←  
FormFieldValidator<IFormAdapter, FieldAttributeBase> ← DuplicateValidatorBase<Job> ←  
JobsDuplicateValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
DuplicateValidatorBase<Job>.Items , DuplicateValidatorBase<Job>.Validate(FieldAttributeBase) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate(IFieldAttribute) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate(FieldAttributeBase) ,  
FormFieldAssistantBase<IFormAdapter>.Adapter , FormFieldAssistantBase<IFormAdapter>.FieldPath ,  
FormFieldAssistantBase<IFormAdapter>.Context ,  
FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment ,  
FormFieldAssistantBase<IFormAdapter>.Assistance , FormFieldAssistantBase<IFormAdapter>.Identifier ,  
FormFieldAssistantBase<IFormAdapter>.CacheKey ,  
FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<IFormAdapter>.AddFieldError(string) ,  
FormFieldAssistantBase<IFormAdapter>.AddError(string, string) ,  
FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

## Methods

[GetItemLabel\(Job\)](#)

```
protected override string GetItemLabel(Job job)
```

Parameters

job [Job](#)

Returns

[string](#) ↗

## GetLabel(FieldAttributeBase)

```
protected override string GetLabel(FieldAttributeBase fieldConfig)
```

Parameters

fieldConfig [FieldAttributeBase](#)

Returns

[string](#) ↗

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jenkins.Response Classes

[Build](#)

[Build.BuildAction](#)

[Build.BuildArtifact](#)

[BuildResponse](#)

[Job](#)

[JobResponse](#)

[TestReport](#)

Result of one item in "/job/{job}/{id}/testReport/api/json?tree=\*" request.

# Class Build

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Build
```

## Inheritance

[object](#) ← Build

## Inherited Members

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

# Properties

## Actions

```
public Build.BuildAction[] Actions { get; set; }
```

## Property Value

[BuildAction\[\]](#)

## Artifacts

```
public Build.BuildArtifact[] Artifacts { get; set; }
```

## Property Value

[BuildArtifact\[\]](#)

## FullDisplayName

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

Property Value

[string](#)

Id

```
public long Id { get; set; }
```

Property Value

[long](#)

JobName

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

Property Value

[string](#)

Result

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

Property Value

[string](#)

Timestamp

```
public long Timestamp { get; set; }
```

Property Value

[long](#) ↗

Url

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

Property Value

[string](#) ↗

# Class Build.BuildAction

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Build.BuildAction
```

## Inheritance

[object](#) ← Build.BuildAction

## Inherited Members

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

# Properties

## Class

```
[JsonProperty(PropertyName = "_class")]
public string Class { get; set; }
```

## Property Value

[string](#)

# Class Build.BuildArtifact

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Build.BuildArtifact
```

## Inheritance

[object](#) ← Build.BuildArtifact

## Inherited Members

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

# Properties

## RelativePath

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

## Property Value

[string](#)

# Class BuildResponse

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class BuildResponse
```

## Inheritance

[object](#) ← BuildResponse

## Inherited Members

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

# Properties

## Builds

```
public Build[] Builds { get; set; }
```

## Property Value

[Build\[\]](#)

# Class Job

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Job
```

## Inheritance

[object](#) ← Job

## Inherited Members

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

# Properties

## Name

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

## Property Value

[string](#)

# Class JobResponse

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JobResponse
```

## Inheritance

[object](#) ← JobResponse

## Inherited Members

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

# Properties

## Jobs

```
public Job[] Jobs { get; set; }
```

## Property Value

[Job\[\]](#)

# Class TestReport

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jenkins.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of one item in "/job/{job}/{id}/testReport/api/json?tree=\*" request.

```
public class TestReport
```

## Inheritance

[object](#) ← TestReport

## Inherited Members

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

## Properties

### Duration

```
public double Duration { get; set; }
```

### Property Value

[double](#)

### FailCount

```
public int FailCount { get; set; }
```

### Property Value

[int](#)

## PassCount

```
public int PassCount { get; set; }
```

Property Value

[int ↗](#)

## SkipCount

```
public int SkipCount { get; set; }
```

Property Value

[int ↗](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jfrog

## Classes

[JfrogArtifactoryArtifactsApiConnector](#)

[JfrogArtifactoryArtifactsApiConnector.JfrogArtifactoryArtifactsAdapterOptions](#)

# Class JfrogArtifactoryArtifactsApiConnector

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JfrogArtifactoryArtifactsApiConnector : ApiConnector,
    IDataLocationFileConnector<JfrogArtifactoryArtifactsDataLocationForm,
    JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier,
    JfrogArtifactoryArtifactsLoadInfo>,
    IDataLocationConnector<JfrogArtifactoryArtifactsDataLocationForm,
    JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier,
    JfrogArtifactoryArtifactsLoadInfo>, IDataLocationFileConnector, IDataLocationConnector,
    IFormAdapter, IDataLocationPreview<JfrogArtifactoryArtifactsDataLocationForm,
    JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier,
    JfrogArtifactoryArtifactsLoadInfo>, IDataLocationPreview
```

## Inheritance

[object](#) ↗ ← [AdapterBase](#) ← [DataAdapterBase](#) ← [ApiConnector](#) ← JfrogArtifactoryArtifactsApiConnector

## Implements

[IDataLocationFileConnector<JfrogArtifactoryArtifactsDataLocationForm, JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier, JfrogArtifactoryArtifactsLoadInfo>](#),  
[IDataLocationConnector<JfrogArtifactoryArtifactsDataLocationForm, JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier, JfrogArtifactoryArtifactsLoadInfo>](#),  
[IDataLocationFileConnector](#), [IDataLocationConnector](#), [IFormAdapter](#),  
[IDataLocationPreview<JfrogArtifactoryArtifactsDataLocationForm, JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier, JfrogArtifactoryArtifactsLoadInfo>](#),  
[IDataLocationPreview](#)

## Inherited Members

[ApiConnector.DataSource](#) ,  
[ApiConnector.ExecuteCachedInForm<T>\(IFormContext<Form>, object\[\], Func<T>\)](#) . ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDate\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) ↗ , [object.Equals\(object\)](#) ↗ , [object.Equals\(object, object\)](#) ↗ ,  
[object.ReferenceEquals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ , [object.GetType\(\)](#) ↗ ,  
[object.MemberwiseClone\(\)](#) ↗

# Properties

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

## Version

```
public Version Version { get; }
```

### Property Value

[Version](#)

## Methods

CheckDataLocationModified(DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationForm,  
JfrogArtifactoryArtifactsLocation,  
JfrogArtifactoryArtifactsIdentifier,  
JfrogArtifactoryArtifactsLoadInfo>)

```
public bool  
CheckDataLocationModified(DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocation  
Form, JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier,  
JfrogArtifactoryArtifactsLoadInfo> context)
```

Parameters

context [DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationForm, JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier, JfrogArtifactoryArtifactsLoadInfo>](#)

Returns

[bool](#)

CreatePreview(DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationForm, JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier, JfrogArtifactoryArtifactsLoadInfo>, string, out int)

```
public FormPreview[]  
CreatePreview(DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationForm,  
JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier,  
JfrogArtifactoryArtifactsLoadInfo> context, string preview, out int totalCount)
```

Parameters

context [DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationForm, JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier, JfrogArtifactoryArtifactsLoadInfo>](#)

preview [string](#)

`totalCount` [int](#)

Returns

[FormPreview](#)[]

`GetContentStream(DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationForm,  
JfrogArtifactoryArtifactsLocation,  
JfrogArtifactoryArtifactsIdentifier,  
JfrogArtifactoryArtifactsLoadInfo>,  
FileContent<JfrogArtifactoryArtifactsLocation,  
JfrogArtifactoryArtifactsIdentifier>, out string)`

```
public Stream  
GetContentStream(DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationForm,  
JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier,  
JfrogArtifactoryArtifactsLoadInfo> context, FileContent<JfrogArtifactoryArtifactsLocation,  
JfrogArtifactoryArtifactsIdentifier> content, out string error)
```

Parameters

`context` [DataLocationConnectorContext](#)<[JfrogArtifactoryArtifactsDataLocationForm](#), [JfrogArtifactoryArtifactsLocation](#), [JfrogArtifactoryArtifactsIdentifier](#), [JfrogArtifactoryArtifactsLoadInfo](#)>

`content` [FileContent](#)<[JfrogArtifactoryArtifactsLocation](#), [JfrogArtifactoryArtifactsIdentifier](#)>

`error` [string](#)

Returns

[Stream](#)

`GetDataLocationContents(DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationForm,  
JfrogArtifactoryArtifactsLocation,`

JfrogArtifactoryArtifactsIdentifier,  
JfrogArtifactoryArtifactsLoadInfo>)

```
public DataLocationContentResult<JfrogArtifactoryArtifactsLocation,  
JfrogArtifactoryArtifactsIdentifier, JfrogArtifactoryArtifactsLoadInfo>  
GetDataLocationContents(DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationFo  
rm, JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier,  
JfrogArtifactoryArtifactsLoadInfo> context)
```

Parameters

context [DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationForm, JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier, JfrogArtifactoryArtifactsLoadInfo>](#)

Returns

[DataLocationContentResult<JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier, JfrogArtifactoryArtifactsLoadInfo>](#)

GetRelatedContents(DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationForm,  
JfrogArtifactoryArtifactsLocation,  
JfrogArtifactoryArtifactsIdentifier,  
JfrogArtifactoryArtifactsLoadInfo>,  
FileContent<JfrogArtifactoryArtifactsLocation,  
JfrogArtifactoryArtifactsIdentifier>, RelatedContentRequest[]])

```
public IFileContent[]  
GetRelatedContents(DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationForm,  
JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier,  
JfrogArtifactoryArtifactsLoadInfo> context, FileContent<JfrogArtifactoryArtifactsLocation,  
JfrogArtifactoryArtifactsIdentifier> content, RelatedContentRequest[]  
relatedContentRequests)
```

Parameters

`context DataLocationConnectorContext<JfrogArtifactoryArtifactsDataLocationForm, JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier, JfrogArtifactoryArtifactsLoadInfo>`

`content FileContent<JfrogArtifactoryArtifactsLocation, JfrogArtifactoryArtifactsIdentifier>`

`relatedContentRequests RelatedContentRequest[]`

Returns

`IFileContent[]`

# Class JfrogArtifactoryArtifactsApiConnector.JfrogArtifactoryArtifactsAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog](#).

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JfrogArtifactoryArtifactsApiConnector.JfrogArtifactoryArtifactsAdapterOptions  
: ApiConnectorAdapterOptions
```

## Inheritance

```
object ← AdapterOptions ← ApiConnectorAdapterOptions ←  
JfrogArtifactoryArtifactsApiConnector.JfrogArtifactoryArtifactsAdapterOptions
```

## Inherited Members

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

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jfrog.Contents

## Classes

[JfrogArtifactoryArtifactsIdentifier](#)

[JfrogArtifactoryArtifactsLoadInfo](#)

[JfrogArtifactoryArtifactsLocation](#)

# Class JfrogArtifactoryArtifactsIdentifier

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JfrogArtifactoryArtifactsIdentifier : IContentIdentifier
```

## Inheritance

[object](#) ← JfrogArtifactoryArtifactsIdentifier

## Implements

[IContentIdentifier](#)

## Inherited Members

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

# Properties

## FileSize

```
[JsonProperty("s")]
public long FileSize { get; set; }
```

## Property Value

[long](#)

# Class JfrogArtifactoryArtifactsLoadInfo

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JfrogArtifactoryArtifactsLoadInfo : LoadInfoBase
```

## Inheritance

[object](#) ← [LoadInfoBase](#) ← JfrogArtifactoryArtifactsLoadInfo

## Inherited Members

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

## Properties

### DateTime

```
[JsonProperty("d")]
public DateTime? DateTime { get; set; }
```

### Property Value

[DateTime](#)?

## RepositoryContents

```
[JsonProperty("c")]
public HashSet<string> RepositoryContents { get; set; }
```

### Property Value

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

# Class JfrogArtifactoryArtifactsLocation

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JfrogArtifactoryArtifactsLocation : ContentLocationBase
```

## Inheritance

[object](#) ← [ContentLocationBase](#) ← JfrogArtifactoryArtifactsLocation

## Inherited Members

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

## Properties

### RepositoryKey

```
[JsonProperty("r")]
public string RepositoryKey { get; set; }
```

### Property Value

[string](#)

### Url

```
[JsonProperty("u")]
public string Url { get; set; }
```

### Property Value

[string](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jfrog.Forms

## Classes

[JfrogArtifactoryArtifactsDataLocationForm](#)

# Class JfrogArtifactoryArtifactsDataLocationForm

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Forms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JfrogArtifactoryArtifactsDataLocationForm : ApiDataLocationFormBase
```

## Inheritance

```
object ↗ ← Form ← DataLocationFormBase ← ApiDataLocationFormBase ←  
JfrogArtifactoryArtifactsDataLocationForm
```

## Inherited Members

```
ApiDataLocationFormBase.Url , ApiDataLocationFormBase.ClientCertificateEnabled ,  
ApiDataLocationFormBase.ClientCertificate ,  
DataLocationFormBase.GetHash(ConnectorSettings, IDataLocationConnector) ,  
DataLocationFormBase.CreateHashSource(ConnectorSettings) , Form.Type , Form.FormSchema ,  
Form.FormHash , Form.Errors , Form.AddFieldError(string, string, string) ,  
Form.AddError(string, string, string) , Form.RemoveError(string) , object.ToString() ↗ ,  
object.Equals(object) ↗ , object.Equals(object, object) ↗ , object.ReferenceEquals(object, object) ↗ ,  
object.GetHashCode() ↗ , object.GetType() ↗ , object.MemberwiseClone() ↗
```

## Properties

### DownloadRedirects

```
[JsonProperty(Order = 5)]  
public bool DownloadRedirects { get; set; }
```

### Property Value

[bool](#) ↗

### FileFilters

```
[JsonProperty(Required = Required.Always, Order = 7)]
[Augmentation(typeof(VisibleAugmenter), new string[] { "Url=Url",
"IdentityToken=IdentityToken", "ClientCertificate=ClientCertificate",
"ProjectRepositories=ProjectRepositories" }, AssistanceExecution.Always)]
public FileFilter[] FileFilters { get; set; }
```

Property Value

[FileFilter\[\]](#)

## IdentityToken

```
[JsonProperty(Required = Required.Always, Order = 4)]
[Validation(typeof(AuthenticationValidator), new string[] { "Url=Url",
"IdentityToken=IdentityToken", "ClientCertificate=ClientCertificate"
}, AssistanceExecution.Always)]
public string IdentityToken { get; set; }
```

Property Value

[string](#)

## ProjectRepositories

```
[JsonProperty(Required = Required.Always, Order = 6)]
[Augmentation(typeof(ProjectRepositoryVisibleAugmenter), new string[] {
"Url=Url", "IdentityToken=IdentityToken", "ClientCertificate=ClientCertificate"
}, AssistanceExecution.Always)]
[Validation(typeof(ProjectRepositoriesDuplicateValidator), new string[] {
"Items=ProjectRepositories" }, AssistanceExecution.Frontend)]
public ProjectRepository[] ProjectRepositories { get; set; }
```

Property Value

[ProjectRepository\[\]](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jfrog.Forms.Augmenters Classes

[ApiAugmenterBase<TFieldAttribute>](#)

[ProjectKeyOptionsAugmenter](#)

[ProjectRepositoryVisibleAugmenter](#)

[RepositoryKeyOptionsAugmenter](#)

[VisibleAugmenter](#)

# Class ApiAugmenterBase<TFieldAttribute>

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ApiAugmenterBase<TFieldAttribute> :  
    FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector, TFieldAttribute>,  
    IFormFieldAssistant where TFieldAttribute : FieldAttributeBase
```

## Type Parameters

**TFieldAttribute**

## Inheritance

```
object ↵ ← FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector> ←  
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector, TFieldAttribute> ←  
ApiAugmenterBase<TFieldAttribute>
```

## Implements

[IFormFieldAssistant](#)

## Derived

[ProjectKeyOptionsAugmenter](#), [ProjectRepositoryVisibleAugmenter](#), [RepositoryKeyOptionsAugmenter](#),  
[VisibleAugmenter](#)

## Inherited Members

```
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector, TFieldAttribute>.Configure(IFieldAttribute),  
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector,  
TFieldAttribute>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector, TFieldAttribute>.Configure(TFieldAttribute),  
,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Adapter,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.FieldPath,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Context,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.ExecutionEnvironment,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Assistance,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Identifier,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.CacheKey,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddFieldError(string),
```

[FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### ClientCertificate

```
public ClientCertificate ClientCertificate { get; set; }
```

#### Property Value

[ClientCertificate](#)

### IdentityToken

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

#### Property Value

[string](#)

### Url

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

#### Property Value

[string](#)

# Class ProjectKeyOptionsAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectKeyOptionsAugmenter : ApiAugmenterBase<SelectAttribute>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector> ←
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector, SelectAttribute> ←
ApiAugmenterBase<SelectAttribute> ← ProjectKeyOptionsAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.IdentityToken ,
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector, SelectAttribute>.Configure(IFieldAttribute) ,
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector,
SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector, SelectAttribute>.Configure(SelectAttribute) ,
' ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Adapter ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.FieldPath ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Context ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.ExecutionEnvironment ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Assistance ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Identifier ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.CacheKey ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddFieldError(string) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddError(string, string) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddErrorFromResponse(RestResponse,
string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

# Methods

## Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

### Parameters

fieldConfig [SelectAttribute](#)

# Class ProjectRepositoryVisibleAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectRepositoryVisibleAugmenter : ApiAugmenterBase<FieldAttributeBase>,  
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector> ←  
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector, FieldAttributeBase> ←  
ApiAugmenterBase<FieldAttributeBase> ← ProjectRepositoryVisibleAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<FieldAttributeBase>.Url , ApiAugmenterBase<FieldAttributeBase>.IdentityToken ,  
ApiAugmenterBase<FieldAttributeBase>.ClientCertificate ,  
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector,>  
FieldAttributeBase>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector,>  
FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector,>  
FieldAttributeBase>.Configure(FieldAttributeBase) ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Adapter ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.FieldPath ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Context ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Assistance ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Identifier ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.CacheKey ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddError(string, string) ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddErrorFromResponse(RestResponse,  
string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
```

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

## Methods

### Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldSchema)
```

#### Parameters

fieldSchema [FieldAttributeBase](#)

# Class RepositoryKeyOptionsAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class RepositoryKeyOptionsAugmenter : ApiAugmenterBase<SelectAttribute>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector> ←
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector, SelectAttribute> ←
ApiAugmenterBase<SelectAttribute> ← RepositoryKeyOptionsAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.IdentityToken ,
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector, SelectAttribute>.Configure(IFieldAttribute) ,
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector,
SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector, SelectAttribute>.Configure(SelectAttribute) ,
' ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Adapter ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.FieldPath ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Context ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.ExecutionEnvironment ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Assistance ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Identifier ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.CacheKey ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddFieldError(string) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddError(string, string) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddErrorFromResponse(RestResponse,
string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

# Properties

## ProjectKey

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

### Property Value

[string](#) ↗

# Methods

## Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

### Parameters

[fieldConfig](#) [SelectAttribute](#)

# Class VisibleAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class VisibleAugmenter : ApiAugmenterBase<FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector> ←  
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector, FieldAttributeBase> ←  
ApiAugmenterBase<FieldAttributeBase> ← VisibleAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<FieldAttributeBase>.Url , ApiAugmenterBase<FieldAttributeBase>.IdentityToken ,  
ApiAugmenterBase<FieldAttributeBase>.ClientCertificate ,  
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector ,  
FieldAttributeBase>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector ,  
FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<JfrogArtifactoryArtifactsApiConnector ,  
FieldAttributeBase>.Configure(FieldAttributeBase) ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Adapter ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.FieldPath ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Context ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Assistance ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Identifier ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.CacheKey ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddError(string, string) ,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddErrorFromResponse(RestResponse ,  
string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

# Properties

## ProjectRepositories

```
public ProjectRepository[] ProjectRepositories { get; set; }
```

Property Value

[ProjectRepository\[\]](#)

# Methods

## Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldSchema)
```

Parameters

**fieldSchema** [FieldAttributeBase](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jfrog.Forms.SubForms

## Classes

[FileFilter](#)

[ProjectRepository](#)

# Class FileFilter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class FileFilter
```

## Inheritance

[object](#) ← FileFilter

## Inherited Members

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

# Properties

## Apply

```
public bool Apply { get; set; }
```

### Property Value

[bool](#)

## Regex

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

### Property Value

[string](#)

# Class ProjectRepository

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectRepository
```

## Inheritance

[object](#) ← ProjectRepository

## Inherited Members

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

# Properties

## ProjectKey

```
[JsonProperty(Required = Required.Always)]
[Augmentation(typeof(ProjectKeyOptionsAugmenter), new string[] { "Url=../Url",
    "IdentityToken=../IdentityToken", "ClientCertificate=../ClientCertificate"
}, AssistanceExecution.Frontend)]
public string ProjectKey { get; set; }
```

## Property Value

[string](#)

## RepositoryKey

```
[JsonProperty(Required = Required.Always)]
[Augmentation(typeof(RepositoryKeyOptionsAugmenter), new string[] { "Url=../Url",
    "IdentityToken=../IdentityToken", "ClientCertificate=../ClientCertificate",
    "ProjectKey=ProjectKey" }, AssistanceExecution.Frontend)]
[Validation(typeof(ProjectRepositoryValidator), new string[] { "Url=../Url",
    "IdentityToken=../IdentityToken", "ClientCertificate=../ClientCertificate",
    "ProjectKey=ProjectKey" } )]
```

```
"RepositoryKey=RepositoryKey" }, AssistanceExecution.Backend)]  
public string RepositoryKey { get; set; }
```

## Property Value

[string](#) ↗

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jfrog.FormsValidators Classes

[ApiValidatorBase<TFieldAttribute>](#)

[AuthenticationValidator](#)

[ProjectRepositoriesDuplicateValidator](#)

[ProjectRepositoryValidator](#)

# Class ApiValidatorBase<TFieldAttribute>

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.FormsValidators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ApiValidatorBase<TFieldAttribute> :  
    FormFieldValidator<JfrogArtifactoryArtifactsApiConnector, TFieldAttribute>,  
    IFormFieldAssistant where TFieldAttribute : FieldAttributeBase
```

## Type Parameters

**TFieldAttribute**

## Inheritance

```
object ↵ ← FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector> ←  
FormFieldValidator<JfrogArtifactoryArtifactsApiConnector, TFieldAttribute> ←  
ApiValidatorBase<TFieldAttribute>
```

## Implements

[IFormFieldAssistant](#)

## Derived

[AuthenticationValidator](#), [ProjectRepositoryValidator](#)

## Inherited Members

```
FormFieldValidator<JfrogArtifactoryArtifactsApiConnector, TFieldAttribute>.Validate(IFieldAttribute),  
FormFieldValidator<JfrogArtifactoryArtifactsApiConnector,  
TFieldAttribute>.InitializeCacheKey(FieldAttributeBase),  
FormFieldValidator<JfrogArtifactoryArtifactsApiConnector, TFieldAttribute>.Validate(TFieldAttribute),  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Adapter,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.FieldPath,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Context,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.ExecutionEnvironment,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Assistance,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Identifier,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.CacheKey,  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddFieldError(string),  
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddError(string, string),
```

```
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddErrorFromResponse(RestResponse,
string),
object.ToString() , object.Equals(object) , object.Equals(object, object) ,
object.ReferenceEquals(object, object) , object.GetHashCode() , object.GetType() ,
object.MemberwiseClone()
```

## Properties

### ClientCertificate

```
public ClientCertificate ClientCertificate { get; set; }
```

#### Property Value

[ClientCertificate](#)

### IdentityToken

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

#### Property Value

[string](#)

### Url

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

#### Property Value

[string](#)

# Class AuthenticationValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.FormsValidators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class AuthenticationValidator : ApiValidatorBase<FieldAttributeBase>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector> ←
FormFieldValidator<JfrogArtifactoryArtifactsApiConnector, FieldAttributeBase> ←
ApiValidatorBase<FieldAttributeBase> ← AuthenticationValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiValidatorBase<FieldAttributeBase>.Url , ApiValidatorBase<FieldAttributeBase>.IdentityToken ,
ApiValidatorBase<FieldAttributeBase>.ClientCertificate ,
FormFieldValidator<JfrogArtifactoryArtifactsApiConnector, FieldAttributeBase>.Validate(IFieldAttribute) ,
FormFieldValidator<JfrogArtifactoryArtifactsApiConnector,
FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldValidator<JfrogArtifactoryArtifactsApiConnector,
FieldAttributeBase>.Validate(FieldAttributeBase) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Adapter ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.FieldPath ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Context ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.ExecutionEnvironment ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Assistance ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Identifier ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.CacheKey ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddFieldError(string) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddError(string, string) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddErrorFromResponse(RestResponse,
string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

# Methods

## Validate(FieldAttributeBase)

```
public override bool Validate(FieldAttributeBase fieldConfig)
```

### Parameters

**fieldConfig** [FieldAttributeBase](#)

### Returns

[bool](#) ↗

# Class ProjectRepositoriesDuplicateValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.FormsValidators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectRepositoriesDuplicateValidator :  
    DuplicateValidatorBase<ProjectRepository>, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<IFormAdapter> ←  
FormFieldValidator<IFormAdapter, FieldAttributeBase> ← DuplicateValidatorBase<ProjectRepository> ←  
ProjectRepositoriesDuplicateValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
DuplicateValidatorBase<ProjectRepository>.Items ,  
DuplicateValidatorBase<ProjectRepository>.Validate(FieldAttributeBase) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate(IFieldAttribute) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate(FieldAttributeBase) ,  
FormFieldAssistantBase<IFormAdapter>.Adapter , FormFieldAssistantBase<IFormAdapter>.FieldPath ,  
FormFieldAssistantBase<IFormAdapter>.Context ,  
FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment ,  
FormFieldAssistantBase<IFormAdapter>.Assistance , FormFieldAssistantBase<IFormAdapter>.Identifier ,  
FormFieldAssistantBase<IFormAdapter>.CacheKey ,  
FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<IFormAdapter>.AddFieldError(string) ,  
FormFieldAssistantBase<IFormAdapter>.AddError(string, string) ,  
FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

## Methods

[GetItemLabel\(ProjectRepository\)](#)

```
protected override string GetItemLabel(ProjectRepository projectRepository)
```

Parameters

projectRepository [ProjectRepository](#)

Returns

[string](#)

## GetLabel(FieldAttributeBase)

```
protected override string GetLabel(FieldAttributeBase fieldConfig)
```

Parameters

fieldConfig [FieldAttributeBase](#)

Returns

[string](#)

# Class ProjectRepositoryValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.FormsValidators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectRepositoryValidator : ApiValidatorBase<FieldAttributeBase>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector> ←
FormFieldValidator<JfrogArtifactoryArtifactsApiConnector, FieldAttributeBase> ←
ApiValidatorBase<FieldAttributeBase> ← ProjectRepositoryValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiValidatorBase<FieldAttributeBase>.Url , ApiValidatorBase<FieldAttributeBase>.IdentityToken ,
ApiValidatorBase<FieldAttributeBase>.ClientCertificate ,
FormFieldValidator<JfrogArtifactoryArtifactsApiConnector, FieldAttributeBase>.Validate(IFieldAttribute) ,
FormFieldValidator<JfrogArtifactoryArtifactsApiConnector,
FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldValidator<JfrogArtifactoryArtifactsApiConnector,
FieldAttributeBase>.Validate(FieldAttributeBase) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Adapter ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.FieldPath ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Context ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.ExecutionEnvironment ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Assistance ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.Identifier ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.CacheKey ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddFieldError(string) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddError(string, string) ,
FormFieldAssistantBase<JfrogArtifactoryArtifactsApiConnector>.AddErrorFromResponse(RestResponse,
string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

# Properties

## RepositoryKey

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

### Property Value

[string](#) ↗

# Methods

## Validate(FieldAttributeBase)

```
public override bool Validate(FieldAttributeBase fieldConfig)
```

### Parameters

[fieldConfig](#) [FieldAttributeBase](#)

### Returns

[bool](#) ↗

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jfrog.Response

## Classes

[File](#)

[FileResponse](#)

[Project](#)

[Repository](#)

# Class File

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class File
```

## Inheritance

[object](#) ← File

## Inherited Members

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

# Properties

## Folder

```
[JsonProperty(PropertyName = "folder")]
public bool Folder { get; set; }
```

## Property Value

[bool](#)

## LastModified

```
[JsonProperty(PropertyName = "lastModified")]
public DateTime LastModified { get; set; }
```

## Property Value

[DateTime](#)

## Sha1

```
[JsonProperty(PropertyName = "sha1")]
public string Sha1 { get; set; }
```

Property Value

[string](#)

## Sha2

```
[JsonProperty(PropertyName = "sha2")]
public string Sha2 { get; set; }
```

Property Value

[string](#)

## Size

```
[JsonProperty(PropertyName = "size")]
public long Size { get; set; }
```

Property Value

[long](#)

## Uri

```
[JsonProperty(PropertyName = "uri")]
public string Uri { get; set; }
```

Property Value

[string](#)



# Class FileResponse

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class FileResponse
```

## Inheritance

[object](#) ← FileResponse

## Inherited Members

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

# Properties

## Created

```
[JsonProperty(PropertyName = "created")]
public DateTime Created { get; set; }
```

## Property Value

[DateTime](#)

## Files

```
public File[] Files { get; set; }
```

## Property Value

[File\[\]](#)

## Uri

```
[JsonProperty(PropertyName = "uri")]
public string Uri { get; set; }
```

Property Value

[string](#) ↗

# Class Project

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Project
```

## Inheritance

[object](#) ← Project

## Inherited Members

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

# Properties

## ProjectDescription

```
[JsonProperty(PropertyName = "description")]
public string ProjectDescription { get; set; }
```

## Property Value

[string](#)

## ProjectDisplayName

```
[JsonProperty(PropertyName = "display_name")]
public string ProjectDisplayName { get; set; }
```

## Property Value

[string](#)

## ProjectKey

```
[JsonProperty(PropertyName = "project_key")]
public string ProjectKey { get; set; }
```

Property Value

[string](#) ↗

# Class Repository

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jfrog.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Repository
```

## Inheritance

[object](#) ← Repository

## Inherited Members

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

## Properties

### RepositoryDescription

```
[JsonProperty(PropertyName = "description")]
public string RepositoryDescription { get; set; }
```

#### Property Value

[string](#)

### RepositoryKey

```
[JsonProperty(PropertyName = "key")]
public string RepositoryKey { get; set; }
```

#### Property Value

[string](#)

## RepositoryPackageType

```
[JsonProperty(PropertyName = "packageType")]
public string RepositoryPackageType { get; set; }
```

Property Value

[string](#) ↗

## RepositoryType

```
[JsonProperty(PropertyName = "type")]
public string RepositoryType { get; set; }
```

Property Value

[string](#) ↗

## RepositoryUrl

```
[JsonProperty(PropertyName = "url")]
public string RepositoryUrl { get; set; }
```

Property Value

[string](#) ↗

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jira

## Classes

[JiralIssueApiConnector](#)

[JiralIssueApiConnector.JiralIssueAdapterOptions](#)

# Class JiralssueApiConnector

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JiraIssueApiConnector : ApiConnector,
    IDataLocationDataConnector<JiraIssueDataLocationForm, JiraLocation, JiraIssueIdentifier,
    JiraIssueLoadInfo>, IDataLocationConnector<JiraIssueDataLocationForm, JiraLocation,
    JiraIssueIdentifier, JiraIssueLoadInfo>, IDataLocationDataConnector, IDataLocationConnector,
    IFormAdapter, IDataLocationPreview<JiraIssueDataLocationForm, JiraLocation,
    JiraIssueIdentifier, JiraIssueLoadInfo>, IDataLocationPreview
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [ApiConnector](#) ← [JiralssueApiConnector](#)

## Implements

[IDataLocationDataConnector<JiralssueDataLocationForm, JiraLocation, JiralssuelIdentifier, JiralssuelLoadInfo>](#),  
[IDataLocationConnector<JiralssueDataLocationForm, JiraLocation, JiralssuelIdentifier, JiralssuelLoadInfo>](#),  
[IDataLocationDataConnector](#), [IDataLocationConnector](#), [IFormAdapter](#),  
[IDataLocationPreview<JiralssueDataLocationForm, JiraLocation, JiralssuelIdentifier, JiralssuelLoadInfo>](#),  
[IDataLocationPreview](#)

## Inherited Members

[ApiConnector.ExecuteCachedInForm<T>\(IFormContext<Form>, object\[\], Func<T>\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDate\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

# Properties

## DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined. DataSource should be "Undefined", if only files are downloaded.

```
public override string DataSource { get; }
```

## Property Value

[string](#)

## Description

Description of the adapter that is visible in the adapter dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML link tags, Linebreaks (\n) get transformed into HTML linebreaks (<br>), HTML Tags are not allowed.

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

## Property Value

[string](#)

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

## Property Value

[string](#)

## Version

```
public Version Version { get; }
```

## Property Value

## Methods

CheckDataLocationModified(DataLocationConnectorContext<JiraIssueDataLocationForm, JiraLocation, JiraIssueIdentifier, JiraIssueLoadInfo>)

```
public bool  
CheckDataLocationModified(DataLocationConnectorContext<JiraIssueDataLocationForm,  
JiraLocation, JiraIssueIdentifier, JiraIssueLoadInfo> context)
```

Parameters

context [DataLocationConnectorContext<JiraIssueDataLocationForm, JiraLocation, JiraIssueIdentifier, JiraIssueLoadInfo>](#)

Returns

[bool ↗](#)

CreatePreview(DataLocationConnectorContext<JiraIssueDataLocationForm, JiraLocation, JiraIssueIdentifier, JiraIssueLoadInfo>, string, out int)

```
public FormPreview[] CreatePreview(DataLocationConnectorContext<JiraIssueDataLocationForm,  
JiraLocation, JiraIssueIdentifier, JiraIssueLoadInfo> context, string preview, out int totalCount)
```

Parameters

context [DataLocationConnectorContext<JiraIssueDataLocationForm, JiraLocation, JiraIssueIdentifier, JiraIssueLoadInfo>](#)

preview [string ↗](#)

totalCount [int ↗](#)

Returns

[FormPreview\[\]](#)

GetDataLocationContentData(DataLocationConnectorContext<JiraIssueDataLocationForm, JiraLocation, JiraIssueIdentifier, JiraIssueLoadInfo>, DataContent<JiraLocation, JiraIssueIdentifier>, bool)

```
public DataLocationContentDataResult  
GetDataLocationContentData(DataLocationConnectorContext<JiraIssueDataLocationForm,  
JiraLocation, JiraIssueIdentifier, JiraIssueLoadInfo> context, DataContent<JiraLocation,  
JiraIssueIdentifier> content, bool importFindings)
```

Parameters

context [DataLocationConnectorContext<JiraIssueDataLocationForm, JiraLocation, JiraIssueIdentifier, JiraIssueLoadInfo>](#)  
content [DataContent<JiraLocation, JiraIssueIdentifier>](#)  
importFindings [bool](#)

Returns

[DataLocationContentDataResult](#)

GetDataLocationContents(DataLocationConnectorContext<JiraIssueDataLocationForm, JiraLocation, JiraIssueIdentifier, JiraIssueLoadInfo>)

```
public DataLocationContentResult<JiraLocation, JiraIssueIdentifier, JiraIssueLoadInfo>  
GetDataLocationContents(DataLocationConnectorContext<JiraIssueDataLocationForm,  
JiraLocation, JiraIssueIdentifier, JiraIssueLoadInfo> context)
```

Parameters

`context DataLocationConnectorContext<JiralssueDataLocationForm, JiraLocation, Jiralssueldentifier, JiralssueLoadInfo>`

Returns

`DataLocationContentResult<JiraLocation, Jiralssueldentifier, JiralssueLoadInfo>`

`LoadFields(IFormContext<Form>, string, AuthenticationType, string, string, ClientCertificate, string, string)`

```
public Field[] LoadFields(IFormContext<Form> context, string url,  
JiraIssueDataLocationForm.AuthenticationType authentication, string username, string  
apiToken, ClientCertificate clientCertificate, string projectId, string issueTypeId)
```

Parameters

`context IFormContext<Form>`

`url string`

`authentication JiralssueDataLocationForm.AuthenticationType`

`username string`

`apiToken string`

`clientCertificate ClientCertificate`

`projectId string`

`issueTypeId string`

Returns

`Field[]`

`LoadIssueTypes(IFormContext<Form>, string, AuthenticationType, string, string, ClientCertificate, string)`

```
public IssueType[] LoadIssueTypes(IFormContext<Form> context, string url,  
JiraIssueDataLocationForm.AuthenticationType authentication, string username, string  
apiToken, ClientCertificate clientCertificate, string projectId)
```

## Parameters

context [IFormContext<Form>](#)

url [string](#)

authentication [JiraIssueDataLocationForm.AuthenticationType](#)

username [string](#)

apiToken [string](#)

clientCertificate [ClientCertificate](#)

projectId [string](#)

## Returns

[IssueType\[\]](#)

## LoadJiraStatuses(IFormContext<Form>, string, AuthenticationType, string, string, ClientCertificate, string)

```
public Status[] LoadJiraStatuses(IFormContext<Form> context, string url,  
JiraIssueDataLocationForm.AuthenticationType authentication, string username, string  
apiToken, ClientCertificate clientCertificate, string projectId)
```

## Parameters

context [IFormContext<Form>](#)

url [string](#)

authentication [JiraIssueDataLocationForm.AuthenticationType](#)

username [string](#)

apiToken [string](#)

clientCertificate [ClientCertificate](#)

projectId [string](#)

Returns

[Status](#)[]

LoadParentIssues(IFormContext<Form>, string, AuthenticationType, string, string, ClientCertificate, string, string)

```
public Issue[] LoadParentIssues(IFormContext<Form> context, string url,  
JiraIssueDataLocationForm.AuthenticationType authentication, string username, string  
apiToken, ClientCertificate clientCertificate, string projectId, string issueTypeId)
```

Parameters

context [IFormContext<Form>](#)

url [string](#)

authentication [JiraIssueDataLocationForm.AuthenticationType](#)

username [string](#)

apiToken [string](#)

clientCertificate [ClientCertificate](#)

projectId [string](#)

issueTypeId [string](#)

Returns

[Issue](#)[]

## LoadUsers(IFormContext<Form>, string, AuthenticationType, string, string, ClientCertificate, string)

```
public User[] LoadUsers(IFormContext<Form> context, string url,  
JiraIssueDataLocationForm.AuthenticationType authentication, string username, string  
apiToken, ClientCertificate clientCertificate, string accountType)
```

### Parameters

context [IFormContext<Form>](#)

url [string](#)

authentication [JiraIssueDataLocationForm.AuthenticationType](#)

username [string](#)

apiToken [string](#)

clientCertificate [ClientCertificate](#)

accountType [string](#)

### Returns

[User\[\]](#)

# Class JiralssueApiConnector.JiralssueAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JiraIssueApiConnector.JiraIssueAdapterOptions : ApiConnectorAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [ApiConnectorAdapterOptions](#) ←  
JiralssueApiConnector.JiralssueAdapterOptions

## Inherited Members

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

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jira.Contents

## Classes

[Jiralssueldentifier](#)

[JiralssueLoadInfo](#)

[JiraLocation](#)

# Class Jiralssueldentifier

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JiraIssueIdentifier : IContentIdentifier
```

## Inheritance

[object](#) ← Jiralssueldentifier

## Implements

[IContentIdentifier](#)

## Inherited Members

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

# Properties

## Filters

```
[JsonProperty("f")]
public IssueFilter[] Filters { get; set; }
```

## Property Value

[IssueFilter\[\]](#)

## IssueId

```
[JsonProperty("i")]
public string IssueId { get; set; }
```

## Property Value

[string](#) ↗

## Mappings

```
[JsonProperty("m")]
public IssueMapping Mappings { get; set; }
```

Property Value

[IssueMapping](#)

# Class JiralIssueLoadInfo

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JiraIssueLoadInfo : LoadInfoBase
```

## Inheritance

[object](#) ← [LoadInfoBase](#) ← JiralIssueLoadInfo

## Inherited Members

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

# Properties

## DateTime

```
[JsonProperty("d")]
public DateTime? DateTime { get; set; }
```

## Property Value

[DateTime](#)?

# Class JiraLocation

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Contents](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JiraLocation : ContentLocationBase
```

## Inheritance

[object](#) ← [ContentLocationBase](#) ← JiraLocation

## Inherited Members

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

# Properties

## ProjectId

```
[JsonProperty("p")]
public string ProjectId { get; set; }
```

## Property Value

[string](#)

## Url

```
[JsonProperty("u")]
public string Url { get; set; }
```

## Property Value

[string](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jira.Contents.Identifier Classes

[IssueFilter](#)

[IssueMapping](#)

[IssueMappingField](#)

# Class IssueFilter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Contents.Identifier](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class IssueFilter
```

## Inheritance

[object](#) ← IssueFilter

## Inherited Members

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

## Constructors

### IssueFilter()

```
public IssueFilter()
```

### IssueFilter(ImportFilter)

```
public IssueFilter(ImportFilter importFilter)
```

## Parameters

importFilter [ImportFilter](#)

## Properties

### Apply

```
[JsonProperty("a")]
public bool Apply { get; set; }
```

Property Value

[bool](#) ↗

## DateFilterType

```
[JsonProperty("d")]
public ImportFilterValue.ImportFilterValueDateFilterType DateFilterType { get; set; }
```

Property Value

[ImportFilterValue](#).[ImportFilterValueDateFilterType](#)

## DateValue

```
[JsonProperty("i")]
public DateTime? DateValue { get; set; }
```

Property Value

[DateTime](#) ↗?

## Field

```
[JsonProperty("c")]
public string Field { get; set; }
```

Property Value

[string](#) ↗

## NumericValue

```
[JsonProperty("g")]
public double? NumericValue { get; set; }
```

Property Value

[double](#)?

## Operator

```
[JsonProperty("e")]
public ImportFilterValue.ImportFilterValueOperator Operator { get; set; }
```

Property Value

[ImportFilterValue.ImportFilterValueOperator](#)

## SelectedValues

```
[JsonProperty("h")]
public string[] SelectedValues { get; set; }
```

Property Value

[string](#)[]

## Target

```
[JsonProperty("b")]
public ImportFilter.ImportFilterTarget Target { get; set; }
```

Property Value

[ImportFilter.ImportFilterTarget](#)

## TextValue

```
[JsonProperty("f")]
public string TextValue { get; set; }
```

Property Value

[string](#) ↗

# Class IssueMapping

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Contents.Identifier](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class IssueMapping
```

## Inheritance

[object](#) ← IssueMapping

## Inherited Members

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

## Constructors

### IssueMapping()

```
public IssueMapping()
```

### IssueMapping(ImportMapping)

```
public IssueMapping(ImportMapping mapping)
```

## Parameters

mapping [ImportMapping](#)

## Properties

### ArtifactInnerPath

```
[JsonProperty("e")]
public IssueMappingField[] ArtifactInnerPath { get; set; }
```

Property Value

[IssueMappingField\[\]](#)

## ArtifactPath

```
[JsonProperty("d")]
public IssueMappingField ArtifactPath { get; set; }
```

Property Value

[IssueMappingField](#)

## Deadline

```
[JsonProperty("l")]
public IssueMappingField Deadline { get; set; }
```

Property Value

[IssueMappingField](#)

## Description

```
[JsonProperty("j")]
public IssueMappingField Description { get; set; }
```

Property Value

[IssueMappingField](#)

## IssueMessage

```
[JsonProperty("k")]
public IssueMappingField IssueMessage { get; set; }
```

Property Value

[IssueMappingField](#)

## Measure

```
[JsonProperty("b")]
public IssueMappingField Measure { get; set; }
```

Property Value

[IssueMappingField](#)

## MeasurementName

```
[JsonProperty("c")]
public IssueMappingField MeasurementName { get; set; }
```

Property Value

[IssueMappingField](#)

## State

```
[JsonProperty("a")]
public IssueMappingField State { get; set; }
```

Property Value

[IssueMappingField](#)

## SubjectName

```
[JsonProperty("g")]
public IssueMappingField SubjectName { get; set; }
```

Property Value

[IssueMappingField](#)

## SubjectPath

```
[JsonProperty("h")]
public IssueMappingField[] SubjectPath { get; set; }
```

Property Value

[IssueMappingField\[\]](#)

## SubjectPathForArtifact

```
[JsonProperty("i")]
public IssueMappingField[] SubjectPathForArtifact { get; set; }
```

Property Value

[IssueMappingField\[\]](#)

## SubjectType

```
[JsonProperty("f")]
public IssueMappingField SubjectType { get; set; }
```

Property Value

## [IssueMappingField](#)

# Class IssueMappingField

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Contents.Identifier](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class IssueMappingField
```

## Inheritance

[object](#) ← IssueMappingField

## Inherited Members

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

## Constructors

### IssueMappingField()

```
public IssueMappingField()
```

### IssueMappingField(ImportMappingDateField)

```
public IssueMappingField(ImportMappingDateField mappingField)
```

#### Parameters

mappingField [ImportMappingDateField](#)

### IssueMappingField(ImportMappingStringField)

```
public IssueMappingField(ImportMappingStringField mappingField)
```

## Parameters

`mappingField` [ImportMappingStringField](#)

## Properties

### Field

```
[JsonProperty("f")]
public string Field { get; set; }
```

### Property Value

[string](#)

### FromJira

```
[JsonProperty("j")]
public bool FromJira { get; set; }
```

### Property Value

[bool](#)

### Regex

```
[JsonProperty("r")]
public string Regex { get; set; }
```

### Property Value

[string](#)

### StaticValue

```
[JsonProperty("s")]
public string StaticValue { get; set; }
```

Property Value

[string ↗](#)

Value

```
[JsonProperty("v")]
public string Value { get; set; }
```

Property Value

[string ↗](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jira.Forms

## Classes

[JiralIssueDataLocationForm](#)

## Enums

[JiralIssueDataLocationForm.AuthenticationType](#)

# Class JiralIssueDataLocationForm

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JiraIssueDataLocationForm : ApiDataLocationFormBase
```

## Inheritance

[object](#) ← [Form](#) ← [DataLocationFormBase](#) ← [ApiDataLocationFormBase](#) ← [JiraIssueDataLocationForm](#)

## Inherited Members

[ApiDataLocationFormBase.Url](#) , [ApiDataLocationFormBase.ClientCertificateEnabled](#) ,  
[ApiDataLocationFormBase.ClientCertificate](#) ,  
[DataLocationFormBase.GetHash\(ConnectorSettings, IDataLocationConnector\)](#) , [Form.Type](#) ,  
[Form.FormSchema](#) , [Form.FormHash](#) , [Form.Errors](#) , [Form.AddFieldError\(string, string, string\)](#) ,  
[Form.AddError\(string, string, string\)](#) , [Form.RemoveError\(string\)](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### ApiToken

```
[Validation(typeof(AuthenticationValidator), new string[] { "Url=Url",  
"Authentication=Authentication", "UserName=Username", "ApiToken=ApiToken",  
"ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]  
public string ApiToken { get; set; }
```

### Property Value

[string](#)

### Authentication

```
public JiraIssueDataLocationForm.AuthenticationType Authentication { get; set; }
```

## Property Value

[JiralssueDataLocationForm.AuthenticationType](#)

## Imports

```
[Augmentation(typeof(ImportVisibleAugmenter), new string[] { "Url=Url", "Username=Username",  
"ApiToken=ApiToken", "ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]  
public Import[] Imports { get; set; }
```

## Property Value

[Import\[\]](#)

## Username

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

## Property Value

[string](#)

## Methods

### CreateHashSource(ConnectorSettings)

```
protected override string CreateHashSource(ConnectorSettings connectorSettings)
```

#### Parameters

connectorSettings [ConnectorSettings](#)

#### Returns

[string](#)

# Enum JiralssueDataLocationForm.AuthenticationType

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {
    JiraIssueDataLocationForm.AuthenticationType.Basic })]
public enum JiraIssueDataLocationForm.AuthenticationType
```

## Fields

Basic = 0

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jira.Forms.Augmenters

## Classes

[ApiAugmenterBase<TFieldAttribute>](#)

[FieldOptionsAugmenterBase](#)

[ImportSubFormVisibleAugmenter](#)

[ImportVisibleAugmenter](#)

[ProjectIssueTypeOptionsAugmenter](#)

[ProjectOptionsAugmenter](#)

# Class ApiAugmenterBase<TFieldAttribute>

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ApiAugmenterBase<TFieldAttribute> :  
    FormFieldAugmenter<JiraIssueApiConnector, TFieldAttribute>, IFormFieldAssistant where  
    TFieldAttribute : FieldAttributeBase
```

## Type Parameters

**TFieldAttribute**

## Inheritance

[object](#) ← [FormFieldAssistantBase<JiralIssueApiConnector>](#) ←  
[FormFieldAugmenter<JiralIssueApiConnector, TFieldAttribute>](#) ← [ApiAugmenterBase<TFieldAttribute>](#)

## Implements

[IFormFieldAssistant](#)

## Derived

[FieldOptionsAugmenterBase](#), [ValueAugmenterBase<TFieldAttribute>](#), [ImportVisibleAugmenter](#),  
[ProjectIssueTypeOptionsAugmenter](#), [ProjectOptionsAugmenter](#)

## Inherited Members

[FormFieldAugmenter<JiralIssueApiConnector, TFieldAttribute>.Configure\(IFieldAttribute\)](#),  
[FormFieldAugmenter<JiralIssueApiConnector, TFieldAttribute>.InitializeCacheKey\(FieldAttributeBase\)](#),  
[FormFieldAugmenter<JiralIssueApiConnector, TFieldAttribute>.Configure\(TFieldAttribute\)](#),  
[FormFieldAssistantBase<JiralIssueApiConnector>.Adapter](#),  
[FormFieldAssistantBase<JiralIssueApiConnector>.FieldPath](#),  
[FormFieldAssistantBase<JiralIssueApiConnector>.Context](#),  
[FormFieldAssistantBase<JiralIssueApiConnector>.ExecutionEnvironment](#),  
[FormFieldAssistantBase<JiralIssueApiConnector>.Assistance](#),  
[FormFieldAssistantBase<JiralIssueApiConnector>.Identifier](#),  
[FormFieldAssistantBase<JiralIssueApiConnector>.CacheKey](#),  
[FormFieldAssistantBase<JiralIssueApiConnector>.InitializeCacheKey\(FieldAttributeBase\)](#),  
[FormFieldAssistantBase<JiralIssueApiConnector>.AddFieldError\(string\)](#),  
[FormFieldAssistantBase<JiralIssueApiConnector>.AddError\(string, string\)](#),  
[FormFieldAssistantBase<JiralIssueApiConnector>.AddErrorFromResponse\(RestResponse, string\)](#),  
[object.ToString\(\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#)

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

## Properties

### ApiToken

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

#### Property Value

[string](#)

### Authentication

```
public JiraIssueDataLocationForm.AuthenticationType Authentication { get; set; }
```

#### Property Value

[JiraIssueDataLocationForm.AuthenticationType](#)

### ClientCertificate

```
public ClientCertificate ClientCertificate { get; set; }
```

#### Property Value

[ClientCertificate](#)

### Url

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

Property Value

[string](#) ↗

Username

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

Property Value

[string](#) ↗

# Class FieldOptionsAugmenterBase

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class FieldOptionsAugmenterBase : ApiAugmenterBase<SelectAttribute>,  
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralIssueApiConnector> ←  
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute> ← ApiAugmenterBase<SelectAttribute> ←  
FieldOptionsAugmenterBase
```

## Implements

[IFormFieldAssistant](#)

## Derived

[FieldOptionsAugmenter](#), [DateFieldOptionsAugmenter](#), [StringFieldOptionsAugmenter](#)

## Inherited Members

```
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.Authentication ,  
ApiAugmenterBase<SelectAttribute>.Username , ApiAugmenterBase<SelectAttribute>.ApiToken ,  
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,  
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute>.Configure(SelectAttribute) ,  
FormFieldAssistantBase<JiralIssueApiConnector>.Adapter ,  
FormFieldAssistantBase<JiralIssueApiConnector>.FieldPath ,  
FormFieldAssistantBase<JiralIssueApiConnector>.Context ,  
FormFieldAssistantBase<JiralIssueApiConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<JiralIssueApiConnector>.Assistance ,  
FormFieldAssistantBase<JiralIssueApiConnector>.Identifier ,  
FormFieldAssistantBase<JiralIssueApiConnector>.CacheKey ,  
FormFieldAssistantBase<JiralIssueApiConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<JiralIssueApiConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<JiralIssueApiConnector>.AddError(string, string) ,  
FormFieldAssistantBase<JiralIssueApiConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

# Properties

## IssueTypeId

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

### Property Value

[string](#) ↗

## ProjectId

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

### Property Value

[string](#) ↗

# Methods

## SetOptions(SelectAttribute, Type)

```
protected void SetOptions(SelectAttribute fieldConfig, Type type = null)
```

### Parameters

fieldConfig [SelectAttribute](#)

type [Type](#) ↗

# Class ImportSubFormVisibleAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ImportSubFormVisibleAugmenter : FormFieldAugmenter<JiraIssueApiConnector,  
FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

```
object ↪ ← FormFieldAssistantBase<JiralssueApiConnector> ←  
FormFieldAugmenter<JiralssueApiConnector, FieldAttributeBase> ← ImportSubFormVisibleAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
FormFieldAugmenter<JiralssueApiConnector, FieldAttributeBase>.Configure(IFieldAttribute),  
FormFieldAugmenter<JiralssueApiConnector, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAugmenter<JiralssueApiConnector, FieldAttributeBase>.Configure(FieldAttributeBase),  
FormFieldAssistantBase<JiralssueApiConnector>.Adapter,  
FormFieldAssistantBase<JiralssueApiConnector>.FolderPath,  
FormFieldAssistantBase<JiralssueApiConnector>.Context,  
FormFieldAssistantBase<JiralssueApiConnector>.ExecutionEnvironment,  
FormFieldAssistantBase<JiralssueApiConnector>.Assistance,  
FormFieldAssistantBase<JiralssueApiConnector>.Identifier,  
FormFieldAssistantBase<JiralssueApiConnector>.CacheKey,  
FormFieldAssistantBase<JiralssueApiConnector>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAssistantBase<JiralssueApiConnector>.AddFieldError(string),  
FormFieldAssistantBase<JiralssueApiConnector>.AddError(string, string),  
FormFieldAssistantBase<JiralssueApiConnector>.AddErrorFromResponse(RestResponse, string),  
object.ToString(), object.Equals(object), object.Equals(object, object),  
object.ReferenceEquals(object, object), object.GetHashCode(), object.GetType(),  
object.MemberwiseClone()
```

## Properties

IssueTypeId

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

Property Value

[string](#) ↗

## ProjectId

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

Property Value

[string](#) ↗

## Methods

### Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldSchema)
```

Parameters

fieldSchema [FieldAttributeBase](#)

# Class ImportVisibleAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ImportVisibleAugmenter : ApiAugmenterBase<SubFormsAttribute>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralssueApiConnector> ←
FormFieldAugmenter<JiralssueApiConnector, SubFormsAttribute> ←
ApiAugmenterBase<SubFormsAttribute> ← ImportVisibleAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<SubFormsAttribute>.Url , ApiAugmenterBase<SubFormsAttribute>.Authentication ,
ApiAugmenterBase<SubFormsAttribute>.Username ,
ApiAugmenterBase<SubFormsAttribute>.ApiClient ,
ApiAugmenterBase<SubFormsAttribute>.ClientCertificate ,
FormFieldAugmenter<JiralssueApiConnector, SubFormsAttribute>.Configure(IFieldAttribute) ,
FormFieldAugmenter<JiralssueApiConnector, SubFormsAttribute>.InitializeCacheKey(FieldAttributeBase) ,
,
FormFieldAugmenter<JiralssueApiConnector, SubFormsAttribute>.Configure(SubFormsAttribute) ,
FormFieldAssistantBase<JiralssueApiConnector>.Adapter ,
FormFieldAssistantBase<JiralssueApiConnector>.FieldPath ,
FormFieldAssistantBase<JiralssueApiConnector>.Context ,
FormFieldAssistantBase<JiralssueApiConnector>.ExecutionEnvironment ,
FormFieldAssistantBase<JiralssueApiConnector>.Assistance ,
FormFieldAssistantBase<JiralssueApiConnector>.Identifier ,
FormFieldAssistantBase<JiralssueApiConnector>.CacheKey ,
FormFieldAssistantBase<JiralssueApiConnector>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<JiralssueApiConnector>.AddFieldError(string) ,
FormFieldAssistantBase<JiralssueApiConnector>.AddError(string, string) ,
FormFieldAssistantBase<JiralssueApiConnector>.AddErrorFromResponse(RestResponse, string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

# Methods

## Configure(SubFormsAttribute)

```
public override void Configure(SubFormsAttribute fieldSchema)
```

### Parameters

fieldSchema [SubFormsAttribute](#)

# Class ProjectIssueTypeOptionsAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectIssueTypeOptionsAugmenter : ApiAugmenterBase<SelectAttribute>,  
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralssueApiConnector> ←  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute> ← ApiAugmenterBase<SelectAttribute> ←  
ProjectIssueTypeOptionsAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.Authentication ,  
ApiAugmenterBase<SelectAttribute>.Username , ApiAugmenterBase<SelectAttribute>.ApiToken ,  
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute>.Configure(SelectAttribute) ,  
FormFieldAssistantBase<JiralssueApiConnector>.Adapter ,  
FormFieldAssistantBase<JiralssueApiConnector>.FieldPath ,  
FormFieldAssistantBase<JiralssueApiConnector>.Context ,  
FormFieldAssistantBase<JiralssueApiConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<JiralssueApiConnector>.Assistance ,  
FormFieldAssistantBase<JiralssueApiConnector>.Identifier ,  
FormFieldAssistantBase<JiralssueApiConnector>.CacheKey ,  
FormFieldAssistantBase<JiralssueApiConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<JiralssueApiConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<JiralssueApiConnector>.AddError(string, string) ,  
FormFieldAssistantBase<JiralssueApiConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

# Properties

## ProjectId

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

### Property Value

[string](#) ↗

# Methods

## Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

### Parameters

[fieldConfig](#) [SelectAttribute](#)

# Class ProjectOptionsAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectOptionsAugmenter : ApiAugmenterBase<SelectAttribute>,  
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralssueApiConnector> ←  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute> ← ApiAugmenterBase<SelectAttribute> ←  
ProjectOptionsAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.Authentication ,  
ApiAugmenterBase<SelectAttribute>.Username , ApiAugmenterBase<SelectAttribute>.ApiToken ,  
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute>.Configure(SelectAttribute) ,  
FormFieldAssistantBase<JiralssueApiConnector>.Adapter ,  
FormFieldAssistantBase<JiralssueApiConnector>.FieldPath ,  
FormFieldAssistantBase<JiralssueApiConnector>.Context ,  
FormFieldAssistantBase<JiralssueApiConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<JiralssueApiConnector>.Assistance ,  
FormFieldAssistantBase<JiralssueApiConnector>.Identifier ,  
FormFieldAssistantBase<JiralssueApiConnector>.CacheKey ,  
FormFieldAssistantBase<JiralssueApiConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<JiralssueApiConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<JiralssueApiConnector>.AddError(string, string) ,  
FormFieldAssistantBase<JiralssueApiConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

## Methods

### Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

#### Parameters

fieldConfig [SelectAttribute](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jira.Forms.Augmenters.Import Filters

## Classes

[DateValueVisibleAugmenter](#)

[FieldOptionsAugmenter](#)

[SelectedValueAugmenter](#)

[ValueAugmenterBase<TFieldAttribute>](#)

[ValueOperatorAugmenter](#)

[ValueVisibleAugmenter](#)

# Class DateValueVisibleAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters.ImportFilters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class DateValueVisibleAugmenter : ValueAugmenterBase<DatePickerAttribute>,  
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralIssueApiConnector> ←  
FormFieldAugmenter<JiralIssueApiConnector, DatePickerAttribute> ←  
ApiAugmenterBase<DatePickerAttribute> ← ValueAugmenterBase<DatePickerAttribute> ←  
DateValueVisibleAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ValueAugmenterBase<DatePickerAttribute>.ProjectId ,  
ValueAugmenterBase<DatePickerAttribute>.IssueTypeid ,  
ValueAugmenterBase<DatePickerAttribute>.FieldId ,  
ValueAugmenterBase<DatePickerAttribute>.LoadJiraField() ,  
ApiAugmenterBase<DatePickerAttribute>.Url ,  
ApiAugmenterBase<DatePickerAttribute>.Authentication ,  
ApiAugmenterBase<DatePickerAttribute>.Username ,  
ApiAugmenterBase<DatePickerAttribute>.ApiClient ,  
ApiAugmenterBase<DatePickerAttribute>.ClientCertificate ,  
FormFieldAugmenter<JiralIssueApiConnector, DatePickerAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<JiralIssueApiConnector,  
DatePickerAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<JiralIssueApiConnector, DatePickerAttribute>.Configure(DatePickerAttribute) ,  
FormFieldAssistantBase<JiralIssueApiConnector>.Adapter ,  
FormFieldAssistantBase<JiralIssueApiConnector>.FolderPath ,  
FormFieldAssistantBase<JiralIssueApiConnector>.Context ,  
FormFieldAssistantBase<JiralIssueApiConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<JiralIssueApiConnector>.Assistance ,  
FormFieldAssistantBase<JiralIssueApiConnector>.Identifier ,  
FormFieldAssistantBase<JiralIssueApiConnector>.CacheKey ,  
FormFieldAssistantBase<JiralIssueApiConnector>.InitializeCacheKey(FieldAttributeBase) ,
```

[FormFieldAssistantBase<JiraIssueApiConnector>.AddFieldError\(string\)](#) ,  
[FormFieldAssistantBase<JiraIssueApiConnector>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<JiraIssueApiConnector>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DateFilterType

```
public ImportFilterValue.ImportFilterValueDateFilterType DateFilterType { get; set; }
```

Property Value

[ImportFilterValue.ImportFilterValueDateFilterType](#)

## Methods

### Configure(DatePickerAttribute)

```
public override void Configure(DatePickerAttribute fieldConfig)
```

Parameters

**fieldConfig** [DatePickerAttribute](#)

# Class FieldOptionsAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters.ImportFilters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class FieldOptionsAugmenter : FieldOptionsAugmenterBase, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralIssueApiConnector> ←  
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute> ← ApiAugmenterBase<SelectAttribute> ←  
FieldOptionsAugmenterBase ← FieldOptionsAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
FieldOptionsAugmenterBase.ProjectId , FieldOptionsAugmenterBase.IssueTypeId ,  
FieldOptionsAugmenterBase.SetOptions(SelectAttribute, Type) ,  
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.Authentication ,  
ApiAugmenterBase<SelectAttribute>.Username , ApiAugmenterBase<SelectAttribute>.ApiToken ,  
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,  
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute>.Configure(SelectAttribute) ,  
FormFieldAssistantBase<JiralIssueApiConnector>.Adapter ,  
FormFieldAssistantBase<JiralIssueApiConnector>.FieldPath ,  
FormFieldAssistantBase<JiralIssueApiConnector>.Context ,  
FormFieldAssistantBase<JiralIssueApiConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<JiralIssueApiConnector>.Assistance ,  
FormFieldAssistantBase<JiralIssueApiConnector>.Identifier ,  
FormFieldAssistantBase<JiralIssueApiConnector>.CacheKey ,  
FormFieldAssistantBase<JiralIssueApiConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<JiralIssueApiConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<JiralIssueApiConnector>.AddError(string, string) ,  
FormFieldAssistantBase<JiralIssueApiConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

## Methods

### Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

#### Parameters

fieldConfig [SelectAttribute](#)

# Class SelectedValueAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters.ImportFilters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class SelectedValueAugmenter : ValueAugmenterBase<SelectAttribute>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralIssueApiConnector> ←
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute> ← ApiAugmenterBase<SelectAttribute> ←
ValueAugmenterBase<SelectAttribute> ← SelectedValueAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ValueAugmenterBase<SelectAttribute>.ProjectId , ValueAugmenterBase<SelectAttribute>.IssueTypeld ,
ValueAugmenterBase<SelectAttribute>.FieldId , ValueAugmenterBase<SelectAttribute>.LoadJiraField() ,
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.Authentication ,
ApiAugmenterBase<SelectAttribute>.Username , ApiAugmenterBase<SelectAttribute>.ApiToken ,
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute>.Configure(IFieldAttribute) ,
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute>.Configure(SelectAttribute) ,
FormFieldAssistantBase<JiralIssueApiConnector>.Adapter ,
FormFieldAssistantBase<JiralIssueApiConnector>.FieldPath ,
FormFieldAssistantBase<JiralIssueApiConnector>.Context ,
FormFieldAssistantBase<JiralIssueApiConnector>.ExecutionEnvironment ,
FormFieldAssistantBase<JiralIssueApiConnector>.Assistance ,
FormFieldAssistantBase<JiralIssueApiConnector>.Identifier ,
FormFieldAssistantBase<JiralIssueApiConnector>.CacheKey ,
FormFieldAssistantBase<JiralIssueApiConnector>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<JiralIssueApiConnector>.AddFieldError(string) ,
FormFieldAssistantBase<JiralIssueApiConnector>.AddError(string, string) ,
FormFieldAssistantBase<JiralIssueApiConnector>.AddErrorFromResponse(RestResponse, string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

# Methods

## Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

### Parameters

fieldConfig [SelectAttribute](#)

# Class ValueAugmenterBase<TFieldAttribute>

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters.ImportFilters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ValueAugmenterBase<TFieldAttribute> :  
    ApiAugmenterBase<TFieldAttribute>, IFormFieldAssistant where TFieldAttribute  
    : FieldAttributeBase
```

## Type Parameters

**TFieldAttribute**

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralIssueApiConnector> ←  
FormFieldAugmenter<JiralIssueApiConnector, TFieldAttribute> ← ApiAugmenterBase<TFieldAttribute> ←  
ValueAugmenterBase<TFieldAttribute>
```

## Implements

[IFormFieldAssistant](#)

## Derived

[DateValueVisibleAugmenter](#), [SelectedValueAugmenter](#), [ValueOperatorAugmenter](#),  
[ValueVisibleAugmenter](#)

## Inherited Members

```
ApiAugmenterBase<TFieldAttribute>.Url, ApiAugmenterBase<TFieldAttribute>.Authentication,  
ApiAugmenterBase<TFieldAttribute>.Username, ApiAugmenterBase<TFieldAttribute>.ApiToken,  
ApiAugmenterBase<TFieldAttribute>.ClientCertificate,  
FormFieldAugmenter<JiralIssueApiConnector, TFieldAttribute>.Configure\(IFieldAttribute\),  
FormFieldAugmenter<JiralIssueApiConnector, TFieldAttribute>.InitializeCacheKey\(FieldAttributeBase\),  
FormFieldAugmenter<JiralIssueApiConnector, TFieldAttribute>.Configure\(TFieldAttribute\),  
FormFieldAssistantBase<JiralIssueApiConnector>.Adapter,  
FormFieldAssistantBase<JiralIssueApiConnector>.FieldPath,  
FormFieldAssistantBase<JiralIssueApiConnector>.Context,  
FormFieldAssistantBase<JiralIssueApiConnector>.ExecutionEnvironment,  
FormFieldAssistantBase<JiralIssueApiConnector>.Assistance,  
FormFieldAssistantBase<JiralIssueApiConnector>.Identifier,  
FormFieldAssistantBase<JiralIssueApiConnector>.CacheKey,  
FormFieldAssistantBase<JiralIssueApiConnector>.InitializeCacheKey\(FieldAttributeBase\),
```

[FormFieldAssistantBase<JiraIssueApiConnector>.AddFieldError\(string\)](#) ,  
[FormFieldAssistantBase<JiraIssueApiConnector>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<JiraIssueApiConnector>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) ↗ , [object.Equals\(object\)](#) ↗ , [object.Equals\(object, object\)](#) ↗ ,  
[object.ReferenceEquals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ , [object.GetType\(\)](#) ↗ ,  
[object.MemberwiseClone\(\)](#) ↗

## Properties

### FieldId

`public string FieldId { get; set; }`

Property Value

[string](#) ↗

### IssueTypeId

`public string IssueTypeId { get; set; }`

Property Value

[string](#) ↗

### ProjectId

`public string ProjectId { get; set; }`

Property Value

[string](#) ↗

## Methods

## LoadJiraField()

```
protected Field LoadJiraField()
```

Returns

[Field](#)

# Class ValueOperatorAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters.ImportFilters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ValueOperatorAugmenter : ValueAugmenterBase<SelectAttribute>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralIssueApiConnector> ←
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute> ← ApiAugmenterBase<SelectAttribute> ←
ValueAugmenterBase<SelectAttribute> ← ValueOperatorAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ValueAugmenterBase<SelectAttribute>.ProjectId , ValueAugmenterBase<SelectAttribute>.IssueTypeld ,
ValueAugmenterBase<SelectAttribute>.FieldId , ValueAugmenterBase<SelectAttribute>.LoadJiraField() ,
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.Authentication ,
ApiAugmenterBase<SelectAttribute>.Username , ApiAugmenterBase<SelectAttribute>.ApiToken ,
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute>.Configure(IFieldAttribute) ,
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAugmenter<JiralIssueApiConnector, SelectAttribute>.Configure(SelectAttribute) ,
FormFieldAssistantBase<JiralIssueApiConnector>.Adapter ,
FormFieldAssistantBase<JiralIssueApiConnector>.FieldPath ,
FormFieldAssistantBase<JiralIssueApiConnector>.Context ,
FormFieldAssistantBase<JiralIssueApiConnector>.ExecutionEnvironment ,
FormFieldAssistantBase<JiralIssueApiConnector>.Assistance ,
FormFieldAssistantBase<JiralIssueApiConnector>.Identifier ,
FormFieldAssistantBase<JiralIssueApiConnector>.CacheKey ,
FormFieldAssistantBase<JiralIssueApiConnector>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<JiralIssueApiConnector>.AddFieldError(string) ,
FormFieldAssistantBase<JiralIssueApiConnector>.AddError(string, string) ,
FormFieldAssistantBase<JiralIssueApiConnector>.AddErrorFromResponse(RestResponse, string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

# Methods

## Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

### Parameters

fieldConfig [SelectAttribute](#)

# Class ValueVisibleAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters.ImportFilters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ValueVisibleAugmenter : ValueAugmenterBase<FieldAttributeBase>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralssueApiConnector> ←
FormFieldAugmenter<JiralssueApiConnector, FieldAttributeBase> ←
ApiAugmenterBase<FieldAttributeBase> ← ValueAugmenterBase<FieldAttributeBase> ←
ValueVisibleAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ValueAugmenterBase<FieldAttributeBase>.ProjectId ,
ValueAugmenterBase<FieldAttributeBase>.IssueTypeId ,
ValueAugmenterBase<FieldAttributeBase>.FieldId ,
ValueAugmenterBase<FieldAttributeBase>.LoadJiraField() , ApiAugmenterBase<FieldAttributeBase>.Url ,
ApiAugmenterBase<FieldAttributeBase>.Authentication ,
ApiAugmenterBase<FieldAttributeBase>.Username , ApiAugmenterBase<FieldAttributeBase>.ApiKey ,
ApiAugmenterBase<FieldAttributeBase>.ClientCertificate ,
FormFieldAugmenter<JiralssueApiConnector, FieldAttributeBase>.Configure(IFieldAttribute) ,
FormFieldAugmenter<JiralssueApiConnector, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAugmenter<JiralssueApiConnector, FieldAttributeBase>.Configure(FieldAttributeBase) ,
FormFieldAssistantBase<JiralssueApiConnector>.Adapter ,
FormFieldAssistantBase<JiralssueApiConnector>.FieldPath ,
FormFieldAssistantBase<JiralssueApiConnector>.Context ,
FormFieldAssistantBase<JiralssueApiConnector>.ExecutionEnvironment ,
FormFieldAssistantBase<JiralssueApiConnector>.Assistance ,
FormFieldAssistantBase<JiralssueApiConnector>.Identifier ,
FormFieldAssistantBase<JiralssueApiConnector>.CacheKey ,
FormFieldAssistantBase<JiralssueApiConnector>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<JiralssueApiConnector>.AddFieldError(string) ,
FormFieldAssistantBase<JiralssueApiConnector>.AddError(string, string) ,
FormFieldAssistantBase<JiralssueApiConnector>.AddErrorFromResponse(RestResponse, string) ,
```

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

## Methods

### Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldConfig)
```

#### Parameters

**fieldConfig** [FieldAttributeBase](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jira.Forms.Augmenters.Import Mappings

## Classes

[DateFieldOptionsAugmenter](#)

[NotDisabledFromFieldAugmenter](#)

[StringFieldOptionsAugmenter](#)

# Class DateFieldOptionsAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters.ImportMappings](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class DateFieldOptionsAugmenter : FieldOptionsAugmenterBase, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralssueApiConnector> ←  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute> ← ApiAugmenterBase<SelectAttribute> ←  
FieldOptionsAugmenterBase ← DateFieldOptionsAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
FieldOptionsAugmenterBase.ProjectId , FieldOptionsAugmenterBase.IssueTypeId ,  
FieldOptionsAugmenterBase.SetOptions(SelectAttribute, Type) ,  
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.Authentication ,  
ApiAugmenterBase<SelectAttribute>.Username , ApiAugmenterBase<SelectAttribute>.ApiToken ,  
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute>.Configure(SelectAttribute) ,  
FormFieldAssistantBase<JiralssueApiConnector>.Adapter ,  
FormFieldAssistantBase<JiralssueApiConnector>.FieldPath ,  
FormFieldAssistantBase<JiralssueApiConnector>.Context ,  
FormFieldAssistantBase<JiralssueApiConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<JiralssueApiConnector>.Assistance ,  
FormFieldAssistantBase<JiralssueApiConnector>.Identifier ,  
FormFieldAssistantBase<JiralssueApiConnector>.CacheKey ,  
FormFieldAssistantBase<JiralssueApiConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<JiralssueApiConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<JiralssueApiConnector>.AddError(string, string) ,  
FormFieldAssistantBase<JiralssueApiConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

## Methods

### Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

#### Parameters

fieldConfig [SelectAttribute](#)

# Class NotDisabledFromFieldAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters.ImportMappings](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class NotDisabledFromFieldAugmenter : FormFieldAugmenter<JiraIssueApiConnector,  
FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

```
object ↩ ← FormFieldAssistantBase<JiralssueApiConnector> ←  
FormFieldAugmenter<JiralssueApiConnector, FieldAttributeBase> ← NotDisabledFromFieldAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
FormFieldAugmenter<JiralssueApiConnector, FieldAttributeBase>.Configure(IFieldAttribute),  
FormFieldAugmenter<JiralssueApiConnector, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAugmenter<JiralssueApiConnector, FieldAttributeBase>.Configure(FieldAttributeBase),  
FormFieldAssistantBase<JiralssueApiConnector>.Adapter,  
FormFieldAssistantBase<JiralssueApiConnector>.FieldPath,  
FormFieldAssistantBase<JiralssueApiConnector>.Context,  
FormFieldAssistantBase<JiralssueApiConnector>.ExecutionEnvironment,  
FormFieldAssistantBase<JiralssueApiConnector>.Assistance,  
FormFieldAssistantBase<JiralssueApiConnector>.Identifier,  
FormFieldAssistantBase<JiralssueApiConnector>.CacheKey,  
FormFieldAssistantBase<JiralssueApiConnector>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAssistantBase<JiralssueApiConnector>.AddFieldError(string),  
FormFieldAssistantBase<JiralssueApiConnector>.AddError(string, string),  
FormFieldAssistantBase<JiralssueApiConnector>.AddErrorFromResponse(RestResponse, string),  
object.ToString() ↩ , object.Equals(object) ↩ , object.Equals(object, object) ↩ ,  
object.ReferenceEquals(object, object) ↩ , object.GetHashCode() ↩ , object.GetType() ↩ ,  
object.MemberwiseClone() ↩
```

## Properties

### Field

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

Property Value

[string](#) ↗

## Methods

Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldConfig)
```

Parameters

[fieldConfig](#) [FieldAttributeBase](#)

# Class StringFieldOptionsAugmenter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Augmenters.ImportMappings](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class StringFieldOptionsAugmenter : FieldOptionsAugmenterBase, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralssueApiConnector> ←  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute> ← ApiAugmenterBase<SelectAttribute> ←  
FieldOptionsAugmenterBase ← StringFieldOptionsAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
FieldOptionsAugmenterBase.ProjectId , FieldOptionsAugmenterBase.IssueTypeId ,  
FieldOptionsAugmenterBase.SetOptions(SelectAttribute, Type) ,  
ApiAugmenterBase<SelectAttribute>.Url , ApiAugmenterBase<SelectAttribute>.Authentication ,  
ApiAugmenterBase<SelectAttribute>.Username , ApiAugmenterBase<SelectAttribute>.ApiToken ,  
ApiAugmenterBase<SelectAttribute>.ClientCertificate ,  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<JiralssueApiConnector, SelectAttribute>.Configure(SelectAttribute) ,  
FormFieldAssistantBase<JiralssueApiConnector>.Adapter ,  
FormFieldAssistantBase<JiralssueApiConnector>.FieldPath ,  
FormFieldAssistantBase<JiralssueApiConnector>.Context ,  
FormFieldAssistantBase<JiralssueApiConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<JiralssueApiConnector>.Assistance ,  
FormFieldAssistantBase<JiralssueApiConnector>.Identifier ,  
FormFieldAssistantBase<JiralssueApiConnector>.CacheKey ,  
FormFieldAssistantBase<JiralssueApiConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<JiralssueApiConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<JiralssueApiConnector>.AddError(string, string) ,  
FormFieldAssistantBase<JiralssueApiConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

# Methods

## Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

### Parameters

fieldConfig [SelectAttribute](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jira.Forms.SubForms

## Classes

[Import](#)

[ImportFilter](#)

[ImportFilterValue](#)

[ImportFiltering](#)

[ImportMapping](#)

[ImportMappingDateField](#)

[ImportMappingFieldBase](#)

[ImportMappingStringField](#)

[ImportSetup](#)

## Enums

[ImportFilter.ImportFilterTarget](#)

[ImportFilterValue.ImportFilterValueDateFilterType](#)

[ImportFilterValue.ImportFilterValueOperator](#)

# Class Import

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Import
```

## Inheritance

[object](#) ← Import

## Inherited Members

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

# Properties

## Filtering

```
[Augmentation(typeof(ImportSubFormVisibleAugmenter), new string[] {  
    "ProjectId=Setup.ProjectId", "IssueTypeId=Setup.IssueTypeId" }, AssistanceExecution.Always)]  
public ImportFiltering Filtering { get; set; }
```

## Property Value

[ImportFiltering](#)

## Mappings

```
[Augmentation(typeof(ImportSubFormVisibleAugmenter), new string[] {  
    "ProjectId=Setup.ProjectId", "IssueTypeId=Setup.IssueTypeId" }, AssistanceExecution.Always)]  
public ImportMapping Mappings { get; set; }
```

## Property Value

[ImportMapping](#)

# Setup

```
public ImportSetup Setup { get; set; }
```

Property Value

[ImportSetup](#)

# Class ImportFilter

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ImportFilter
```

## Inheritance

[object](#) ← ImportFilter

## Inherited Members

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

# Properties

## Apply

```
public bool Apply { get; set; }
```

## Property Value

[bool](#)

## Field

```
[Augmentation(typeof(FieldOptionsAugmenter), new string[] { "Url=.../.../.../Url",
"Username=.../.../Username", "ApiToken=.../.../ApiToken",
"ClientCertificate=.../.../ClientCertificate", "ProjectId=.../.../Setup.ProjectId",
"IssueTypeId=.../.../Setup.IssueTypeId" }, AssistanceExecution.Always)]
public string Field { get; set; }
```

## Property Value

[string](#)

## Target

```
public ImportFilter.ImportFilterTarget Target { get; set; }
```

### Property Value

[ImportFilter.ImportFilterTarget](#)

## Value

```
public ImportFilterValue Value { get; set; }
```

### Property Value

[ImportFilterValue](#)

# Enum ImportFilter.ImportFilterTarget

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {  
    ImportFilter.ImportFilterTarget.Issue })]  
public enum ImportFilter.ImportFilterTarget
```

## Fields

Issue = 0

IssueVersion = 1

# Class ImportFilterValue

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ImportFilterValue
```

## Inheritance

[object](#) ← ImportFilterValue

## Inherited Members

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

# Properties

## DateFilterType

```
[Augmentation(typeof(ValueVisibleAugmenter), new string[] { "Url=../../../../Url",
    "Username=../../../../Username", "ApiToken=../../../../ApiToken",
    "ClientCertificate=../../../../ClientCertificate", "ProjectId=../../../../Setup.ProjectId",
    "IssueTypeId=../../../../Setup.IssueTypeId", "FieldId=../Field" }, AssistanceExecution.Always)]
public ImportFilterValue.ImportFilterValueDateFilterType DateFilterType { get; set; }
```

## Property Value

[ImportFilterValue.ImportFilterValueDateFilterType](#)

## DateValue

```
[Augmentation(typeof(DateValueVisibleAugmenter), new string[] { "Url=../../../../Url",
    "Username=../../../../Username", "ApiToken=../../../../ApiToken",
    "ClientCertificate=../../../../ClientCertificate", "ProjectId=../../../../Setup.ProjectId",
    "IssueTypeId=../../../../Setup.IssueTypeId", "FieldId=../Field",
```

```
"DateFilterType=DateFilterType" }, AssistanceExecution.Always)]  
public DateTime? DateValue { get; set; }
```

## Property Value

[DateTime](#)?

## NumericValue

```
[Augmentation(typeof(ValueVisibleAugmenter), new string[] { "Url=../../../../Url",  
"Username=../../../../Username", "ApiToken=../../../../ApiToken",  
"ClientCertificate=../../../../ClientCertificate", "ProjectId=../../../../Setup.ProjectId",  
"IssueTypeId=../../../../Setup.IssueTypeId", "FieldId=../Field" }, AssistanceExecution.Always)]  
public double? NumericValue { get; set; }
```

## Property Value

[double](#)?

## Operator

```
[Augmentation(typeof(ValueOperatorAugmenter), new string[] { "Url=../../../../Url",  
"Username=../../../../Username", "ApiToken=../../../../ApiToken",  
"ClientCertificate=../../../../ClientCertificate", "ProjectId=../../../../Setup.ProjectId",  
"IssueTypeId=../../../../Setup.IssueTypeId", "FieldId=../Field" }, AssistanceExecution.Always)]  
public ImportFilterValue.ImportFilterValueOperator Operator { get; set; }
```

## Property Value

[ImportFilterValue.ImportFilterValueOperator](#)

## SelectedValues

```
[Augmentation(typeof(SelectedValueAugmenter), new string[] { "Url=../../../../Url",  
"Username=../../../../Username", "ApiToken=../../../../ApiToken",  
"ClientCertificate=../../../../ClientCertificate", "ProjectId=../../../../Setup.ProjectId",
```

```
"IssueTypeId=.../.../.../Setup.IssueTypeId", "FieldId=../Field" }, AssistanceExecution.Always)]  
public string[] SelectedValues { get; set; }
```

Property Value

[string](#)[]

TextValue

```
[Augmentation(typeof(ValueVisibleAugmenter), new string[] { "Url=.../.../.../.../Url",  
"Username=.../.../.../Username", "ApiToken=.../.../.../ApiToken",  
"ClientCertificate=.../.../.../ClientCertificate", "ProjectId=.../.../Setup.ProjectId",  
"IssueTypeId=.../.../.../Setup.IssueTypeId", "FieldId=../Field" }, AssistanceExecution.Always)]  
public string TextValue { get; set; }
```

Property Value

[string](#)

# Enum ImportFilterValue.ImportFilterValueDateFilterType

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {
    ImportFilterValue.ImportFilterValueDateFilterType.SelectedDate })]
public enum ImportFilterValue.ImportFilterValueDateFilterType
```

## Fields

ProjectEndDate = 2

ProjectStartDate = 1

SelectedDate = 0

# Enum ImportFilterValue.ImportFilterValue Operator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {
    ImportFilterValue.ImportFilterValueOperator.Equal })]
public enum ImportFilterValue.ImportFilterValueOperator
```

## Fields

Contains = 1

EndsWith = 3

Equal = 0

Greater = 4

GreaterThan = 5

Less = 6

LessThan = 7

StartsWith = 2

# Class ImportFiltering

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ImportFiltering
```

## Inheritance

[object](#) ← ImportFiltering

## Inherited Members

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

# Properties

## Filters

```
public ImportFilter[] Filters { get; set; }
```

## Property Value

[ImportFilter\[\]](#)

# Class ImportMapping

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ImportMapping
```

## Inheritance

[object](#) ← ImportMapping

## Inherited Members

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

# Properties

## ArtifactInnerPath

```
public ImportMappingStringField[] ArtifactInnerPath { get; set; }
```

### Property Value

[ImportMappingStringField\[\]](#)

## ArtifactPath

```
public ImportMappingStringField ArtifactPath { get; set; }
```

### Property Value

[ImportMappingStringField](#)

## Deadline

```
public ImportMappingDateField Deadline { get; set; }
```

Property Value

[ImportMappingDateField](#)

Description

```
public ImportMappingStringField Description { get; set; }
```

Property Value

[ImportMappingStringField](#)

IssueMessage

```
public ImportMappingStringField IssueMessage { get; set; }
```

Property Value

[ImportMappingStringField](#)

Measure

```
public ImportMappingStringField Measure { get; set; }
```

Property Value

[ImportMappingStringField](#)

State

```
public ImportMappingStringField State { get; set; }
```

Property Value

[ImportMappingStringField](#)

## SubjectName

```
public ImportMappingStringField SubjectName { get; set; }
```

Property Value

[ImportMappingStringField](#)

## SubjectPath

```
public ImportMappingStringField[] SubjectPath { get; set; }
```

Property Value

[ImportMappingStringField\[\]](#)

## SubjectPathForArtifact

```
public ImportMappingStringField[] SubjectPathForArtifact { get; set; }
```

Property Value

[ImportMappingStringField\[\]](#)

## SubjectType

```
public ImportMappingStringField SubjectType { get; set; }
```

Property Value

[ImportMappingStringField](#)

# Class ImportMappingDateField

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ImportMappingDateField : ImportMappingFieldBase
```

## Inheritance

[object](#) ← [ImportMappingFieldBase](#) ← ImportMappingDateField

## Inherited Members

[ImportMappingFieldBase.FromJira](#) , [ImportMappingFieldBase.Regex](#) , [ImportMappingFieldBase.Value](#) ,  
[ImportMappingFieldBase.StaticValue](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Properties

## Field

```
[Augmentation(typeof(RequiredFromParentAugmenter), null, AssistanceExecution.Always)]
[Augmentation(typeof(VisibleInTableAugmenter), new string[] { "Visible=FromJira"
}, AssistanceExecution.Always)]
[Augmentation(typeof(DateFieldOptionsAugmenter), new string[] { "Url=../../../../../Url",
"Username=../../../../Username", "ApiToken=../../../../ApiToken",
"ClientCertificate=../../../../ClientCertificate", "ProjectId=../../../../Setup.ProjectId",
"IssueTypeId=../../../../Setup.IssueTypeId" }, AssistanceExecution.Always)]
public string Field { get; set; }
```

## Property Value

[string](#)

# Class ImportMappingFieldBase

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ImportMappingFieldBase
```

## Inheritance

[object](#) ← ImportMappingFieldBase

## Derived

[ImportMappingDateField](#), [ImportMappingStringField](#)

## Inherited Members

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

# Properties

## FromJira

```
public bool FromJira { get; set; }
```

## Property Value

[bool](#)

## Regex

```
[Augmentation(typeof(RequiredFromParentAugmenter), null, AssistanceExecution.Always)]
[Augmentation(typeof(VisibleInTableAugmenter), new string[] { "Visible=FromJira"
}, AssistanceExecution.Always)]
[Augmentation(typeof(NotDisabledFromFieldAugmenter), new string[] { "Field=Field"
}, AssistanceExecution.Always)]
public string Regex { get; set; }
```

## Property Value

[string](#) ↗

## StaticValue

```
[Augmentation(typeof(RequiredFromParentAugmenter), null, AssistanceExecution.Always)]
[Augmentation(typeof(NotVisibleInTableAugmenter), new string[] { "NotVisible=FromJira"
}, AssistanceExecution.Always)]
public string StaticValue { get; set; }
```

## Property Value

[string](#) ↗

## Value

```
[Augmentation(typeof(RequiredFromParentAugmenter), null, AssistanceExecution.Always)]
[Augmentation(typeof(VisibleInTableAugmenter), new string[] { "Visible=FromJira"
}, AssistanceExecution.Always)]
[Augmentation(typeof(NotDisabledFromFieldAugmenter), new string[] { "Field=Field"
}, AssistanceExecution.Always)]
public string Value { get; set; }
```

## Property Value

[string](#) ↗

# Class ImportMappingStringField

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ImportMappingStringField : ImportMappingFieldBase
```

## Inheritance

[object](#) ← [ImportMappingFieldBase](#) ← ImportMappingStringField

## Inherited Members

[ImportMappingFieldBase.FromJira](#) , [ImportMappingFieldBase.Regex](#) , [ImportMappingFieldBase.Value](#) ,  
[ImportMappingFieldBase.StaticValue](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Properties

## Field

```
[Augmentation(typeof(RequiredFromParentAugmenter), null, AssistanceExecution.Always)]
[Augmentation(typeof(VisibleInTableAugmenter), new string[] { "Visible=FromJira"
}, AssistanceExecution.Always)]
[Augmentation(typeof(StringFieldOptionsAugmenter), new string[] { "Url=../../../../../Url",
"Username=../../../../Username", "ApiToken=../../../../ApiToken",
"ClientCertificate=../../../../ClientCertificate", "ProjectId=../../../../Setup.ProjectId",
"IssueTypeId=../../../../Setup.IssueTypeId" }, AssistanceExecution.Always)]
public string Field { get; set; }
```

## Property Value

[string](#)

# Class ImportSetup

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ImportSetup
```

## Inheritance

[object](#) ← ImportSetup

## Inherited Members

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

# Properties

## IssueTypeId

```
[Augmentation(typeof(ProjectIssueTypeOptionsAugmenter), new string[] {  
    "Url=../../Url", "Username=../../Username", "ApiToken=../../ApiToken",  
    "ClientCertificate=../../ClientCertificate", "ProjectId=ProjectId"  
}, AssistanceExecution.Always)]  
public string IssueTypeId { get; set; }
```

## Property Value

[string](#)

## ProjectId

```
[Augmentation(typeof(ProjectOptionsAugmenter), new string[] { "Url=../../Url",  
    "Username=../../Username", "ApiToken=../../ApiToken",  
    "ClientCertificate=../../ClientCertificate" }, AssistanceExecution.Always)]  
public string ProjectId { get; set; }
```

## Property Value

[string ↗](#)

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jira.FormsValidators

## Classes

[ApiValidatorBase<TFieldAttribute>](#)

[AuthenticationValidator](#)

# Class ApiValidatorBase<TFieldAttribute>

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Validators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ApiValidatorBase<TFieldAttribute> :  
    FormFieldValidator<JiraIssueApiConnector, TFieldAttribute>, IFormFieldAssistant where  
    TFieldAttribute : FieldAttributeBase
```

## Type Parameters

[TFieldAttribute](#)

## Inheritance

```
object ↵ ← FormFieldAssistantBase<JiralssueApiConnector> ←  
FormFieldValidator<JiralssueApiConnector, TFieldAttribute> ← ApiValidatorBase<TFieldAttribute>
```

## Implements

[IFormFieldAssistant](#)

## Derived

[AuthenticationValidator](#)

## Inherited Members

```
FormFieldValidator<JiralssueApiConnector, TFieldAttribute>.Validate(IFieldAttribute),  
FormFieldValidator<JiralssueApiConnector, TFieldAttribute>.InitializeCacheKey(FieldAttributeBase),  
FormFieldValidator<JiralssueApiConnector, TFieldAttribute>.Validate(TFieldAttribute),  
FormFieldAssistantBase<JiralssueApiConnector>.Adapter,  
FormFieldAssistantBase<JiralssueApiConnector>.FieldPath,  
FormFieldAssistantBase<JiralssueApiConnector>.Context,  
FormFieldAssistantBase<JiralssueApiConnector>.ExecutionEnvironment,  
FormFieldAssistantBase<JiralssueApiConnector>.Assistance,  
FormFieldAssistantBase<JiralssueApiConnector>.Identifier,  
FormFieldAssistantBase<JiralssueApiConnector>.CacheKey,  
FormFieldAssistantBase<JiralssueApiConnector>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAssistantBase<JiralssueApiConnector>.AddFieldError(string),  
FormFieldAssistantBase<JiralssueApiConnector>.AddError(string, string),  
FormFieldAssistantBase<JiralssueApiConnector>.AddErrorFromResponse(RestResponse, string),  
object.ToString() ↵ , object.Equals(object) ↵ , object.Equals(object, object) ↵ ,
```

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

## Properties

### ApiToken

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

#### Property Value

[string](#)

### Authentication

```
public JiraIssueDataLocationForm.AuthenticationType Authentication { get; set; }
```

#### Property Value

[JiraIssueDataLocationForm.AuthenticationType](#)

### ClientCertificate

```
public ClientCertificate ClientCertificate { get; set; }
```

#### Property Value

[ClientCertificate](#)

### Url

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

Property Value

[string](#) ↗

## UserName

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

Property Value

[string](#) ↗

# Class AuthenticationValidator

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Forms.Validators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class AuthenticationValidator : ApiValidatorBase<FieldAttributeBase>,
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<JiralIssueApiConnector> ←
FormFieldValidator<JiralIssueApiConnector, FieldAttributeBase> ←
ApiValidatorBase<FieldAttributeBase> ← AuthenticationValidator
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
ApiValidatorBase<FieldAttributeBase>.Url , ApiValidatorBase<FieldAttributeBase>.Authentication ,
ApiValidatorBase<FieldAttributeBase>.UserName , ApiValidatorBase<FieldAttributeBase>.ApiToken ,
ApiValidatorBase<FieldAttributeBase>.ClientCertificate ,
FormFieldValidator<JiralIssueApiConnector, FieldAttributeBase>.Validate(IFieldAttribute) ,
FormFieldValidator<JiralIssueApiConnector, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldValidator<JiralIssueApiConnector, FieldAttributeBase>.Validate(FieldAttributeBase) ,
FormFieldAssistantBase<JiralIssueApiConnector>.Adapter ,
FormFieldAssistantBase<JiralIssueApiConnector>.FieldPath ,
FormFieldAssistantBase<JiralIssueApiConnector>.Context ,
FormFieldAssistantBase<JiralIssueApiConnector>.ExecutionEnvironment ,
FormFieldAssistantBase<JiralIssueApiConnector>.Assistance ,
FormFieldAssistantBase<JiralIssueApiConnector>.Identifier ,
FormFieldAssistantBase<JiralIssueApiConnector>.CacheKey ,
FormFieldAssistantBase<JiralIssueApiConnector>.InitializeCacheKey(FieldAttributeBase) ,
FormFieldAssistantBase<JiralIssueApiConnector>.AddFieldError(string) ,
FormFieldAssistantBase<JiralIssueApiConnector>.AddError(string, string) ,
FormFieldAssistantBase<JiralIssueApiConnector>.AddErrorFromResponse(RestResponse, string) ,
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,
object.MemberwiseClone() ↗
```

## Methods

### Validate(FieldAttributeBase)

```
public override bool Validate(FieldAttributeBase fieldConfig)
```

#### Parameters

**fieldConfig** [FieldAttributeBase](#)

#### Returns

[bool](#) ↗

# Namespace MES.MQC.DataSourceLibrary. Adapters.Apis.Jira.Models

## Classes

[FieldSelectOption](#)

[IssueAsFinding](#)

[IssueTypeSelectOption](#)

[IssueVersion](#)

[ProjectSelectOption](#)

# Class FieldSelectOption

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Models](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class FieldSelectOption : OptionWithLabel
```

## Inheritance

[object](#) ← [OptionWithLabel](#) ← FieldSelectOption

## Inherited Members

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

# Properties

## Field

```
public Field Field { get; set; }
```

## Property Value

[Field](#)

# Class IssueAsFinding

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Models](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class IssueAsFinding
```

## Inheritance

[object](#) ← IssueAsFinding

## Inherited Members

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

# Properties

## ArtifactInnerPath

```
public string[] ArtifactInnerPath { get; set; }
```

### Property Value

[string](#)[]

## ArtifactPath

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

### Property Value

[string](#)

## Created

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

Property Value

[DateTime](#) ↗

DataSourceName

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

Property Value

[string](#) ↗

DateTime

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

Property Value

[DateTime](#) ↗

Deadline

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

Property Value

[DateTime](#) ↗?

Description

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

Property Value

[string](#)

## DescriptionAsHtml

```
public bool DescriptionAsHtml { get; set; }
```

Property Value

[bool](#)

## Identifier

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

Property Value

[string](#)

## IssueMessage

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

Property Value

[string](#)

## IssueMessageAsHtml

```
public bool IssueMessageAsHtml { get; set; }
```

Property Value

[bool](#)

Measure

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

Property Value

[string](#)

MeasurementName

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

Property Value

[string](#)

State

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

Property Value

[string](#)

SubjectName

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

Property Value

[string](#)

## SubjectPath

```
public string[] SubjectPath { get; set; }
```

Property Value

[string](#)[]

## SubjectPathForArtifact

```
public string[] SubjectPathForArtifact { get; set; }
```

Property Value

[string](#)[]

## SubjectType

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

Property Value

[string](#)

## Versions

```
public List<IssueAsFinding> Versions { get; set; }
```

## Property Value

[List](#) <[IssueAsFinding](#)>

# Class IssueTypeSelectOption

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Models](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class IssueTypeSelectOption : OptionWithLabel
```

## Inheritance

[object](#) ← [OptionWithLabel](#) ← IssueTypeSelectOption

## Inherited Members

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

# Properties

## IssueType

```
public IssueType IssueType { get; set; }
```

## Property Value

[IssueType](#)

# Class IssueVersion

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Models](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class IssueVersion
```

## Inheritance

[object](#) ← IssueVersion

## Inherited Members

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

## Constructors

### IssueVersion(IssueVersion)

```
public IssueVersion(IssueVersion issueVersion)
```

#### Parameters

issueVersion [IssueVersion](#)

### IssueVersion(Issue)

```
public IssueVersion(Issue issue)
```

#### Parameters

issue [Issue](#)

## Properties

## ChangedFields

```
public List<string> ChangedFields { get; set; }
```

Property Value

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

## DateTime

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

Property Value

[DateTime](#)

## Fields

```
public Dictionary<string, dynamic> Fields { get; set; }
```

Property Value

[Dictionary](#) <[string](#), [dynamic](#)>

## Id

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

Property Value

[string](#)

## Methods

## GetValue(string)

```
public object GetValue(string field)
```

Parameters

**field** [string](#)

Returns

[object](#)

## GetValue<T>(string)

```
public T GetValue<T>(string field)
```

Parameters

**field** [string](#)

Returns

T

Type Parameters

T

# Class ProjectSelectOption

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Models](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectSelectOption : OptionWithLabel
```

## Inheritance

[object](#) ← [OptionWithLabel](#) ← ProjectSelectOption

## Inherited Members

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

# Properties

## Project

```
public Project Project { get; set; }
```

## Property Value

[Project](#)

# Namespace MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response

## Classes

[Field](#)

[Field.FieldAllowedValues](#)

[Field.FieldSchema](#)

[FieldResponse](#)

[Issue](#)

[IssueChangeLog](#)

[IssueChangeLog.IssueChangeLogItem](#)

[IssueChangeLogResponse](#)

[IssueResponse](#)

[IssueType](#)

[Project](#)

[ResponseBase](#)

[Scope](#)

[Status](#)

[StatusResponse](#)

[User](#)

## Enums

[Field.FieldSchema.SchemaType](#)

[Scope.ScopeType](#)

# Class Field

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Field
```

## Inheritance

[object](#) ← Field

## Inherited Members

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

# Properties

## AllowedValues

```
public Field.FieldAllowedValues[] AllowedValues { get; set; }
```

### Property Value

[FieldAllowedValues\[\]](#)

## AutoCompleteUrl

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

### Property Value

[string](#)

## FieldId

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

Property Value

[string](#)

HasDefaultValue

```
public bool HasDefaultValue { get; set; }
```

Property Value

[bool](#)

IsArrayType

```
public bool IsArrayType { get; }
```

Property Value

[bool](#)

IsDateTimeType

```
public bool IsDateTimeType { get; }
```

Property Value

[bool](#)

IsNumberType

```
public bool IsNumberType { get; }
```

Property Value

[bool](#)

## IsStringType

```
public bool IsStringType { get; }
```

Property Value

[bool](#)

## Key

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

Property Value

[string](#)

## Name

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

Property Value

[string](#)

## Operations

```
public string[] Operations { get; set; }
```

Property Value

[string](#)[]

Required

```
public bool Required { get; set; }
```

Property Value

[bool](#)

Schema

```
public Field.FieldSchema Schema { get; set; }
```

Property Value

[Field.FieldSchema](#)

# Class Field.FieldAllowedValues

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Field.FieldAllowedValues
```

## Inheritance

[object](#) ← Field.FieldAllowedValues

## Inherited Members

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

# Properties

## AvatarId

```
public int? AvatarId { get; set; }
```

### Property Value

[int](#)?

## AvatarUrls

```
public Dictionary<string, string> AvatarUrls { get; set; }
```

### Property Value

[Dictionary](#)<[string](#), [string](#)>

## Description

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

Property Value

[string](#)

## EntityId

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

Property Value

[string](#)

## HierarchyLevel

```
public int? HierarchyLevel { get; set; }
```

Property Value

[int](#)?

## IconUrl

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

Property Value

[string](#)

## Id

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

Property Value

[string](#) ↗

Key

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

Property Value

[string](#) ↗

Name

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

Property Value

[string](#) ↗

Option

```
public OptionWithLabel Option { get; }
```

Property Value

[OptionWithLabel](#)

ProjectTypeKey

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

Property Value

[string](#) ↗

Self

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

Property Value

[string](#) ↗

Simplified

```
public bool? Simplified { get; set; }
```

Property Value

[bool](#) ↗?

Subtask

```
public bool? Subtask { get; set; }
```

Property Value

[bool](#) ↗?

Value

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

Property Value

[string](#) ↗

# Class Field.FieldSchema

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Field.FieldSchema
```

## Inheritance

[object](#) ← Field.FieldSchema

## Inherited Members

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

# Properties

## Custom

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

### Property Value

[string](#)

## CustomId

```
public int? CustomId { get; set; }
```

### Property Value

[int](#)?

## Items

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

Property Value

[string](#) ↗

## System

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

Property Value

[string](#) ↗

## Type

```
public Field.FieldSchema.SchemaType Type { get; set; }
```

Property Value

[Field.FieldSchema.SchemaType](#)

# Enum Field.FieldSchema.SchemaType

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {  
    Field.FieldSchema.SchemaType.String })]  
public enum Field.FieldSchema.SchemaType
```

## Fields

Any = 3

Array = 1

Date = 4

DateTime = 5

Id = 13

IssueLink = 9

IssueType = 8

Number = 2

Option = 6

Priority = 10

Project = 11

Status = 12

String = 7

User = 0

# Class FieldResponse

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class FieldResponse : ResponseBase
```

## Inheritance

[object](#) ← [ResponseBase](#) ← FieldResponse

## Inherited Members

[ResponseBase.StartAt](#) , [ResponseBase.MaxResults](#) , [ResponseBase.Total](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Properties

## Fields

```
public Field[] Fields { get; set; }
```

## Property Value

[Field\[\]](#)

# Class Issue

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Issue
```

## Inheritance

[object](#) ← Issue

## Inherited Members

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

# Properties

## Expand

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

## Property Value

[string](#)

# Fields

```
public Dictionary<string, dynamic> Fields { get; set; }
```

## Property Value

[Dictionary](#)<[string](#), [dynamic](#)>

# Id

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

Property Value

[string](#)

Key

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

Property Value

[string](#)

Self

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

Property Value

[string](#)

## Methods

### GetValue(string)

```
public object GetValue(string field)
```

Parameters

`field` [string](#)

Returns

[object](#)

## GetValue<T>(string)

`public T GetValue<T>(string field)`

Parameters

`field string`

Returns

`T`

Type Parameters

`T`

# Class IssueChangeLog

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class IssueChangeLog
```

## Inheritance

[object](#) ← IssueChangeLog

## Inherited Members

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

# Properties

## Author

```
public User Author { get; set; }
```

## Property Value

[User](#)

## Created

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

## Property Value

[DateTime](#)

## Id

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

Property Value

[string](#) ↗

## Items

```
public IssueChangeLog.IssueChangeLogItem[] Items { get; set; }
```

Property Value

[IssueChangeLogItem](#)[]

# Class IssueChangeLog.IssueChangeLogItem

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class IssueChangeLog.IssueChangeLogItem
```

## Inheritance

[object](#) ← IssueChangeLog.IssueChangeLogItem

## Inherited Members

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

# Properties

## Field

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

### Property Value

[string](#)

## FieldId

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

### Property Value

[string](#)

## Fieldtype

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

Property Value

[string](#)

From

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

Property Value

[string](#)

FromString

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

Property Value

[string](#)

To

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

Property Value

[string](#)

ToString

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

Property Value

[string](#) ↗

# Class IssueChangeLogResponse

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class IssueChangeLogResponse : ResponseBase
```

## Inheritance

[object](#) ← [ResponseBase](#) ← IssueChangeLogResponse

## Inherited Members

[ResponseBase.StartAt](#) , [ResponseBase.MaxResults](#) , [ResponseBase.Total](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Properties

## Values

```
public IssueChangeLog[] Values { get; set; }
```

## Property Value

[IssueChangeLog\[\]](#)

# Class IssueResponse

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class IssueResponse : ResponseBase
```

## Inheritance

[object](#) ← [ResponseBase](#) ← IssueResponse

## Inherited Members

[ResponseBase.StartAt](#) , [ResponseBase.MaxResults](#) , [ResponseBase.Total](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Properties

## Issues

```
public Issue[] Issues { get; set; }
```

## Property Value

[Issue\[\]](#)

# Class IssueType

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class IssueType
```

## Inheritance

[object](#) ← IssueType

## Inherited Members

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

## Properties

### AvatarId

```
public int AvatarId { get; set; }
```

#### Property Value

[int](#)

### Description

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

#### Property Value

[string](#)

### HierarchyLevel

```
public int HierarchyLevel { get; set; }
```

Property Value

[int ↗](#)

IconUrl

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

Property Value

[string ↗](#)

Id

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

Property Value

[string ↗](#)

Name

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

Property Value

[string ↗](#)

Scope

```
public Scope Scope { get; set; }
```

Property Value

[Scope](#)

Self

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

Property Value

[string](#)

Subtask

```
public bool Subtask { get; set; }
```

Property Value

[bool](#)

UntranslatedName

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

Property Value

[string](#)

# Class Project

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Project
```

## Inheritance

[object](#) ← Project

## Inherited Members

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

# Properties

## AvatarUrls

```
public Dictionary<string, string> AvatarUrls { get; set; }
```

## Property Value

[Dictionary](#)<[string](#), [string](#)>

## EntityId

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

## Property Value

[string](#)

## Expand

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

Property Value

[string](#) ↗

Id

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

Property Value

[string](#) ↗

IsPrivate

```
public bool IsPrivate { get; set; }
```

Property Value

[bool](#) ↗

IssueTypes

```
public IssueType[] IssueTypes { get; set; }
```

Property Value

[IssueType](#)[]

Key

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

Property Value

[string](#) ↗

Name

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

Property Value

[string](#) ↗

ProjectTypeKey

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

Property Value

[string](#) ↗

Self

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

Property Value

[string](#) ↗

Simplified

```
public bool Simplified { get; set; }
```

Property Value

[bool](#)

Style

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

Property Value

[string](#)

Uuid

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

Property Value

[string](#)

# Class ResponseBase

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ResponseBase
```

## Inheritance

[object](#) ← ResponseBase

## Derived

[FieldResponse](#), [IssueChangeLogResponse](#), [IssueResponse](#), [StatusResponse](#)

## Inherited Members

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

# Properties

## MaxResults

```
public int MaxResults { get; set; }
```

### Property Value

[int](#)

## StartAt

```
public int StartAt { get; set; }
```

### Property Value

[int](#)

## Total

```
public int Total { get; set; }
```

Property Value

[int ↗](#)

# Class Scope

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Scope
```

## Inheritance

[object](#) ← Scope

## Inherited Members

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

# Properties

## Project

```
public Project Project { get; set; }
```

### Property Value

[Project](#)

## Type

```
public Scope.ScopeType Type { get; set; }
```

### Property Value

[Scope.ScopeType](#)

# Enum Scope.ScopeType

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {  
    Scope.ScopeType.PROJECT })]  
public enum Scope.ScopeType
```

## Fields

PROJECT = 0

# Class Status

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Status
```

## Inheritance

[object](#) ← Status

## Inherited Members

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

# Properties

## Description

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

### Property Value

[string](#)

## Id

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

### Property Value

[string](#)

## Name

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

Property Value

[string](#)

Scope

```
public Scope Scope { get; set; }
```

Property Value

[Scope](#)

StatusCategory

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

Property Value

[string](#)

Usages

```
public string[] Usages { get; set; }
```

Property Value

[string](#)[]

WorkflowUsages

```
public string[] WorkflowUsages { get; set; }
```

Property Value

[string](#)[]

# Class StatusResponse

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class StatusResponse : ResponseBase
```

## Inheritance

[object](#) ← [ResponseBase](#) ← StatusResponse

## Inherited Members

[ResponseBase.StartAt](#) , [ResponseBase.MaxResults](#) , [ResponseBase.Total](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Properties

## Values

```
public Status[] Values { get; set; }
```

## Property Value

[Status\[\]](#)

# Class User

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Apis.Jira.Response](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class User
```

## Inheritance

[object](#) ← User

## Inherited Members

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

# Properties

## AccountId

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

### Property Value

[string](#)

## AccountType

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

### Property Value

[string](#)

## Active

```
public bool Active { get; set; }
```

Property Value

[bool](#)

## AvatarUrls

```
public Dictionary<string, string> AvatarUrls { get; set; }
```

Property Value

[Dictionary](#)<[string](#), [string](#)>

## DisplayName

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

Property Value

[string](#)

## EmailAddress

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

Property Value

[string](#)

## Self

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

Property Value

[string](#) ↗

TimeZone

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

Property Value

[string](#) ↗

# Namespace MES.MQC.DataSourceLibrary.Adapters.Files

## Classes

[AstreeXmlFileReader](#)

[AstreeXmlFileReader.FileReaderAdapterOptions](#)

[CodeClimateJsonFileReader](#)

[CodeClimateJsonFileReader.FileReaderAdapterOptions](#)

[DataTemplateFileReader](#)

[DotCoverXmlFileReader](#)

[DotCoverXmlFileReader.FileReaderAdapterOptions](#)

[EmbeddedTesterHtmlFileReader](#)

[EmbeddedTesterHtmlFileReader.FileReaderAdapterOptions](#)

[GenericDataSheetFileReader](#)

[GenericDataSheetFileReader.FileReaderAdapterOptions](#)

[GenericDataSheetFileReader.FindingDefinition](#)

[GenericDataSheetFileReader.ImportDefinition](#)

[GenericDataSheetFileReader.ImportDefinitionBase](#)

[GenericDataSheetFileReader.ImportVariant](#)

[GenericDataSheetFileReader.RowFinding](#)

[JUnitXmlFileReader](#)

[JUnitXmlFileReader.FileReaderAdapterOptions](#)

[JUnitXmlFileReader.JUnitFinding](#)

[MtestHtmlFileReader](#)

[MtestHtmlFileReader.Assessment](#)

[MtestHtml.FileReader.FileReaderAdapterOptions](#)

[MtestHtml.FileReader.Requirement](#)

[MtestHtml.FileReader.Testcase](#)

[MxSuiteXml.FileReader](#)

[MxSuiteXml.FileReader.FileReaderAdapterOptions](#)

[MxamExcel.FileReader](#)

[MxamExcel.FileReader.FileReaderAdapterOptions](#)

[MxamMxml.FileReader](#)

[MxamMxml.FileReader.FileReaderAdapterOptions](#)

[Mxray.Html.FileReader](#)

[Mxray.Html.FileReader.FileReaderAdapterOptions](#)

[Mxray.Xml.FileReader](#)

[Mxray.Xml.FileReader.FileReaderAdapterOptions](#)

[Polyspace.Csv.FileReader](#)

[Polyspace.Csv.FileReader.FileReaderAdapterOptions](#)

[Polyspace.Xml.FileReader](#)

[Polyspace.Xml.FileReader.FileReaderAdapterOptions](#)

[Qac.Html.FileReader](#)

[Qac.Html.FileReader.FileReaderAdapterOptions](#)

[Qac.Xml.FileReader](#)

[Qac.Xml.FileReader.FileReaderAdapterOptions](#)

[Rtrt.Html.FileReader](#)

[Rtrt.Html.FileReader.FileReaderAdapterOptions](#)

[SICheck.Html.FileReader](#)

[SICheckHtmlFileReader.FileReaderAdapterOptions](#)

[SIDesignVerifierHtmlFileReader](#)

[SIDesignVerifierHtmlFileReader.FileReaderAdapterOptions](#)

[SIRequirementHtmlFileReader](#)

[SIRequirementHtmlFileReader.FileReaderAdapterOptions](#)

[TargetLinkHtmlFileReader](#)

[TargetLinkHtmlFileReader.FileReaderAdapterOptions](#)

[TessyXmlFileReader](#)

[TessyXmlFileReader.FileReaderAdapterOptions](#)

[TestwellCtcHtmlFileReader](#)

[TestwellCtcHtmlFileReader.FileReaderAdapterOptions](#)

[TestwellCtcXmlFileReader](#)

[TestwellCtcXmlFileReader.FileReaderAdapterOptions](#)

[TptHtmlFileReader](#)

[TptHtmlFileReader.FileReaderAdapterOptions](#)

[TptHtmlFileReader.Requirement](#)

[TptHtmlFileReader.TptAssesslet](#)

[TptXmlFileReader](#)

[TptXmlFileReader.FileReaderAdapterOptions](#)

[TptXmlFileReader.MeasurementFromXmlMatch](#)

[TptXmlFileReader.MeasurementNameFromXml](#)

[VTestStudioHtmlFileReader](#)

[VTestStudioHtmlFileReader.FileReaderAdapterOptions](#)

## Enums

[DotCoverXmlFileReader.DotCoverArtifactType](#)

[DotCoverXmlFileReader.DotCoverFindingType](#)

[GenericDataSheetFileReader.ImportAggregation](#)

[GenericDataSheetFileReader.ImportValueFormat](#)

# Class AstreeXmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class AstreeXmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [AstreeXmlFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableRegexFileNames](#) ,  
[FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

### Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

## Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

## Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

## Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

Property Value

[string](#)

Version

```
public override Version Version { get; }
```

Property Value

[Version](#)

## Methods

### GetHumanReadableContents(FileReaderContext)

Get the human-readable file paths. Can be overridden with a user defined function. Can be used together with GetHumanReadableFilePath, but it is recommended to only use one of the methods.

```
protected override List<IFileContent> GetHumanReadableContents(FileReaderContext context)
```

Parameters

context [FileReaderContext](#)

FileReaderContext

Returns

[List](#) <[IFileContent](#)>

List of human readable files

## GetRelatedContentRequests(FileReaderContext)

```
public override List<RelatedContentRequest> GetRelatedContentRequests(FileReaderContext context)
```

### Parameters

context [FileReaderContext](#)

### Returns

[List](#) <[RelatedContentRequest](#)>

## IsValid(FileReaderContext)

Check if element exists in Document

```
protected override bool IsValid(FileReaderContext context)
```

### Parameters

context [FileReaderContext](#)

Context of file

### Returns

[bool](#)

true if file is a valid Astree report file

## Read(FileReaderContext)

Read 'errors','runtime\_errors','flow\_anomalies','data\_races','ruleViolations' attributes from summary element inside analysis. Also read 'statement\_count','not\_reached\_count' attributes from 'coverage' element inside analysis.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

## Examples

# Class AstreeXmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class AstreeXmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←

AstreeXmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,

[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,

[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,

[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,

[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,

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

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

# Class CodeClimateJsonFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class CodeClimateJsonFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [CodeClimateJsonFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableRegexFileNames](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Description](#) , [AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

## ReportDateTimeExpected

Is it expected to get a reportDateTime in the report? If this is false the ReportDateTime is the CreationDate of the file without a warning.

```
protected override bool ReportDateTimeExpected { get; }
```

Property Value

[bool](#)

## Version

```
public override Version Version { get; }
```

Property Value

[Version](#)

## Methods

### IsValid(FileReaderContext)

IsValid has to be implemented by the Adapter class. The method is called when the file extensions match. If the file extension is unique, this method can just return true, otherwise it should check if the file should be imported by the adapter. If true is returned, the current adapter is executed and the Read method is called. No other adapter is checked afterward.

```
protected override bool IsValid(FileReaderContext context)
```

Parameters

context [FileReaderContext](#)

FileReaderContext

Returns

[bool](#)

boolean (is this the correct adapter to read the file?)

## Read(FileReaderContext)

Read has to be implemented by the Adapter class. This method is called when the file extensions match and isValid returns true, no other adapter is called. The data of the file should be read and returned as a AdapterReadResult.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

### Parameters

context [FileReaderContext](#)

FileReaderContext

### Returns

[AdapterReadResult](#)

AdapterReadResult

# Class CodeClimateJsonFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class CodeClimateJsonFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
CodeClimateJsonFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### DataSourceNameMapping

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public Dictionary<string, string> DataSourceNameMapping { get; set; }
```

### Property Value

[Dictionary](#)<[string](#), [string](#)>

### MeasurementNameMapping

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public Dictionary<string, string> MeasurementNameMapping { get; set; }
```

## Property Value

[Dictionary](#) <[string](#), [string](#)>

# Class DataTemplateFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class DataTemplateFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← DataTemplateFileReader

## Inherited Members

[FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableRegexFileNames](#) ,  
[FileReader.ReportDateTimeExpected](#) , [FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

Property Value

[string](#)

## Priority

Lower priority than base adapters, the default is 100, for the manual import template

```
public override int Priority { get; }
```

Property Value

[int](#)

## Version

```
public override Version Version { get; }
```

Property Value

[Version](#)

## Methods

### IsValid(FileReaderContext)

Check if the file name does not contain "Configuration"

```
protected override bool IsValid(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[bool](#) ↗

true if file is a valid manual import file

## Read(FileReaderContext)

There are 2 excel formats that can be imported by this Adapter : First format has this headers (naming and order of columns is important): Artifact|ReportDateTime|DataSource|Measure|Variable|Value  
autopilot|20.12.2017|MXAM|FindingCount|Aborted|3 Second format has this headers (naming and order of the first two columns is important):

Artifact|ReportDateTime|DataSource.Measurement.Measure|... autopilot|20.12.2017|3|... means that number of columns is in range 3...n and columns format 2 onwards is like "DataSource.Measurement.Measure.Variable", number and order of items is important. Each Excel file can contain more than one sheet, each sheet may have different format

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

## Examples

example of header for excel in format 2 : Artifact|ReportDateTime|MTest.ModelTest.Assessment Work Progress.Reached|MXAM.GuidelineAnalysis.FindingCount.Aborted

# Class DotCoverXmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class DotCoverXmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← DotCoverXmlFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableRegexFileNames](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

### Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

## Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

## Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

## Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

Property Value

[string](#)

## ReportDateTimeExpected

Is it expected to get a reportDateTime in the report? If this is false the ReportDateTime is the CreationDate of the file without a warning.

```
protected override bool ReportDateTimeExpected { get; }
```

Property Value

[bool](#)

## Version

```
public override Version Version { get; }
```

Property Value

[Version](#)

## Methods

### GetRelatedContentRequests(FileReaderContext)

Get all html files in the same folder and subfolders.

```
public override List<RelatedContentRequest> GetRelatedContentRequests(FileReaderContext
```

```
context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[List](#) <[RelatedContentRequest](#)>

List of RelatedContentRequest needs for reading the file

## IsValid(FileReaderContext)

Check if the Root element has DotCoverVersion attribute

```
protected override bool IsValid(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[bool](#)

true if file is a valid dotCover report file

## Read(FileReaderContext)

Based on the adapter option defined to retrieve either a class or a file as an artifact, read data from namespaces or statements.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

context [FileReaderContext](#)

Context of file

## Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object.

# Enum DotCoverXmlFileReader.DotCoverArtifactType

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {
    DotCoverXmlFileReader.DotCoverArtifactType.File })]
public enum DotCoverXmlFileReader.DotCoverArtifactType
```

## Fields

Class = 1

File = 0

# Enum DotCoverXmlFileReader.DotCoverFindingType

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {
    DotCoverXmlFileReader.DotCoverFindingType.Class })]
public enum DotCoverXmlFileReader.DotCoverFindingType
```

## Fields

Class = 1

File = 0

Method = 2

Statement = 3

# Class DotCoverXmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class DotCoverXmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
DotCoverXmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### DotCoverArtifactType

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public DotCoverXmlFileReader.DotCoverArtifactType DotCoverArtifactType { get; set; }
```

## Property Value

[DotCoverXmlFileReader.DotCoverArtifactType](#)

### DotCoverFindingType

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public DotCoverXmlFileReader.DotCoverFindingType DotCoverFindingType { get; set; }
```

## Property Value

[DotCoverXmlFileReader.DotCoverFindingType](#)

# Class EmbeddedTesterHtmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class EmbeddedTesterHtmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [EmbeddedTesterHtmlFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

## Version

```
public override Version Version { get; }
```

### Property Value

[Version](#)

## Methods

### GetRelatedContentRequests(FileReaderContext)

Get all html files in the same folder and subfolders.

```
public override List<RelatedContentRequest> GetRelatedContentRequests(FileReaderContext context)
```

#### Parameters

**context** [FileReaderContext](#)

Context of file

#### Returns

[List](#) <[RelatedContentRequest](#)>

List of RelatedContentRequest needs for reading the file

### IsValid(FileReaderContext)

Check if the file contains 'Requirement-based Testing' (for version = 3) Check if the file contains '' for MiL or SiL report (for version = 2) Check if the file contains '' for B2B report (for version = 2)

```
protected override bool IsValid(FileReaderContext context)
```

#### Parameters

`context` [FileReaderContext](#)

Context of file

Returns

[bool](#) ↗

true if file is a valid EmbeddedTester report file

## Read(FileReaderContext)

This function calls separate functions to fetch: ReadReportVersion ReadArtifact and ReportDateTime TestCase results and findings (MiL and/or SiL) B2B test results and findings Requirement results and findings StructuralCoverage results and findings (model and code)

`protected override AdapterReadResult Read(FileReaderContext context)`

Parameters

`context` [FileReaderContext](#)

Context of file

Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

# Class EmbeddedTesterHtmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class EmbeddedTesterHtmlFileReader.FileReaderAdapterOptions  
: FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
EmbeddedTesterHtmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### MeasureNameMapping

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public Dictionary<string, string> MeasureNameMapping { get; set; }
```

## Property Value

[Dictionary](#)<[string](#), [string](#)>

# Class GenericDataSheetFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GenericDataSheetFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [GenericDataSheetFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableRegexFileNames](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## HumanReadableFileExtensions

No human readable auto detect in same directory

```
protected override List<string> HumanReadableFileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

Property Value

[string](#)

## ReportDateTimeExpected

Is it expected to get a reportDateTime in the report? If this is false the ReportDateTime is the CreationDate of the file without a warning.

```
protected override bool ReportDateTimeExpected { get; }
```

Property Value

[bool](#)

## Version

```
public override Version Version { get; }
```

Property Value

[Version](#)

## Methods

### IsValid(FileReaderContext)

Read adapter options and Check if the file name matches with the FileExpression adapter option.

```
protected override bool IsValid(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[bool](#) ↗

true if file is a valid GenericTableData Excel file based on file expression

## Read(FileReaderContext)

Merge data tables from different sheets, filter rows, read rows as adapter data and then aggregate based on adapter options.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

# Class GenericDataSheetFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GenericDataSheetFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
GenericDataSheetFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### ImportDefinition

```
[JsonProperty(Required = Required.Always)]  
public GenericDataSheetFileReader.ImportDefinition ImportDefinition { get; set; }
```

### Property Value

[GenericDataSheetFileReader.ImportDefinition](#)

# Class GenericDataSheetFileReader.FindingDefinition

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonObject(ItemRequired = Required.DisallowNull, ItemNullValueHandling  
= NullValueHandling.Ignore)]  
public class GenericDataSheetFileReader.FindingDefinition
```

## Inheritance

[object](#) ← GenericDataSheetFileReader.FindingDefinition

## Inherited Members

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

## Properties

### ArtifactInnerPath

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string[] ArtifactInnerPath { get; set; }
```

### Property Value

[string](#)[]

### Deadline

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string Deadline { get; set; }
```

Property Value

[string](#) ↗

## DeadlineFormat

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string DeadlineFormat { get; set; }
```

Property Value

[string](#) ↗

## Description

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string Description { get; set; }
```

Property Value

[string](#) ↗

## DescriptionIsPlainText

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public bool? DescriptionIsPlainText { get; set; }
```

Property Value

[bool](#) ↗?

## IssueMessage

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string IssueMessage { get; set; }
```

Property Value

[string](#) ↗

## IssueMessageIsPlainText

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public bool? IssueMessageIsPlainText { get; set; }
```

Property Value

[bool](#) ↗?

## Measure

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string Measure { get; set; }
```

Property Value

[string](#) ↗

## State

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string State { get; set; }
```

Property Value

[string](#)

## SubjectName

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string SubjectName { get; set; }
```

### Property Value

[string](#)

## SubjectPath

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string[] SubjectPath { get; set; }
```

### Property Value

[string](#)[]

## SubjectPathForArtifact

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string[] SubjectPathForArtifact { get; set; }
```

### Property Value

[string](#)[]

## SubjectType

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string SubjectType { get; set; }
```

## Property Value

[string](#) ↗

# Enum GenericDataSheetFileReader.ImportAggregation

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {
    GenericDataSheetFileReader.ImportAggregation.Sum })]
public enum GenericDataSheetFileReader.ImportAggregation
```

## Fields

Avg = 1

Count = 2

Sum = 0

# Class GenericDataSheetFileReader.ImportDefinition

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonObject(ItemRequired = Required.DisallowNull, ItemNullValueHandling  
= NullValueHandling.Ignore)]  
public class GenericDataSheetFileReader.ImportDefinition :  
GenericDataSheetFileReader.ImportDefinitionBase
```

## Inheritance

[object](#) ← [GenericDataSheetFileReader.ImportDefinitionBase](#) ←

GenericDataSheetFileReader.ImportDefinition

## Inherited Members

[GenericDataSheetFileReader.ImportDefinitionBase.FileExpression](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.FileSheet](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.FileSheetRemoveRows](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.ReportDateTime](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.ReportDateTimeFormat](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.ReportDateTimeIgnoreTime](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.ArtifactPath](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.ArtifactName](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.DataSource](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.MeasurementName](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.MeasureName](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.VariableName](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.Value](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.ValueFormat](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.FilterExpression](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.GroupBy](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.Aggregation](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.FindingDefinition](#) , [object.ToString\(\)](#) ,

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,

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

# Properties

## Variants

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public GenericDataSheetFileReader.ImportVariant[] Variants { get; set; }
```

## Property Value

[ImportVariant\[\]](#)

# Class GenericDataSheetFileReader.ImportDefinitionBase

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonObject(ItemRequired = Required.DisallowNull, ItemNullValueHandling  
= NullValueHandling.Ignore)]  
public abstract class GenericDataSheetFileReader.ImportDefinitionBase
```

## Inheritance

[object](#) ← GenericDataSheetFileReader.ImportDefinitionBase

## Derived

[GenericDataSheetFileReader.ImportDefinition](#), [GenericDataSheetFileReader.ImportVariant](#)

## Inherited Members

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

# Properties

## Aggregation

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public GenericDataSheetFileReader.ImportAggregation? Aggregation { get; set; }
```

## Property Value

[GenericDataSheetFileReader.ImportAggregation?](#)

## ArtifactName

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string ArtifactName { get; set; }
```

Property Value

[string](#)

## ArtifactPath

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string ArtifactPath { get; set; }
```

Property Value

[string](#)

## DataSource

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string DataSource { get; set; }
```

Property Value

[string](#)

## FileExpression

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string FileExpression { get; set; }
```

Property Value

[string](#)

## FileSheet

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string FileSheet { get; set; }
```

Property Value

[string](#)

## FileSheetRemoveRows

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public int FileSheetRemoveRows { get; set; }
```

Property Value

[int](#)

## FilterExpression

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string FilterExpression { get; set; }
```

Property Value

[string](#)

## FindingDefinition

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public GenericDataSheetFileReader.FindingDefinition FindingDefinition { get; set; }
```

Property Value

[GenericDataSheetFileReader.FindingDefinition](#)

## GroupBy

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string GroupBy { get; set; }
```

Property Value

[string](#)

## MeasureName

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string MeasureName { get; set; }
```

Property Value

[string](#)

## MeasurementName

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string MeasurementName { get; set; }
```

Property Value

[string](#) ↗

## ReportDateTime

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string ReportDateTime { get; set; }
```

Property Value

[string](#) ↗

## ReportDateTimeFormat

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string ReportDateTimeFormat { get; set; }
```

Property Value

[string](#) ↗

## ReportDateTimeIgnoreTime

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public bool? ReportDateTimeIgnoreTime { get; set; }
```

Property Value

[bool](#) ↗?

## Value

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string Value { get; set; }
```

Property Value

[string](#) ↗

## ValueFormat

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public GenericDataSheetFileReader.ImportValueFormat? ValueFormat { get; set; }
```

Property Value

[GenericDataSheetFileReader.ImportValueFormat?](#)

## VariableName

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string VariableName { get; set; }
```

Property Value

[string](#) ↗

# Enum GenericDataSheetFileReader.ImportValueFormat

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {
    GenericDataSheetFileReader.ImportValueFormat.Number })]
public enum GenericDataSheetFileReader.ImportValueFormat
```

## Fields

Number = 0

TimeSpan = 1

# Class GenericDataSheetFileReader.ImportVariant

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonObject(ItemRequired = Required.DisallowNull, ItemNullValueHandling  
= NullValueHandling.Ignore)]  
public class GenericDataSheetFileReader.ImportVariant :  
GenericDataSheetFileReader.ImportDefinitionBase
```

## Inheritance

[object](#) ← [GenericDataSheetFileReader.ImportDefinitionBase](#) ←

GenericDataSheetFileReader.ImportVariant

## Inherited Members

[GenericDataSheetFileReader.ImportDefinitionBase.FileExpression](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.FileSheet](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.FileSheetRemoveRows](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.ReportDateTime](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.ReportDateTimeFormat](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.ReportDateTimeIgnoreTime](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.ArtifactPath](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.ArtifactName](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.DataSource](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.MeasurementName](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.MeasureName](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.VariableName](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.Value](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.ValueFormat](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.FilterExpression](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.GroupBy](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.Aggregation](#) ,

[GenericDataSheetFileReader.ImportDefinitionBase.FindingDefinition](#) , [object.ToString\(\)](#) ,

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,

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

# Properties

## AndFilterExpression

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string AndFilterExpression { get; set; }
```

Property Value

[string](#) ↗

# Class GenericDataSheetFileReader.RowFinding

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class GenericDataSheetFileReader.RowFinding
```

## Inheritance

[object](#) ← GenericDataSheetFileReader.RowFinding

## Inherited Members

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

## Properties

### ArtifactInnerPath

```
public string[] ArtifactInnerPath { get; set; }
```

#### Property Value

[string](#)[]

### Deadline

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

#### Property Value

[DateTime](#)?

## Description

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

Property Value

[string](#)

## IssueMessage

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

Property Value

[string](#)

## Measure

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

Property Value

[string](#)

## State

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

Property Value

[string](#)

## SubjectName

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

Property Value

[string](#)

## SubjectPath

```
public string[] SubjectPath { get; set; }
```

Property Value

[string](#)[]

## SubjectPathForArtifact

```
public string[] SubjectPathForArtifact { get; set; }
```

Property Value

[string](#)[]

## SubjectType

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

Property Value

[string](#)

# Class JUnitXmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JUnitXmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← JUnitXmlFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableRegexFileNames](#) ,  
[FileReader.ReportDateTimeExpected](#) , [FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

Property Value

[string](#)

Version

```
public override Version Version { get; }
```

Property Value

[Version](#)

## Methods

### IsValid(FileReaderContext)

IsValid has to be implemented by the Adapter class. The method is called when the file extensions match. If the file extension is unique, this method can just return true, otherwise it should check if the file should be imported by the adapter. If true is returned, the current adapter is executed and the Read method is called. No other adapter is checked afterward.

```
protected override bool IsValid(FileReaderContext context)
```

Parameters

context [FileReaderContext](#)

FileReaderContext

Returns

[bool](#)

boolean (is this the correct adapter to read the file?)

## Read(FileReaderContext)

Read has to be implemented by the Adapter class. This method is called when the file extensions match and isValid returns true, no other adapter is called. The data of the file should be read and returned as a AdapterReadResult.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

### Parameters

context [FileReaderContext](#)

FileReaderContext

### Returns

[AdapterReadResult](#)

AdapterReadResult

# Class JUnitXmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JUnitXmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
JUnitXmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class JUnitXmlFileReader.JUnitFinding

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class JUnitXmlFileReader.JUnitFinding
```

## Inheritance

[object](#) ← JUnitXmlFileReader.JUnitFinding

## Inherited Members

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

## Properties

### ArtifactInnerPath

```
public string[] ArtifactInnerPath { get; set; }
```

#### Property Value

[string](#)[]

### ArtifactPath

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

#### Property Value

[string](#)

### DataSourceName

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

Property Value

[string](#) ↗

DateTime

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

Property Value

[DateTime](#) ↗?

Deadline

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

Property Value

[DateTime](#) ↗?

Description

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

Property Value

[string](#) ↗

DescriptionAsHtml

```
public bool DescriptionAsHtml { get; set; }
```

Property Value

[bool](#)

## IssueMessage

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

Property Value

[string](#)

## IssueMessageAsHtml

```
public bool IssueMessageAsHtml { get; set; }
```

Property Value

[bool](#)

## Location

```
public AdapterFindingLocation Location { get; set; }
```

Property Value

[AdapterFindingLocation](#)

## Measure

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

Property Value

[string](#) ↗

MeasurementName

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

Property Value

[string](#) ↗

State

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

Property Value

[string](#) ↗

SubjectName

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

Property Value

[string](#) ↗

SubjectPath

```
public string[] SubjectPath { get; set; }
```

Property Value

[string](#)[]

## SubjectPathForArtifact

```
public string[] SubjectPathForArtifact { get; set; }
```

Property Value

[string](#)[]

## SubjectType

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

Property Value

[string](#)

# Class MtestHtmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MtestHtmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← MtestHtmlFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

### Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

Property Value

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

## HumanReadableRegexFileNames

Start of Human Readable File Names of the Adapter.

```
protected override List<string> HumanReadableRegexFileNames { get; }
```

## Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

## Property Value

[string](#)

## Version

```
public override Version Version { get; }
```

## Property Value

[Version](#)

## Methods

### GetRelatedContentRequests(FileReaderContext)

Get the requirement and assesment html files in the same or sub directories of the main file (or if there is zip file) that the name starts with 'RequirementCatalog\_' or 'AssessmentCatalog\_'

```
public override List<RelatedContentRequest> GetRelatedContentRequests(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[List](#) <[RelatedContentRequest](#)>

List of RelatedContentRequest needs for reading the file

## IsValid(FileReaderContext)

IsValid has to be implemented by the Adapter class. The method is called when the file extensions match. If the file extension is unique, this method can just return true, otherwise it should check if the file should be imported by the adapter. If true is returned, the current adapter is executed and the Read method is called. No other adapter is checked afterward.

```
protected override bool IsValid(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

FileReaderContext

## Returns

[bool](#)

boolean (is this the correct adapter to read the file?)

## Read(FileReaderContext)

Read has to be implemented by the Adapter class. This method is called when the file extensions match and isValid returns true, no other adapter is called. The data of the file should be read and returned as a AdapterReadResult.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

Parameters

context [FileReaderContext](#)

FileReaderContext

Returns

[AdapterReadResult](#)

AdapterReadResult

# Class MtestHtmlFileReader.Assessment

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MtestHtmlFileReader.Assessment
```

## Inheritance

[object](#) ← MtestHtmlFileReader.Assessment

## Inherited Members

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

# Properties

## ArtifactPath

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

### Property Value

[string](#)

## DateTime

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

### Property Value

[DateTime](#)?

## Description

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

Property Value

[string](#)

Id

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

Property Value

[string](#)

Name

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

Property Value

[string](#)

Requirements

```
public string[] Requirements { get; set; }
```

Property Value

[string](#)[]

Result

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

Property Value

[string](#) ↗

## WorkStatus

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

Property Value

[string](#) ↗

# Class MtestHtml.FileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MtestHtml.FileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
MtestHtml.FileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class MtestHtmlFileReader.Requirement

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MtestHtmlFileReader.Requirement
```

## Inheritance

[object](#) ← MtestHtmlFileReader.Requirement

## Inherited Members

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

## Properties

### ArtifactPath

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

#### Property Value

[string](#)

### AssessmentCoverage

```
public bool AssessmentCoverage { get; set; }
```

#### Property Value

[bool](#)

### DateTime

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

## Property Value

[DateTime](#)?

## Description

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

## Property Value

[string](#)

## Id

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

## Property Value

[string](#)

## Name

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

## Property Value

[string](#)

## Result

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

Property Value

[string](#)

## TestCaseCoverage

```
public bool TestCaseCoverage { get; set; }
```

Property Value

[bool](#)

## TestabilityStatus

```
public bool TestabilityStatus { get; set; }
```

Property Value

[bool](#)

# Class MtestHtmlFileReader.Testcase

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MtestHtmlFileReader.Testcase
```

## Inheritance

[object](#) ← MtestHtmlFileReader.Testcase

## Inherited Members

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

## Properties

### ArtifactPath

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

#### Property Value

[string](#)

### AssessmentResults

```
public Dictionary<string, string> AssessmentResults { get; set; }
```

#### Property Value

[Dictionary](#)<[string](#), [string](#)>

## Assessments

```
public string[] Assessments { get; set; }
```

Property Value

[string](#)[]

DateTime

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

Property Value

[DateTime](#)?

Description

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

Property Value

[string](#)

Id

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

Property Value

[string](#)

Name

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

Property Value

[string](#)

Requirements

```
public string[] Requirements { get; set; }
```

Property Value

[string](#)[]

Result

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

Property Value

[string](#)

TestGroup

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

Property Value

[string](#)

WorkStatus

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

Property Value

[string](#) ↗

# Class MxSuiteXmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MxSuiteXmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [MxSuiteXmlFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

## Version

```
public override Version Version { get; }
```

### Property Value

[Version](#) ↗

## Methods

### IsValid(FileReaderContext)

Check if the file name is equal to "Report.RegResults.xml"

```
protected override bool IsValid(FileReaderContext context)
```

#### Parameters

context [FileReaderContext](#)

Context of file

#### Returns

[bool](#) ↗

true if file is a valid MxSuite report file

### Read(FileReaderContext)

Parses the MxSuite XML file to find artifacts and measures from Regression tags as described below

```
protected override AdapterReadResult Read(FileReaderContext context)
```

#### Parameters

context [FileReaderContext](#)

Context of file

Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

Examples

```
<Regression> ArtifactPath : <Overview> <Project> <Name>xxx</Name> => ArtifactPath = xxx  
MeasureName = Scenario\Result , Variable = Total, Passed, Failed, Not Executed (mapped Skipped to  
that), Error (mapped RunTimeError to that), Missing <StatisticsTotals Total="1" Passed="0" Failed="1"  
Skipped="0" RunTimeError="0" Missing="0" ...> MeasureName = Testcase\Result , Variable = Total,  
Passed, Failed, Not Executed (mapped Skipped to that), Error (mapped RunTimeError to that), Missing  
<Testcases Total="1" Passed="0" Failed="1" Skipped="0" RunTimeError="0" Missing="0" .../>  
</StatisticsTotals> </Regression>
```

# Class MxSuiteXmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MxSuiteXmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
MxSuiteXmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class MxamExcelFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MxamExcelFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← MxamExcelFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableRegexFileNames](#) ,  
[FileReader.ReportDateTimeExpected](#) , [FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

Property Value

[string](#)

Version

```
public override Version Version { get; }
```

Property Value

[Version](#)

## Methods

**IsValid(FileReaderContext)**

Check if the excel contain "Project Overview" sheet

```
protected override bool IsValid(FileReaderContext context)
```

Parameters

[context](#) [FileReaderContext](#)

Context of file

Returns

[bool](#)

true if file is a valid MXAM Excel file

## Read(FileReaderContext)

From 'Project Overview' sheet fetch 'ReportDateTime'. From 'Findings' sheets fetch list of MxamExcelDataModel. For setting MeasureName = Finding\Result : group all findings by MeasurementName, ArtifactName and VariableName then value is the count of group. For setting MeasureName = Guideline\Result : first group all findings by MeasurementName, ArtifactName and GuidelineName then VariableName is the worst finding of group, then group result by MeasurementName, ArtifactName and VariableName then value is the count of group.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

### Parameters

context [FileReaderContext](#)

Context of file

### Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

# Class MxamExcel.FileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MxamExcel.FileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
MxamExcel.FileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class MxamMxmrFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MxamMxmrFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← MxamMxmrFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableRegexFileNames](#) ,  
[FileReader.ReportDateTimeExpected](#) , [FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

Property Value

[string](#)

Version

```
public override Version Version { get; }
```

Property Value

[Version](#)

## Methods

### IsValid(FileReaderContext)

Check if file contains '<RReport:RReport' and '<artifacts'

```
protected override bool IsValid(FileReaderContext context)
```

Parameters

[context](#) [FileReaderContext](#)

Context of file

Returns

[bool](#)

true if file is a valid MXAM report file

## Read(FileReaderContext)

Read data from different functions based on version of report and if report contains one or more artifacts. Read report data time from date attribute of root element.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

### Parameters

**context** [FileReaderContext](#)

Context of file

### Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

### Examples

```
<RReport:RReport xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" date="2018-08-02T13:34:21.136+0200"> </RReport:RReport>
```

# Class MxamMxmrFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MxamMxmrFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
MxamMxmrFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class MxrayHtmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MxrayHtmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← MxrayHtmlFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

## Version

```
public override Version Version { get; }
```

### Property Value

[Version](#) ↗

## Methods

### IsValid(FileReaderContext)

Check if the 'reportTitle' div element is equal to 'M-XRAY Report'

```
protected override bool IsValid(FileReaderContext context)
```

### Parameters

[context](#) [FileReaderContext](#)

Context of file

### Returns

[bool](#) ↗

true if file is a valid MXRAY html report file

### Examples

M-XRAY Report

### Read(FileReaderContext)

Fetch Info from SingleSystemsResults chapter of an MXRay Html report. Reports containing multiple artifacts are supported as well.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[AdapterReadResult](#)

All Data is stored in a list of AdapterData Model objects

# Class MxrayHtml.FileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MxrayHtml.FileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
MxrayHtml.FileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class MxrayXmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MxrayXmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← MxrayXmlFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableRegexFileNames](#) ,  
[FileReader.ReportDateTimeExpected](#) , [FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

Property Value

[string](#)

Version

```
public override Version Version { get; }
```

Property Value

[Version](#)

## Methods

**IsValid(FileReaderContext)**

Check if the root element is 'M-XRAY\_Report'

```
protected override bool IsValid(FileReaderContext context)
```

Parameters

[context](#) [FileReaderContext](#)

Context of file

Returns

[bool](#)

true if file is a valid MXRAY report file

## Read(FileReaderContext)

Read each 'System' elements inside 'SingleSystemResults' and fetch value of 'FullPathOfFile' as ArtifactPath (file name is used as ArtifactPath measures for this artifact fetch from 3 functions: ReadQualityMetrics, ReadCloneGroupSummary, ReadGlobalValueSummary

```
protected override AdapterReadResult Read(FileReaderContext context)
```

### Parameters

**context** [FileReaderContext](#)

Context of file

### Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

### Examples

```
<M-XRAY_Report schemaVersion="2.0" xmlns="http://www.model-engineers.com/mxrayXMLSchema">  
C:\Program Files\MTTest_5_2\demo\R2016b\EV3Control_ec\Model\EV3Control_demo_ec.slx =>  
ArtifactPath = 'EV3Control_demo_ec' </M-XRAY_Report>
```

# Class MxrayXmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class MxrayXmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
MxrayXmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class PolyspaceCsvFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class PolyspaceCsvFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← PolyspaceCsvFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableRegexFileNames](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

Property Value

[string](#)

## ReportDateTimeExpected

Is it expected to get a reportDateTime in the report? If this is false the ReportDateTime is the CreationDate of the file without a warning.

```
protected override bool ReportDateTimeExpected { get; }
```

Property Value

[bool](#)

## Version

```
public override Version Version { get; }
```

Property Value

[Version](#)

## Methods

### IsValid(FileReaderContext)

Check if the file is a valid csv file containing the mandatory columns 'File', 'Family', and 'Color'

```
protected override bool IsValid(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[bool](#) ↗

true if file is a valid Polyspace csv file

## Read(FileReaderContext)

Read each csv line, that is not a comment, and remove empty columns. Aggregate unique data lines by summing up and counting each data line as a value of 1. For Run time checks and MISRA, measure count contains both with and without comments. Violations is sum of all MISRA checks (to be consistent with xml adapter).

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

# Class PolyspaceCsvFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class PolyspaceCsvFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
PolyspaceCsvFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class PolyspaceXmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class PolyspaceXmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← PolyspaceXmlFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

# Version

```
public override Version Version { get; }
```

## Property Value

[Version](#)

# Methods

## GetRelatedContentRequests(FileReaderContext)

Get the corresponding .xfrag result file. If a result file (image-000-chapter.xfrag) can be found next to or in a subfolder to the import file.

```
public override List<RelatedContentRequest> GetRelatedContentRequests(FileReaderContext context)
```

### Parameters

`context` [FileReaderContext](#)

Context of file

### Returns

[List](#) <[RelatedContentRequest](#)>

List of RelatedContentRequest needs for reading the file

## IsValid(FileReaderContext)

Check if the file is a valid xml file containing an Artifact Name, the Execution Date, the Polyspace Version and the Result file path

```
protected override bool IsValid(FileReaderContext context)
```

## Parameters

`context FileReaderContext`

Context of file

## Returns

`bool`

true if file is a valid Polyspace xml file

## Read(FileReaderContext)

Reads the entries of all table elements

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

`context FileReaderContext`

Context of file

## Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

# Class PolyspaceXmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class PolyspaceXmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
PolyspaceXmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class QacHtmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class QacHtmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← QacHtmlFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

# Version

```
public override Version Version { get; }
```

## Property Value

[Version](#) ↗

# Methods

## IsValid(FileReaderContext)

Check if the file name contains 'RCR'

```
protected override bool IsValid(FileReaderContext context)
```

### Parameters

context [FileReaderContext](#)

Context of file

### Returns

[bool](#) ↗

true if file is a valid QAC XML report file

## Read(FileReaderContext)

FINDINGS: Read each table form <body><div id='content'><div class='dpp'><div class='rgttable'><table ...> for each Rule Group as Findings for each file/Artifact. Read artifactPath and artifactName from first <td> ('Files') for each row from table. Read findingsFailed from last <td> ('Total Violations') for each row from table. Read measurementName from <body><div id='content'><div class='dpp'><div class='subsec'><h5 ...>. Concat Findings with measurement name to get measureName.

GUIDELINES: Read each table from <body><div id='content'><div class='worstrules'><div class='rgttable'><table ...> for each Rule Group as Guidlines for each file/Artifact. Read artifactPath and

artifactName from first <td> ('Files') for each row from table. Count the columns with rules and use as guidelinesTotal. Read each row from column and count all <td> with violation to calculate guidelinesFailed. Calculate guidelinesPassed as guidelinesTotal - guidelinesFailed

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

context [FileReaderContext](#)

## Returns

[AdapterReadResult](#)

## Examples

```
<body> ... <div id="content"> <div class="dpp"> ... <div class="subsec"><h5>M3CM</h5></div>
<div class="rgtable"> <table ....> <tr><th>Files</th><th>Rule 0</th><th>Rule 1</th><th>Rule
2</th><th>Rule 3</th>...<td><b>Total Violations</b></td></tr> <tr><td align = "left" >< a
href="xxx" title="xxx"> xxx </a></td><td> xxx </td><td>xxx</td>...<td><b>0</b></td></tr> ...
</table> </div> </div> <div class='worstrules'> <div class="subsec"><h5>xxx</h5></div> <div
class='rgtable'> <table ...> <tr><th>Files</th><th>Rule 1 </th><th>Rule 2 </th> ... <th>RuleZ</th>
</tr> <tr><td ... >< a href="xxx" title="xxx"> xxx </a></td><td> xxx </td><td> xxx </td> ... <td> xxx
</td></tr> ... </table> </div> </div> </body>
```

# Class QacHtmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class QacHtmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
QacHtmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class QacXmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class QacXmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← QacXmlFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

### Property Value

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

## HumanReadableRegexFileNames

Start of Human Readable File Names of the Adapter.

```
protected override List<string> HumanReadableRegexFileNames { get; }
```

## Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

## Property Value

[string](#)

## Version

```
public override Version Version { get; }
```

## Property Value

[Version](#)

## Methods

### IsValid(FileReaderContext)

Check if the file name is equal to 'results\_data.xml' and check if the root element is equal to 'AnalysisData'

```
protected override bool IsValid(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[bool](#) ↗

true if file is a valid QAC XML report file

## Read(FileReaderContext)

Read each 'File' element inside <dataroot type="per-file"> and fetch 'path' attribute as ArtifactPath if there is 'File' element with same 'path' attribute inside <dataroot type="project"> <tree type="files"> and fetch 'basename' attribute as ArtifactName. For each Artifact these measures should be read : Guidelines, Findings Measures should be read for different measurements per artifact. The measurement name is taken from the attribute 'name' of each <tree type="rules"> <RuleGroup name = "xxx"> MeasureName: Guidelines From 'Rule' elements inside <dataroot type="project"> <tree type="rules"> <RuleGroup name = "xxx"> read number of 'Rule' elements that has 'Message' elements as child element as value of 'Total' variable From 'Rule' elements inside <dataroot type="per-file"> <File path=".../example.h"> <tree type="rules"> <RuleGroup name = "xxx"> read number of 'Rule' elements that has 'Message' elements as child element and active="0" as value of 'Suppressed' variable read number of all 'Rule' elements that has 'Message' elements as child element minus value of 'Suppressed' as value of 'Failed' variable calculate value of 'Total' minus value of 'Failed' as value of 'Passed' variable All above measures read for measurement = 'name' attribute of 'RuleGroup' Note: Guidelines.Passed contains Guidelines.Suppressed MeasureName: Findings From 'Rule' elements inside <dataroot type="per-file"> <File path=".../example.h"> <tree type="rules"> <RuleGroup name = "xxx"> read 'active' attribute as value of 'Failed' variable read 'total' attribute minus value of 'Failed' as value of 'Suppressed' variable All above measures read for measurement = 'name' attribute of 'RuleGroup'

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

### [AdapterReadResult](#)

All Data is stored in an AdapterData Model object

## Examples

```
=> Guidelines.Total = 3 for MeasurementName 'xxx' => ArtifactPath = '.../example.h' , ArtifactName = 'example.h' => Findings.Failed = 4 , Findings.Suppressed = 3 for MeasurementName 'xxx' => Guidelines.Failed = 1 , Guidelines.Suppressed = 2, Guidelines.Passed = 2 for MeasurementName 'xxx'
```

# Class QacXmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class QacXmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ← QacXmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class RtrtHtmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class RtrtHtmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [RtrtHtmlFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

## Version

```
public override Version Version { get; }
```

### Property Value

[Version](#)

## Methods

### GetRelatedContentRequests(FileReaderContext)

Get 'index.html' file in 'Reporter' directory and 'RateDoc.html' file in 'Cvi' directory of the main file (or if there is zip file) that the name starts with 'RequirementCatalog\_' or 'AssessmentCatalog\_'

```
public override List<RelatedContentRequest> GetRelatedContentRequests(FileReaderContext context)
```

#### Parameters

**context** [FileReaderContext](#)

Context of file

#### Returns

[List](#) <[RelatedContentRequest](#)>

List of RelatedContentRequest needs for reading the file

### IsValid(FileReaderContext)

Check if the file name is equal to 'index.html' and the 'title' element contains 'Test RealTime Report'

```
protected override bool IsValid(FileReaderContext context)
```

#### Parameters

**context** [FileReaderContext](#)

Context of file

Returns

[bool](#) ↗

true if file is a valid RTRT report file

Examples

## Read(FileReaderContext)

Read ReportDateTime from 'I' element inside 'body' element that contains 'Generated on'. Read Test and Coverage results from separate files and then sum up values for same artifact, measure and variable.

**protected override** AdapterReadResult **Read**(FileReaderContext context)

Parameters

**context** [FileReaderContext](#)

Context of file

Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

Examples

```
<body> <hr><h3><p ALIGN="RIGHT"><i>Generated on 21.08.2021 02:59:08</i></p></h3> </body>
```

# Class RtrtHtmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class RtrtHtmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ← RtrtHtmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class SICheckHtmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class SICheckHtmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [SICheckHtmlFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

## Version

```
public override Version Version { get; }
```

### Property Value

[Version](#) ↗

## Methods

### IsValid(FileReaderContext)

Check if file contains 'Run Summary'

```
protected override bool IsValid(FileReaderContext context)
```

### Parameters

`context` [FileReaderContext](#)

Context of file

### Returns

[bool](#) ↗

true if file is a valid SLCheck Model Advisor

### Examples

<b>Run Summary</b></font><br />

### Read(FileReaderContext)

Fetch Guideline infos by reading rows of 'table' element after 'Run Summary' each 'th' element in first row is variable and corresponding 'tr' in second row is value measure name is 'GuidelineCount'

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

## Examples

```
<b>Run Summary</b></font><br /> <table class="AdvTableNoBorder" width="60%" border="0">
<tr> <th align="left" valign="top"><b>Pass</b></th> <th align="left" valign="top"><b>Fail</b></th>
<th align="left" valign="top"><b>Warning</b></th> <th align="left" valign="top"><b>Not
Run</b></th> <th align="left" valign="top"><b>Total</b></th> </tr> <tr> <td align="left"
valign="top">&#160;&#160; 38</td> <td align="left"
valign="top">&#160;&#160; 8</td> <td align="left"
valign="top">&#160;&#160; 7</td> <td align="left"
valign="top">&#160;&#160; 363</td> <td align="left"
valign="top">416</td> </tr> </table >
```

# Class SICheckHtmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class SICheckHtmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
SICheckHtmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class SISDesignVerifierHtmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class SISDesignVerifierHtmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← SISDesignVerifierHtmlFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

## Version

```
public override Version Version { get; }
```

### Property Value

[Version](#) ↗

## Methods

### IsValid(FileReaderContext)

Check if title element is "Simulink Design Verifier Report"

```
protected override bool IsValid(FileReaderContext context)
```

### Parameters

context [FileReaderContext](#)

Context of file

### Returns

[bool](#) ↗

true if file is a valid Simulink Design Verifier

### Examples

### Read(FileReaderContext)

Fetch the rows in first table after the 'p' element with title="Objectives Status" and read first td as variable name(fro measure name = 'Objectives') and second td as value.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

## Examples

```
<p title="Objectives Status"><b>Objectives Status</b><a name="d0e51"></a></p> <div class="table"> <div class="table-contents"> <table summary = ""> <thead> <tr><th align = "left" > Number of Objectives:</th><th align = "left" > 5 </ th ></ tr > </thead > <tbody> <tr><td align="left">Objectives Proven Valid: </td><td align = "left" > 4 </ td ></ tr > <tr><td align="left">Objectives Falsified with Test Cases: </td><td align = "left" > 1 </td></tr> </tbody> </table > </div></div>
```

# Class S1DesignVerifierHtmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class S1DesignVerifierHtmlFileReader.FileReaderAdapterOptions  
: FileReaderAdapterOptions
```

## Inheritance

```
object ↗ ← AdapterOptions ← FileReaderAdapterOptions ←  
S1DesignVerifierHtmlFileReader.FileReaderAdapterOptions
```

## Inherited Members

```
FileReaderAdapterOptions.ArtifactPathFromFilePath ,  
FileReaderAdapterOptions.DataSourceNameFromFilePath ,  
FileReaderAdapterOptions.MeasurementNameFromFilePath ,  
FileReaderAdapterOptions.ReportDateTimeFromFilePath ,  
FileReaderAdapterOptions.HumanReadableFilePaths , object.ToString\(\) ↗ , object.Equals\(object\) ↗ ,  
object.Equals\(object, object\) ↗ , object.ReferenceEquals\(object, object\) ↗ , object.GetHashCode\(\) ↗ ,  
object.GetType\(\) ↗ , object.MemberwiseClone\(\) ↗
```

# Class SIRequirementHtmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class SIRequirementHtmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [SIRequirementHtmlFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

# Version

```
public override Version Version { get; }
```

## Property Value

[Version](#) ↗

# Methods

## IsValid(FileReaderContext)

Check if file contains span element with 'SLReqReportTitle' as value of class attribute

```
protected override bool IsValid(FileReaderContext context)
```

### Parameters

`context` [FileReaderContext](#)

Context of file

### Returns

[bool](#) ↗

true if file is a valid SLRequirement Model Advisor

### Examples

<span class="SLReqReportTitle">

## Read(FileReaderContext)

Fetch data from table with "Implementation Status" as header and 'SLReqReqSetImplementationTitle' as class of that title. Read headers as variable name and second row as value for 'SLRequirement' as measure name. Read file name as artifact path and name.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

## Examples

### Implementation Status

Total	Implemented	Justified	None
11	3	0	8

# Class SIRequirementHtmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class SIRequirementHtmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
SIRequirementHtmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class TargetLinkHtmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TargetLinkHtmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← TargetLinkHtmlFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

# Version

```
public override Version Version { get; }
```

## Property Value

[Version](#) ↗

# Methods

## IsValid(FileReaderContext)

Check if the file name ends with 'ccdoc\_Main.html'

```
protected override bool IsValid(FileReaderContext context)
```

### Parameters

context [FileReaderContext](#)

Context of file

### Returns

[bool](#) ↗

true if file is a valid Target Link report

## Read(FileReaderContext)

Fetch Info from first table: read artifact path from third td where first td is 'TL Code Coverage Report for Application', read report date time from third td where first td is 'Date and time of report generation', read measure name from third td where first td is 'Code Coverage level'. Fetch Info from second table: read variables from columns of first row (column name='Code Coverage'=> variable='Ratio', column name='Total Branches'=> variable='Total', column name='Reached Branches'=> variable='Reached') read values for that variable from second row.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

### context [FileReaderContext](#)

Context of file

## Returns

### [AdapterReadResult](#)

All Data is stored in an AdapterData Model object

## Examples

TL Code Coverage Report for Application	:	Artifact
Date and time of report generation	:	<b>2021 - 02 - 13 04:37:08</b>
Code Coverage level	:	<b>Decision Coverage (C1)</b>

	<b>Code Coverage</b>	<b>Total Branches</b>	<b>Reached Branches</b>	<b>Unreached Branches</b>
Artifact	96.60 %	676	653	23

# Class TargetLinkHtmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TargetLinkHtmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
TargetLinkHtmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class TessyXmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TessyXmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← TessyXmlFileReader

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

# Version

```
public override Version Version { get; }
```

## Property Value

[Version](#) ↗

# Methods

## IsValid(FileReaderContext)

Check if report contains 'tessy\_version'

```
protected override bool IsValid(FileReaderContext context)
```

### Parameters

`context` [FileReaderContext](#)

Context of file

### Returns

[bool](#) ↗

true if file is a valid Tessy report file

## Read(FileReaderContext)

From adapter options read that 'tessyobject' elements with which level should be read (if its not defined ad adapter option default level is '0'). Iterate over 'tessyobject' elements and read 'name' attribute as 'ArtifactPath' and fetch measures from elements inside.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

### Parameters

`context FileReaderContext`

Context of file

Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

Examples

....

# Class TessyXmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TessyXmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
TessyXmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### MeasureNameMapping

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public Dictionary<string, string> MeasureNameMapping { get; set; }
```

## Property Value

[Dictionary](#)<[string](#), [string](#)>

## TessyObjectLevel

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public int TessyObjectLevel { get; set; }
```

Property Value

[int](#)

## VariableNameMapping

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public Dictionary<string, string> VariableNameMapping { get; set; }
```

Property Value

[Dictionary](#) <[string](#), [string](#)>

# Class TestwellCtcHtmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TestwellCtcHtmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [TestwellCtcHtmlFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

# Version

```
public override Version Version { get; }
```

## Property Value

[Version](#) ↗

# Methods

## IsValid(FileReaderContext)

Check if the file name is equal to 'index.html' Check if 'content' attribute of 'meta' element inside 'head' element, contains 'CTC++'

```
protected override bool IsValid(FileReaderContext context)
```

## Parameters

[context](#) [FileReaderContext](#)

Context of file

## Returns

[bool](#) ↗

true if file is a valid CTC report file

## Examples

```
<head> <meta name="generator" content="Testwell CTC++ add-on utility ctc2html v5.1"> </head>
```

## Read(FileReaderContext)

Process all rows of second table inside body element ignore trs with just one td and with class="dirb" or class="ruler" or if value inside 'a' element in last td is equal to "DIRECTORY OVERALL" or "OVERALL" from remaining rows fetch ArtifactPath from 'a' element inside last td Names of base measures are fetch from th inside of 'thead' element, start from 3rd th and every 3rd th For each measure there is 3 variables :

'Covered', 'Uncovered' and 'Total' Values for base measures are fetch from each row start from 3rd td and every 4th td value is like 41/42 then Covered = 41 , Total = 42, Uncovered = 1

```
protected override AdapterReadResult Read(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

## Examples

```
<table> <thead> <tr><th>TER %</th><th>-</th><th colspan = "2" > decision </th> =>
MeasureNames = decision < th > TER %</ th >< th > -</th > < th colspan="2">statement</th> =>
MeasureNames = statement <th>File</th></tr> </thead> <tbody> <tr><td class="dirb"
colspan="9"></td>...</tr> => ignored <tr><td class="below">98 %</td><td class="below">-</td>
<td class="below">(41/42)</td> => decision.Reached = 41 , decision.Total = 42 <td width="115"><img
><img ></td><td class="below">99 %</td><td class="below">-</td><td class="below">(86/87)
</td> => statement.Reached = 86 , statement.Total = 87 <td width="115"><img ><img ></td><td>
<a >Autopilot_Mode_Logic_sil_sil_ec.c</a></td></tr> => ArtifactPath =
'Autopilot_Mode_Logic_sil_sil_ec.c' <tr>.... <td class="dirb"><a > DIRECTORY OVERALL</a></td></tr>
=> ignored <tr><td class="ruler" colspan="9">&ampnbsp</td></tr> => ignored <tr>....<td><a href =
"index0.html" class="underlineb">OVERALL</a></td></tr> => ignored </tbody> </table>
```

# Class TestwellCtcHtmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TestwellCtcHtmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
TestwellCtcHtmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class TestwellCtcXmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TestwellCtcXmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [TestwellCtcXmlFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

### Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

Property Value

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

## HumanReadableRegexFileNames

Start of Human Readable File Names of the Adapter.

```
protected override List<string> HumanReadableRegexFileNames { get; }
```

## Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

## Property Value

[string](#)

## Version

```
public override Version Version { get; }
```

## Property Value

[Version](#)

## Methods

### GetHumanReadableContents(FileReaderContext)

Get the human-readable file paths. Can be overridden with a user defined function. Can be used together with GetHumanReadableFilePath, but it is recommended to only use one of the methods.

```
protected override List<IFileContent> GetHumanReadableContents(FileReaderContext context)
```

## Parameters

**context** [FileReaderContext](#)

FileReaderContext

Returns

[List](#) <[IFileContent](#)>

List of human readable files

## IsValid(FileReaderContext)

Check if the root element is <ctc\_xml\_report>

**protected override bool IsValid(FileReaderContext context)**

Parameters

**context** [FileReaderContext](#)

Context of file

Returns

[bool](#)

true if file is a valid CTC report file

## Read(FileReaderContext)

Read each file element and fetch name attribute as ArtifactPath from file\_summary element inside file element these elements are read as measures: lines element => MeasureName = "Source lines" , VariableName="count" measurement\_points element => MeasureName = "Measurement points" , VariableName="count" xx\_hit and xx\_all => MeasureName = "xxx" , VariableName="Reached" (for hit value), VariableName="Total" (for all value) This measure (xx) is added if both xx\_hit and xx\_all elements are exist

**protected override AdapterReadResult Read(FileReaderContext context)**

## Parameters

**context** [FileReaderContext](#)

Context of file

## Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

## Examples

```
<ctc_xml_report> <file_summary> 77 200 <measurement_points>16</measurement_points> 68 343  
505 <statement_ter>92</statement_ter> <statement_hits>5310</statement_hits>  
<statement_all>5752</statement_all> <statement_na_functions>0</statement_na_functions>  
</file_summary> ... </ctc_xml_report>
```

# Class TestwellCtcXmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TestwellCtcXmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←

TestwellCtcXmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class TptHtmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TptHtmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [TptHtmlFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

## Version

```
public override Version Version { get; }
```

### Property Value

[Version](#)

## Methods

### GetRelatedContentRequests(FileReaderContext)

Get 'requirement.html' and 'variables.html' in the same directory as main file.

```
public override List<RelatedContentRequest> GetRelatedContentRequests(FileReaderContext context)
```

#### Parameters

**context** [FileReaderContext](#)

Context of file

#### Returns

[List](#) <[RelatedContentRequest](#)>

List of RelatedContentRequest needs for reading the file

### IsValid(FileReaderContext)

Check if the 'title' element is equal to 'TPT Report: Overview'

```
protected override bool IsValid(FileReaderContext context)
```

#### Parameters

**context** [FileReaderContext](#)

Context of file

Returns

[bool](#)

true if file is a valid TPT report file

Examples

## Read(FileReaderContext)

Fetch Info from table with class='table-wide': read artifact path from second td where td is 'System Under Test' or 'SUT', read report date time from second td where td is 'Date' or 'SUT'. Fetch measurement from table with caption 'Platform Information': res second td of tr as measurement where first td is 'Variable 'TestRun'''

```
protected override AdapterReadResult Read(FileReaderContext context)
```

Parameters

[context](#) [FileReaderContext](#)

Context of file

Returns

[AdapterReadResult](#)

All Data is stored in an AdapterData Model object

Examples

Date	07-Dec-2020
Variable 'TestRun'	SIL

Platform Information

ReadAssessletFindings(FileReaderContext, HtmlDocument,  
DateTime?, string, string, bool, List<AdapterData>,  
List<Requirement>, List<TptAssesslet>,  
IEnumerable<AdapterFindingCombination>,  
IEnumerable<AdapterFindingCombination>)

```
public static List<AdapterFinding> ReadAssessletFindings(FileReaderContext context,  
HtmlDocument document, DateTime? dateTime, string artifactPath, string measurementName, bool  
hasRequirementLinkInfo, List<AdapterData> data, List<TptHtmlFileReader.Requirement>  
requirements, List<TptHtmlFileReader.TptAssesslet> assesslets = null,  
IEnumerable<AdapterFindingCombination> requirementFindings = null,  
IEnumerable<AdapterFindingCombination> testcaseFindings = null)
```

## Parameters

context [FileReaderContext](#)

document [HtmlDocument](#)

dateTime [DateTime](#)?

artifactPath [string](#)

measurementName [string](#)

hasRequirementLinkInfo [bool](#)

data [List](#)<[AdapterData](#)>

requirements [List](#)<[TptHtmlFileReader.Requirement](#)>

assesslets [List](#)<[TptHtmlFileReader.TptAssesslet](#)>

requirementFindings [IEnumerable](#)<[AdapterFindingCombination](#)>

testcaseFindings [IEnumerable](#)<[AdapterFindingCombination](#)>

## Returns

[List](#)<[AdapterFinding](#)>

## ReadAssesslets(FileReaderContext, List<AdapterData>, HtmlDocument, DateTime?, string, string, List<Requirement>)

```
public static List<TptHtml.FileReader.TptAssesslet> ReadAssesslets(FileReaderContext context,
List<AdapterData> data, HtmlDocument document, DateTime? dateTime, string artifactPath,
string measurementName, List<TptHtml.FileReader.Requirement> requirements)
```

### Parameters

context [FileReaderContext](#)

data [List](#)<[AdapterData](#)>

document [HtmlDocument](#)

dateTime [DateTime](#)?

artifactPath [string](#)

measurementName [string](#)

requirements [List](#)<[TptHtml.FileReader.Requirement](#)>

### Returns

[List](#)<[TptHtml.FileReader.TptAssesslet](#)>

## ReadRequirementCoverage(HtmlDocument, DateTime?, string, string, bool, List<Requirement>)

Read table with 'Requirement Coverage Summary' caption and define these measure 'Requirements Status' with variables: Passed, Failed, ExecutionError, DontKnow, NotCovered Requirement Count.Testable => number of all variables of 'Requirements Status' measure. From 'requirement.html' file: read 'Requirements Results' table and 'Requirements Assesslet Results' tables: Requirement Count.Total => if it is reports from Synopsys then it is : number of requirements fetch from 'Requirements Results' table plus requirements not covered by testCases for other reports : number of requirement ids fetch from 'Requirements Results' table

```
public static List<AdapterData> ReadRequirementCoverage(HtmlDocument document, DateTime?
dateTime, string artifactPath, string measurement, bool hasRequirementLinkInfo,
```

```
List<TptHtmlFileReader.Requirement> requirements)
```

## Parameters

**document** [HtmlDocument](#)

content of report

**dateTime** [DateTime](#)?

date of report

**artifactPath** [string](#)

name of artifact

**measurement** [string](#)

name of measurement

**hasRequirementLinkInfo** [bool](#)

**requirements** [List](#)<[TptHtmlFileReader.Requirement](#)>

from requirement.html file

## Returns

[List](#)<[AdapterData](#)>

**ReadRequirementFindings(FileReaderContext,  
List<AdapterData>, DateTime?, string, string,  
List<Requirement>, out List<AdapterFindingCombination>)**

Read all requirement findings found in the "Requirements Results" table in the requirement.html file.

```
public static List<AdapterFinding> ReadRequirementFindings(FileReaderContext  
context, List<AdapterData> data, DateTime? dateTime, string artifactPath,  
string measurementName, List<TptHtmlFileReader.Requirement> requirements, out  
List<AdapterFindingCombination> requirementFindings)
```

## Parameters

context [FileReaderContext](#)

context for reading the report

data [List](#)<[AdapterData](#)>

data read from report

dateTime [DateTime](#)?

date of the report

artifactPath [string](#)

artifact name

measurementName [string](#)

measurement name

requirements [List](#)<[TptHtml.FileReader.Requirement](#)>

requirementFindings [List](#)<[AdapterFindingCombination](#)>

## Returns

[List](#)<[AdapterFinding](#)>

List of the findings found. Returns empty list if none are found.

## ReadRequirementReport(FileReaderContext, out bool)

```
public static List<TptHtml.FileReader.Requirement> ReadRequirementReport(FileReaderContext  
context, out bool hasRequirementLinkInfo)
```

## Parameters

context [FileReaderContext](#)

hasRequirementLinkInfo [bool](#)

## Returns

[List](#) <[TptHtmlFileReader.Requirement](#)>

# Class TptHtmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TptHtmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ← TptHtmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### MeasureNameMapping

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public Dictionary<string, string> MeasureNameMapping { get; set; }
```

## Property Value

[Dictionary](#)<[string](#), [string](#)>

# Class TptHtmlFileReader.Requirement

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TptHtmlFileReader.Requirement
```

## Inheritance

[object](#) ← TptHtmlFileReader.Requirement

## Inherited Members

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

# Properties

## Assesslets

```
public string[] Assesslets { get; set; }
```

### Property Value

[string](#)[]

## Id

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

### Property Value

[string](#)

## State

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

Property Value

[string](#) ↗

## TestCases

```
public string[] TestCases { get; set; }
```

Property Value

[string](#) ↗ []

# Class TptHtmlFileReader.TptAssesslet

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TptHtmlFileReader.TptAssesslet
```

## Inheritance

[object](#) ← TptHtmlFileReader.TptAssesslet

## Inherited Members

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

## Properties

### Name

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

### Property Value

[string](#)

## Requirements

```
public HashSet<string> Requirements { get; set; }
```

### Property Value

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

## State

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

Property Value

[string](#) ↗

Status

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

Property Value

[string](#) ↗

# Class TptXmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TptXmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [TptXmlFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

Property Value

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

## HumanReadableFileExtensions

Human Readable File Extensions of the Adapter.

```
protected override List<string> HumanReadableFileExtensions { get; }
```

Property Value

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

## HumanReadableRegexFileNames

Start of Human Readable File Names of the Adapter.

```
protected override List<string> HumanReadableRegexFileNames { get; }
```

## Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

## Property Value

[string](#)

## Version

```
public override Version Version { get; }
```

## Property Value

[Version](#)

## Methods

### GetRelatedContentRequests(FileReaderContext)

```
public override List<RelatedContentRequest> GetRelatedContentRequests(FileReaderContext context)
```

## Parameters

context [FileReaderContext](#)

Returns

[List](#) <[RelatedContentRequest](#)>

## IsValid(FileReaderContext)

Check if the Header element has TptVersion attribute

```
protected override bool IsValid(FileReaderContext context)
```

Parameters

**context** [FileReaderContext](#)

Context of file

Returns

[bool](#)

true if file is a valid TPT report file

## Read(FileReaderContext)

Parses the TPT XML file to find the summary of test results in the execution summary section and structural and requirement coverage. The artifact name is read from the system under test property of the header and when its empty from TptFileName attribute of Header.

```
protected override AdapterReadResult Read(FileReaderContext context)
```

Parameters

**context** [FileReaderContext](#)

Context of file

Returns

## [AdapterReadResult](#)

All Data is stored in an AdapterData Model object

### Examples

```
<Header ...> <Property Name = .../> ... <Property Name = "System Under Test"  
Value="SystemUnderTest"/> </Header> ... <Summary AssessmentDuration="50.533"  
ExecutionDuration="1039.099"> <ExecutionSummary Errors = "3" Failed="1" Inconclusive="0"  
Succeeded="40" Tests="44"/> </Summary>
```

# Class TptXmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class TptXmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ← TptXmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### MeasureNameMapping

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public Dictionary<string, string> MeasureNameMapping { get; set; }
```

### Property Value

[Dictionary](#)<[string](#), [string](#)>

### MeasurementNameFromXml

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public TptXmlFileReader.MeasurementNameFromXml[] MeasurementNameFromXml { get; set; }
```

## Property Value

[MeasurementNameFromXml\[\]](#)

# Class TptXmlFileReader.MeasurementFromXmlMatch

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonObject(ItemRequired = Required.DisallowNull, ItemNullValueHandling  
= NullValueHandling.Ignore)]  
public class TptXmlFileReader.MeasurementFromXmlMatch
```

## Inheritance

[object](#) ← TptXmlFileReader.MeasurementFromXmlMatch

## Inherited Members

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

## Properties

### Attribute

```
[JsonProperty(Required = Required.Always)]  
public string Attribute { get; set; }
```

### Property Value

[string](#)

### Regex

```
[JsonProperty(Required = Required.Always)]  
public string Regex { get; set; }
```

### Property Value

[string ↗](#)

# Class TptXmlFileReader.MeasurementNameFromXml

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonObject(ItemRequired = Required.DisallowNull, ItemNullValueHandling  
= NullValueHandling.Ignore)]  
public class TptXmlFileReader.MeasurementNameFromXml
```

## Inheritance

[object](#) ← TptXmlFileReader.MeasurementNameFromXml

## Inherited Members

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

## Properties

### Attribute

```
[JsonProperty(Required = Required.Always)]  
public string Attribute { get; set; }
```

### Property Value

[string](#)

### Matches

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public TptXmlFileReader.MeasurementFromXmlMatch[] Matches { get; set; }
```

## Property Value

[MeasurementFromXmlMatch\[\]](#)

## Path

```
[JsonProperty(Required = Required.Always)]  
public string Path { get; set; }
```

## Property Value

[string](#)

## Regex

```
[JsonProperty(Required = Required.Always)]  
public string Regex { get; set; }
```

## Property Value

[string](#)

## Result

```
[JsonProperty(Required = Required.Always)]  
public string Result { get; set; }
```

## Property Value

[string](#)

# Class VTestStudioHtmlFileReader

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class VTestStudioHtmlFileReader : FileReader
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [DataAdapterBase](#) ← [FileReader](#) ← [VTestStudioHtmlFileReader](#)

## Inherited Members

[FileReader.Priority](#) , [FileReader.HumanReadableFileCount](#) , [FileReader.HumanReadableFileExtensions](#) ,  
[FileReader.HumanReadableRegexFileNames](#) , [FileReader.ReportDateTimeExpected](#) ,  
[FileReader.GetHumanReadableContents\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequests\(FileReaderContext\)](#) ,  
[FileReader.GetRelatedContentRequestsFromOptions\(FileReaderContext\)](#) ,  
[FileReader.TransformStringToDateTIme\(FileReaderContext, string\)](#) ,  
[FileReader.Validate\(FileReaderContext\)](#) , [FileReader.Execute\(FileReaderContext\)](#) ,  
[DataAdapterBase.TransformStringToValue\(string\)](#) , [DataAdapterBase.TransformStringToDateTIme\(string\)](#) ,  
[DataAdapterBase.ThrowWarningForEmptyDataProperty\(AdapterDataBase, ContextBase, string, string\)](#) ,  
[AdapterBase.Options](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### DataSource

The Data Source of the Adapter. If a report file contains data from multiple data sources, this property has to be to "Unknown" and the DataSource of each AdapterData object has to be defined.

```
public override string DataSource { get; }
```

### Property Value

[string](#)

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (\n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

### Property Value

[string](#)

## FileExtensions

File Extensions of the Adapter. This property has to be defined and must have at least one file extension. The Adapter is only used for FilePaths with the defined file extensions. The IsValid method is not called unless the file extension matches.

```
public override List<string> FileExtensions { get; }
```

### Property Value

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

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

### Property Value

[string](#)

# Version

```
public override Version Version { get; }
```

## Property Value

[Version](#) ↗

# Methods

## IsValid(FileReaderContext)

Check if the report contains 'vteststudio'

```
protected override bool IsValid(FileReaderContext fileContext)
```

### Parameters

fileContext [FileReaderContext](#)

Context of file

### Returns

[bool](#) ↗

true if file is a valid VTest Studio report file

## Read(FileReaderContext)

Find div element with 'System Under Test' value and read ArtifactPath from the second column of the next table's row that first column is 'ECU Name'. Find an element with the 'TestOverview' as value of name attribute to fetch report date time and data.

```
protected override AdapterReadResult Read(FileReaderContext fileContext)
```

### Parameters

## **fileContext** [FileReaderContext](#)

Context of file

Returns

### [AdapterReadResult](#)

All Data is stored in an AdapterData Model object

Examples

System Under Test

....

ECU Name:	ArtifactPath
-----------	--------------

# Class VTestStudioHtmlFileReader.FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Adapters.Files](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class VTestStudioHtmlFileReader.FileReaderAdapterOptions : FileReaderAdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← [FileReaderAdapterOptions](#) ←  
VTestStudioHtmlFileReader.FileReaderAdapterOptions

## Inherited Members

[FileReaderAdapterOptions.ArtifactPathFromFilePath](#) ,  
[FileReaderAdapterOptions.DataSourceNameFromFilePath](#) ,  
[FileReaderAdapterOptions.MeasurementNameFromFilePath](#) ,  
[FileReaderAdapterOptions.ReportDateTimeFromFilePath](#) ,  
[FileReaderAdapterOptions.HumanReadableFilePaths](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Namespace MES.MQC.DataSourceLibrary.Context

## Classes

[ContextBase](#)

[DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>](#)

[FileReaderContext](#)

# Class ContextBase

Namespace: [MES.MQC.DataSourceLibrary.Context](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ContextBase
```

## Inheritance

[object](#) ← ContextBase

## Derived

[DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>](#),  
[FileReaderContext](#), [ExportConnectorContext<TForm>](#)

## Inherited Members

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

# Properties

## AppDataPath

App data path for temp files.

```
public string AppDataPath { get; }
```

## Property Value

[string](#)

## MessageBag

Message bag, where errors and warnings can be thrown.

```
public MessageBag MessageBag { get; }
```

Property Value

[MessageBag](#)

## ProgressManager

Progress service, where tasks can be started, progress can be reported and cancel can be checked.

```
public IProgressManager ProgressManager { get; set; }
```

Property Value

[IProgressManager](#)

# Class DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>

Namespace: [MES.MQC.DataSourceLibrary.Context](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo> : ContextBase, IFormContext<TForm> where TForm : Form, new() where TContentLocation : ContentLocationBase, new() where TContentIdentifier : IContentIdentifier, new() where TLoadInfo : LoadInfoBase, new()
```

## Type Parameters

TForm

TContentLocation

TContentIdentifier

TLoadInfo

## Inheritance

[object](#) ← [ContextBase](#) ←

DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>

## Implements

[IFormContext](#)<TForm>

## Inherited Members

[ContextBase.MessageBag](#), [ContextBase.AppDataPath](#), [ContextBase.ProgressManager](#),  
[object.ToString\(\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),  
[object.MemberwiseClone\(\)](#)

## Properties

ConnectorSettings

Settings for the connector.

```
public ConnectorSettings ConnectorSettings { get; }
```

Property Value

[ConnectorSettings](#)

## Form

Form of the API DataLocation.

```
public TForm Form { get; }
```

Property Value

TForm

## ResultOfLastImport

Last result of the last GetDataLocationContents, if there was any. Includes Contents and LoadInfo..

```
public DataLocationContentResult<TContentLocation, TContentIdentifier, TLoadInfo>
ResultOfLastImport { get; set; }
```

Property Value

[DataLocationContentResult](#)<TContentLocation, TContentIdentifier, TLoadInfo>

# Class FileReaderContext

Namespace: [MES.MQC.DataSourceLibrary.Context](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class FileReaderContext : ContextBase, IDisposable
```

## Inheritance

[object](#) ← [ContextBase](#) ← FileReaderContext

## Implements

[IDisposable](#)

## Inherited Members

[ContextBase.MessageBag](#) , [ContextBase.AppDataPath](#) , [ContextBase.ProgressManager](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

# Properties

## Content

File content of the report file.

```
public string Content { get; }
```

## Property Value

[string](#)

## DateTime

Date of the report file.

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

Property Value

[DateTime](#)

## DateTimelsReportDate

Should the DateTime of the FileContent be used as the report date?

```
public bool DateTimeIsReportDate { get; }
```

Property Value

[bool](#)

## DirectoryPath

Directory path of the report file.

```
public string DirectoryPath { get; }
```

Property Value

[string](#)

## ExtractFindings

Should the adapter import findings?

```
public bool ExtractFindings { get; }
```

Property Value

[bool](#)

## FileExtension

File extension of the report file.

```
public string FileExtension { get; }
```

Property Value

[string](#)

## FileName

File name of the report file.

```
public string FileName { get; }
```

Property Value

[string](#)

## FileNameWithoutExtension

File name without extension of the report file.

```
public string FileNameWithoutExtension { get; }
```

Property Value

[string](#)

## FilePath

File Path of the report file.

```
public string FilePath { get; }
```

Property Value

[string](#)

## RelatedContents

```
public List<IFileContent> RelatedContents { get; }
```

### Property Value

[List](#)<[IFileContent](#)>

## Methods

### AsDataSet(int)

AsDataSet is a Utility method. It loads the file path as an DataSet. The DataSet is stored in a property and returned. The reading of the file is therefore only done once.

```
public DataSet AsDataSet(int removeRows = 0)
```

### Parameters

removeRows [int](#)

Number of rows to remove before parsing (e.g. invalid/merged rows above the header)

### Returns

[DataSet](#)

DataSet (with DataTables, System.Data)

### AsHtmlDocument()

AsHtmlDocument is a Utility method. It loads the file path as an HtmlDocument (HtmlAgilityPack). See <https://html-agility-pack.net/> for documentation. The document is stored in a property and returned. The reading of the file is therefore only done once.

```
public HtmlDocument AsHtmlDocument()
```

Returns

HtmlDocument

    HtmlDocument (HtmlAgilityPack)

## AsXDocument(bool)

It loads the file path as an XDocument, which can be traversed via XPath. See

<https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/concepts/linq/linq-to-xml-overview> for documentation.

The document is stored in a property and returned. The reading of the file is therefore only done once.

```
public XDocument AsXDocument(bool throwWarning = true)
```

Parameters

    throwWarning [bool](#)

Returns

[XDocument](#)

    XDocument (System.Xml)

## Dispose()

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

```
public void Dispose()
```

## GetDataFromBag<T>(string, out T)

```
public bool GetDataFromBag<T>(string key, out T value)
```

Parameters

key [string](#)

value [T](#)

Returns

[bool](#)

Type Parameters

[T](#)

## LoadHtmlDocument(Stream)

```
public HtmlDocument LoadHtmlDocument(Stream stream)
```

Parameters

stream [Stream](#)

Returns

[HtmlDocument](#)

## LoadHtmlDocument(string)

```
public HtmlDocument LoadHtmlDocument(string content)
```

Parameters

content [string](#)

Returns

HtmlDocument

## SetDataToBag<T>(string, T)

```
public void SetDataToBag<T>(string key, T value)
```

Parameters

key [string](#) ↗

value T

Type Parameters

T

# Namespace MES.MQC.DataSourceLibrary.Interfaces

## Interfaces

[IDataLocationConnector](#)

[IDataLocationConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo>](#)

[IDataLocationDataConnector](#)

[IDataLocationDataConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo>](#)

[IDataLocationFileConnector](#)

[IDataLocationFileConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo>](#)

[IDataLocationPreview](#)

[IDataLocationPreview<TForm, TContentLocation, TContentIdentifier, TLoadInfo>](#)

# Interface IDataLocationConnector

Namespace: [MES.MQC.DataSourceLibrary.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IDataLocationConnector : IFormAdapter
```

## Inherited Members

[IFormAdapter.Name](#) , [IFormAdapter.Description](#)

## Properties

### Version

```
Version Version { get; }
```

#### Property Value

[Version](#) ↗

# Interface **IDataLocationConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo>**

Namespace: [MES.MQC.DataSourceLibrary.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IDataLocationConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo> : IDataLocationConnector, IFormAdapter where TForm : Form, new() where TContentLocation : ContentLocationBase, new() where TContentIdentifier : IContentIdentifier, new() where TLoadInfo : LoadInfoBase, new()
```

## Type Parameters

TForm

TContentLocation

TContentIdentifier

TLoadInfo

## Inherited Members

[IDataLocationConnector.Version](#), [IFormAdapter.Name](#), [IFormAdapter.Description](#)

## Methods

### CheckDataLocationModified(DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>)

```
bool CheckDataLocationModified(DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo> context)
```

## Parameters

context [DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>](#)

Returns

[bool](#)

**GetDataLocationContents(DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>)**

```
DataLocationContentResult<TContentLocation, TContentIdentifier, TLoadInfo>
GetDataLocationContents(DataLocationConnectorContext<TForm, TContentLocation,
TContentIdentifier, TLoadInfo> context)
```

Parameters

context [DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>](#)

Returns

[DataLocationContentResult<TContentLocation, TContentIdentifier, TLoadInfo>](#)

# Interface IDataLocationDataConnector

Namespace: [MES.MQC.DataSourceLibrary.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IDataLocationDataConnector : IDataLocationConnector, IFormAdapter
```

## Inherited Members

[IDataLocationConnector.Version](#) , [IFormAdapter.Name](#) , [IFormAdapter.Description](#)

# Interface IDataLocationDataConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo>

Namespace: [MES.MQC.DataSourceLibrary.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IDataLocationDataConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo> : IDataLocationConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo>, IDataLocationDataConnector, IDataLocationConnector, IFormAdapter where TForm : Form, new() where TContentLocation : ContentLocationBase, new() where TContentIdentifier : IContentIdentifier, new() where TLoadInfo : LoadInfoBase, new()
```

## Type Parameters

TForm

TContentLocation

TContentIdentifier

TLoadInfo

## Inherited Members

[IDataLocationConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo>.GetDataLocationContents\(DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>\)](#),  
[IDataLocationConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo>.CheckDataLocationModified\(DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>\)](#),  
[IDataLocationConnector.Version](#) , [IFormAdapter.Name](#) , [IFormAdapter.Description](#)

## Methods

[GetDataLocationContentData\(DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>, DataContent<TContentLocation, TContentIdentifier>, bool\)](#)

```
DataLocationContentDataResult GetDataLocationContentData(DataLocationConnectorContext<TForm,  
TContentLocation, TContentIdentifier, TLoadInfo> context, DataContent<TContentLocation,  
TContentIdentifier> content, bool importFindings)
```

## Parameters

**context** [DataLocationConnectorContext](#)<TForm, TContentLocation, TContentIdentifier, TLoadInfo>

**content** [DataContent](#)<TContentLocation, TContentIdentifier>

**importFindings** [bool](#) ↗

## Returns

[DataLocationContentDataResult](#)

# Interface IDataLocationFileConnector

Namespace: [MES.MQC.DataSourceLibrary.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IDataLocationFileConnector : IDataLocationConnector, IFormAdapter
```

## Inherited Members

[IDataLocationConnector.Version](#) , [IFormAdapter.Name](#) , [IFormAdapter.Description](#)

# Interface IDataLocationFileConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo>

Namespace: [MES.MQC.DataSourceLibrary.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IDataLocationFileConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo> : IDataLocationConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo>, IDataLocationFileConnector, IDataLocationConnector, IFormAdapter where TForm : Form, new() where TContentLocation : ContentLocationBase, new() where TContentIdentifier : IContentIdentifier, new() where TLoadInfo : LoadInfoBase, new()
```

## Type Parameters

TForm

TContentLocation

TContentIdentifier

TLoadInfo

## Inherited Members

[IDataLocationConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo>.GetDataLocationContents\(DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>\)](#),  
[IDataLocationConnector<TForm, TContentLocation, TContentIdentifier, TLoadInfo>.CheckDataLocationModified\(DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>\)](#),  
[IDataLocationConnector.Version](#) , [IFormAdapter.Name](#) , [IFormAdapter.Description](#)

## Methods

[GetContentStream\(DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>, FileContent<TContentLocation, TContentIdentifier>, out string\)](#)

```
Stream GetContentStream(DataLocationConnectorContext< TForm, TContentLocation,  
TContentIdentifier, TLoadInfo> context, FileContent< TContentLocation, TContentIdentifier>  
content, out string error)
```

## Parameters

**context** [DataLocationConnectorContext](#)< TForm, TContentLocation, TContentIdentifier, TLoadInfo>

**content** [FileContent](#)< TContentLocation, TContentIdentifier>

**error** [string](#)

## Returns

[Stream](#)

```
GetRelatedContents(DataLocationConnectorContext< TForm,  
TContentLocation, TContentIdentifier, TLoadInfo>,  
FileContent< TContentLocation, TContentIdentifier>,  
RelatedContentRequest[])
```

```
IFileContent[] GetRelatedContents(DataLocationConnectorContext< TForm, TContentLocation,  
TContentIdentifier, TLoadInfo> context, FileContent< TContentLocation, TContentIdentifier>  
content, RelatedContentRequest[] relatedContentRequests)
```

## Parameters

**context** [DataLocationConnectorContext](#)< TForm, TContentLocation, TContentIdentifier, TLoadInfo>

**content** [FileContent](#)< TContentLocation, TContentIdentifier>

**relatedContentRequests** [RelatedContentRequest](#)[]

## Returns

[IFileContent](#)[]

# Interface IDataLocationPreview

Namespace: [MES.MQC.DataSourceLibrary.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IDataLocationPreview
```

# Interface **IDataLocationPreview<TForm, TContentLocation, TContentIdentifier, TLoadInfo>**

Namespace: [MES.MQC.DataSourceLibrary.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IDataLocationPreview<TForm, TContentLocation, TContentIdentifier,
TLoadInfo> : IDataLocationPreview where TForm : Form, new() where TContentLocation :
ContentLocationBase, new() where TContentIdentifier : IContentIdentifier, new() where
TLoadInfo : LoadInfoBase, new()
```

## Type Parameters

TForm

TContentLocation

TContentIdentifier

TLoadInfo

## Methods

CreatePreview(DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>, string, out int)

```
FormPreview[] CreatePreview(DataLocationConnectorContext<TForm, TContentLocation,
TContentIdentifier, TLoadInfo> context, string preview, out int totalCount)
```

## Parameters

context [DataLocationConnectorContext<TForm, TContentLocation, TContentIdentifier, TLoadInfo>](#)

preview [string](#)

**totalCount** [int](#)

Returns

[FormPreview\[\]](#)

# Namespace MES.MQC.DataSourceLibrary.Models.Adapters

## Classes

### [AdapterData](#)

The AdapterData class contains the data for one data item to be imported. Each Adapter returns a List of with objects of this class on execution with the Read method.

### [AdapterDataBase](#)

The AdapterDataBase class contains the data for one data item to be imported.

### [AdapterDataExtBase](#)

The BasicAdapterData class contains the data for one data item to be imported.

### [AdapterDataFromFilePath](#)

The AdapterDataFromFilePath class contains the data for a filePath read with basic adapter options.

### [AdapterDataVariant](#)

The AdapterDataVariant class contains a variant for one data item to be imported.

### [AdapterFinding](#)

The AdapterFinding class contains the data for one data item to be imported. Each Adapter returns a List of with objects of this class on execution with the Read method.

### [AdapterFindingCombination](#)

### [AdapterFindingData](#)

Data Relation for Findings.

### [AdapterFindingLocation](#)

All existing location information of finding

### [AdapterFindingLocationDetail](#)

### [AdapterFindingRelation](#)

Data Relation for Findings.

### [AdapterFindingVariant](#)

The AdapterFindingVariant class contains a variant for one finding item to be imported.

### [AdapterFindingVariantInner](#)

The AdapterFindingVariant class contains a variant for one finding item to be imported.

## [AdapterFindingVariantInnerDetail](#)

The AdapterFindingVariant class contains a variant for one finding item to be imported.

## [AdapterMeasure](#)

The AdapterMeasure class contains the data for one measure item to be imported.

## [AdapterMeasureVariant](#)

The AdapterMeasureVariant class contains a variant for one measure item to be imported.

## [AdapterReadResult](#)

The Result of Read.

## [AdapterResultBase](#)

The Result of Execute.

## [AdapterValidationResult](#)

The Result of Validate.

## [ApiConnectorAdapterOptions](#)

### [FileReaderAdapterOptions](#)

Default AdapterOptions for FileAdapters. Provides configuration to extract information from the file path (ArtifactPath, DataSourceName, MeasurementName, ReportDateTime).

#### [FileReaderAdapterOptions.DateTimeFromFilePath](#)

#### [FileReaderAdapterOptions.InputFromFilePath](#)

## [FileReaderResult](#)

The Result of FileAdapter.Execute.

## [ProjectAdapter](#)

# Class AdapterData

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterData class contains the data for one data item to be imported. Each Adapter returns a List of objects of this class on execution with the Read method.

```
public class AdapterData : AdapterDataExtBase
```

## Inheritance

[object](#) ← [AdapterDataBase](#) ← [AdapterDataExtBase](#) ← AdapterData

## Inherited Members

[AdapterDataExtBase.MeasurementName](#) , [AdapterDataExtBase.MeasureName](#) ,  
[AdapterDataExtBase.VariableName](#) , [AdapterDataBase.DateTime](#) , [AdapterDataBase.DataSourceName](#) ,  
[AdapterDataBase.ArtifactPath](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Properties

## ArtifactName

Name of the Artifact. This property is optional, the ArtifactName will be taken from the Project Structure if available or derived from the artifact path if not.

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

## Property Value

[string](#)

## Value

The Value has to be of the double type.

```
public double? Value { get; set; }
```

Property Value

double?

## Variants

Variants of the Data (VariableName + Value)

```
public List<AdapterDataVariant> Variants { get; set; }
```

Property Value

List<AdapterDataVariant>

## Methods

### AddVariant(string, double?)

```
public void AddVariant(string variableName, double? value = null)
```

Parameters

variableName string

value double?

# Class AdapterDataBase

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterDataBase class contains the data for one data item to be imported.

```
public abstract class AdapterDataBase
```

## Inheritance

[object](#) ← AdapterDataBase

## Derived

[AdapterDataExtBase](#), [AdapterFinding](#)

## Inherited Members

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

# Properties

## ArtifactPath

Path of the Artifact.

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

## Property Value

[string](#)

## DataSourceName

Name of the Data Source. This property is optional and can remain null, in this case the DataSource property of the Adapter is used.

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

Property Value

[string](#) ↗

## DateTime

Date of the report.

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

Property Value

[DateTime](#) ↗?

# Class AdapterDataExtBase

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The BasicAdapterData class contains the data for one data item to be imported.

```
public abstract class AdapterDataExtBase : AdapterDataBase
```

## Inheritance

[object](#) ← [AdapterDataBase](#) ← AdapterDataExtBase

## Derived

[AdapterData](#), [AdapterMeasure](#)

## Inherited Members

[AdapterDataBase.DateTime](#) , [AdapterDataBase.DataSourceName](#) , [AdapterDataBase.ArtifactPath](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

# Properties

## MeasureName

Name of the Measure.

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

## Property Value

[string](#)

## MeasurementName

Name of the Measurement.

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

Property Value

[string](#) ↗

VariableName

Name of the Variable.

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

Property Value

[string](#) ↗

# Class AdapterDataFromFilePath

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterDataFromFilePath class contains the data for a filePath read with basic adapter options.

```
public class AdapterDataFromFilePath
```

## Inheritance

[object](#) ← AdapterDataFromFilePath

## Inherited Members

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

## Properties

### ArtifactPath

Path of the Artifact.

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

### Property Value

[string](#)

### ArtifactPathFallback

Fallback Path of the Artifact.

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

### Property Value

[string](#)

## DataSourceName

Name of the Data Source.

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

### Property Value

[string](#)

## DataSourceNameFallback

Fallback Name of the Data Source.

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

### Property Value

[string](#)

## DateTime

Date of the report.

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

### Property Value

[DateTime](#)?

## DateTimeFallback

Fallback Date of the report.

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

## Property Value

[DateTime](#)?

## MeasurementName

Name of the Measurement.

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

## Property Value

[string](#)

## MeasurementNameFallback

Fallback Name of the Measurement.

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

## Property Value

[string](#)

# Class AdapterDataVariant

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterDataVariant class contains a variant for one data item to be imported.

```
public class AdapterDataVariant : AdapterMeasureVariant
```

## Inheritance

[object](#) ← [AdapterMeasureVariant](#) ← AdapterDataVariant

## Inherited Members

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

## Constructors

### AdapterDataVariant()

```
public AdapterDataVariant()
```

### AdapterDataVariant(string, double?)

```
public AdapterDataVariant(string variableName, double? value = null)
```

## Parameters

variableName [string](#)

value [double](#)?

## Properties

## Value

The Value has to be of the double type.

```
[JsonProperty("b")]
public double? Value { get; set; }
```

Property Value

double?

# Class AdapterFinding

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterFinding class contains the data for one data item to be imported. Each Adapter returns a List of objects of this class on execution with the Read method.

```
public class AdapterFinding : AdapterDataBase
```

## Inheritance

[object](#) ← [AdapterDataBase](#) ← AdapterFinding

## Inherited Members

[AdapterDataBase.DateTime](#) , [AdapterDataBase.DataSourceName](#) , [AdapterDataBase.ArtifactPath](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### AggregateData

Generate data from findings?

```
public bool AggregateData { get; set; }
```

### Property Value

[bool](#)

### DescriptionAsHtml

If the description is not plain text.

```
public bool DescriptionAsHtml { get; set; }
```

Property Value

[bool](#)

## HumanReadableDisabled

If no human readable file path should be auto detected.

```
public bool HumanReadableDisabled { get; set; }
```

Property Value

[bool](#)

## IssueMessageAsHtml

If the issue message is not plain text.

```
public bool IssueMessageAsHtml { get; set; }
```

Property Value

[bool](#)

## Measure

Measure of the Finding (e.g. Result, Coverage of Testcases).

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

Property Value

[string](#)

## MeasurementName

Name of Measurement, used to replace \${MeasurementName} in FindingStructure and FindingStructureForArtifact (after verified with adapter options).

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

## Property Value

[string](#) ↗

## SubjectType

Subject Type of the Finding (e.g. Requirement, Testcase, Check).

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

## Property Value

[string](#) ↗

## ValidUntil

How long is the finding valid?

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

## Property Value

[DateTime](#) ↗?

## Variants

Variants of the Finding (VariableName)

```
public List<AdapterFindingVariant> Variants { get; set; }
```

## Property Value

[List](#) <AdapterFindingVariant>

## Methods

Add(List<AdapterFinding>, string, string, DateTime?, string, string, string, string[], string, string, string[], string[], string, string, string, AdapterFindingLocation, Dictionary<string, string>, DateTime?, bool, bool, bool, string, DateTime?, bool, DateTime?, bool)

```
public static AdapterFindingCombination Add(List<AdapterFinding> findings, string identifier, string dataSource, DateTime? dateTime, string subjectType, string measure, string artifactPath, string[] artifactInnerPath, string state, string subjectName, string[] subjectPath, string[] subjectPathForArtifact, string description = null, string issueMessage = null, string humanReadableFilePath = null, string humanReadableAnchor = null, AdapterFindingLocation location = null, Dictionary<string, string> metadata = null, DateTime? deadline = null, bool issueMessageAsHtml = false, bool descriptionAsHtml = false, bool humanReadableDisabled = false, string measurementName = null, DateTime? dataDateTime = null, bool ignoreDuplicates = false, DateTime? validUntil = null, bool aggregateData = false)
```

## Parameters

findings [List](#) <AdapterFinding>

identifier [string](#)

dataSource [string](#)

dateTime [DateTime](#)?

subjectType [string](#)

measure [string](#)

artifactPath [string](#)

artifactInnerPath [string](#)[]

state [string](#)  
subjectName [string](#)  
subjectPath [string](#)[]  
subjectPathForArtifact [string](#)[]  
description [string](#)  
issueMessage [string](#)  
humanReadableFilePath [string](#)  
humanReadableAnchor [string](#)  
location [AdapterFindingLocation](#)  
metadata [Dictionary](#)<[string](#), [string](#)>  
deadline [DateTime](#)?  
issueMessageAsHtml [bool](#)  
descriptionAsHtml [bool](#)  
humanReadableDisabled [bool](#)  
measurementName [string](#)  
dataDateTime [DateTime](#)?  
ignoreDuplicates [bool](#)  
validUntil [DateTime](#)?  
aggregateData [bool](#)

Returns

[AdapterFindingCombination](#)

AddVariant(string, string, string, string[], string[], string[], string, string, string, AdapterFindingLocation, Dictionary<string,

## string>, DateTime?, DateTime?, bool)

```
public AdapterFindingCombination AddVariant(string identifier, string state, string
subjectName, string[] subjectPath, string[] subjectPathForArtifact, string[]
artifactInnerPath, string description = null, string issueMessage = null, string
humanReadableFilePath = null, string humanReadableAnchor = null, AdapterFindingLocation
location = null, Dictionary<string, string> metadata = null, DateTime? deadline = null,
DateTime? dataDateTime = null, bool ignoreDuplicates = false)
```

### Parameters

identifier [string](#)

state [string](#)

subjectName [string](#)

subjectPath [string](#)[]

subjectPathForArtifact [string](#)[]

artifactInnerPath [string](#)[]

description [string](#)

issueMessage [string](#)

humanReadableFilePath [string](#)

humanReadableAnchor [string](#)

location [AdapterFindingLocation](#)

metadata [Dictionary](#)<[string](#), [string](#)>

deadline [DateTime](#)?

dataDateTime [DateTime](#)?

ignoreDuplicates [bool](#)

### Returns

[AdapterFindingCombination](#)

# Class AdapterFindingCombination

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class AdapterFindingCombination
```

## Inheritance

[object](#) ← AdapterFindingCombination

## Inherited Members

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

## Properties

### DetailVariant

```
public AdapterFindingVariantInnerDetail DetailVariant { get; set; }
```

#### Property Value

[AdapterFindingVariantInnerDetail](#)

### Finding

```
public AdapterFinding Finding { get; set; }
```

#### Property Value

[AdapterFinding](#)

### InnerVariant

```
public AdapterFindingVariantInner InnerVariant { get; set; }
```

Property Value

[AdapterFindingVariantInner](#)

Variant

```
public AdapterFindingVariant Variant { get; set; }
```

Property Value

[AdapterFindingVariant](#)

## Methods

AddDataRelation(string, string, string)

```
public void AddDataRelation(string measurementName, string measureName, string variableName)
```

Parameters

measurementName [string](#)

measureName [string](#)

variableName [string](#)

AddFindingRelation(AdapterFindingCombination, string, bool)

```
public void AddFindingRelation(AdapterFindingCombination findingCombination, string result = null, bool reverse = true)
```

Parameters

`findingCombination` [AdapterFindingCombination](#)

`result` [string](#)

`reverse` [bool](#)

`AddFindingRelations(IEnumerable<AdapterFindingCombination>)`

```
public void AddFindingRelations(IEnumerable<AdapterFindingCombination> findingCombinations)
```

Parameters

`findingCombinations` [IEnumerable](#)<[AdapterFindingCombination](#)>

`GetKeyForRelation(AdapterFindingCombination)`

```
public string GetKeyForRelation(AdapterFindingCombination findingCombination)
```

Parameters

`findingCombination` [AdapterFindingCombination](#)

Returns

[string](#)

`GetKeyForRelation(DateTime?, string, string, string, string, string, string)`

```
public static string GetKeyForRelation(DateTime? reportDateTime, string dataSourceState, string measure, string subjectType, string subjectName, string subjectPath, string artifactInnerPath)
```

Parameters

reportDateTime [DateTime](#)?

dataSourceState [string](#)

measure [string](#)

subjectType [string](#)

subjectName [string](#)

subjectPath [string](#)

artifactInnerPath [string](#)

Returns

[string](#)

# Class AdapterFindingData

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Data Relation for Findings.

```
public class AdapterFindingData
```

## Inheritance

[object](#) ← AdapterFindingData

## Inherited Members

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

## Properties

### MeasureName

Name of the Measure.

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

### Property Value

[string](#)

### MeasurementName

Name of the Measurement.

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

### Property Value

[string](#) ↗

## VariableName

Name of the Variable.

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

## Property Value

[string](#) ↗

# Class AdapterFindingLocation

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

All existing location information of finding

```
public class AdapterFindingLocation
```

## Inheritance

[object](#) ← AdapterFindingLocation

## Inherited Members

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

## Properties

### ClassName

Fully qualified class name (including namespace), provided by:

- DotCover
- JUnit (if typeOf property exists)

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

### Property Value

[string](#)

## Details

Code location details (including methods, line numbers, columns and snippets), provided by:

- DotCover
- CodeClimate

```
public List<AdapterFindingLocationDetail> Details { get; set; }
```

## Property Value

[List ↗ <AdapterFindingLocationDetail>](#)

## FilePath

Source of the Model/Code/..., provided by:

- CodeClimate
- JUnit (if file attribute exists)
- DotCover
- MXAM

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

## Property Value

[string ↗](#)

## MethodName

Method name, provided by:

- DotCover (if FindingType is set to Method or Statement)
- JUnit (if typeOf property exists)

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

## Property Value

[string ↗](#)

## ModellInnerPath

Inner path of the model (Subsystem), provided by:

- MXAM

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

Property Value

[string](#) ↗

## ModelName

Name of the model, provided by:

- MXAM

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

Property Value

[string](#) ↗

# Class AdapterFindingLocationDetail

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class AdapterFindingLocationDetail
```

## Inheritance

[object](#) ← AdapterFindingLocationDetail

## Inherited Members

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

# Properties

## CodeSnippet

Snippet of code, provided by:

- DotCover

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

## Property Value

[string](#)

## ColumnEnd

Last column in last line of code, provided by:

- DotCover

```
public int? ColumnEnd { get; set; }
```

## Property Value

[int↗?](#)

## ColumnStart

First column in first line of code, provided by:

- DotCover

```
public int? ColumnStart { get; set; }
```

## Property Value

[int↗?](#)

## LineEnd

Last line of code, provided by:

- DotCover
- CodeClimate

```
public int? LineEnd { get; set; }
```

## Property Value

[int↗?](#)

## LineStart

First line of code, provided by:

- DotCover
- CodeClimate

```
public int? LineStart { get; set; }
```

Property Value

[int](#)?

## MethodName

Method of the class, provided by:

- DotCover (if FindingType is set to File or Class)

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

Property Value

[string](#)

# Class AdapterFindingRelation

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Data Relation for Findings.

```
public class AdapterFindingRelation
```

## Inheritance

[object](#) ← AdapterFindingRelation

## Inherited Members

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

## Properties

### Finding

The Finding.

```
public AdapterFinding Finding { get; set; }
```

Property Value

[AdapterFinding](#)

### RelationResult

Result of the relation (optional).

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

Property Value

[string ↗](#)

# Class AdapterFindingVariant

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterFindingVariant class contains a variant for one finding item to be imported.

```
public class AdapterFindingVariant
```

## Inheritance

[object](#) ← AdapterFindingVariant

## Inherited Members

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

# Properties

## InnerVariants

```
public List<AdapterFindingVariantInner> InnerVariants { get; set; }
```

## Property Value

[List](#)<[AdapterFindingVariantInner](#)>

## State

State of the finding variant (e.g. Warning, Failed).

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

## Property Value

[string](#)

# Methods

AddInnerVariant(string, string, string[], string[], string[], string, string, string, string, AdapterFindingLocation, Dictionary<string, string>, DateTime?, DateTime?, bool)

```
public AdapterFindingCombination AddInnerVariant(string identifier, string subjectName,
string[] subjectPath, string[] subjectPathForArtifact, string[] artifactInnerPath = null,
string description = null, string issueMessage = null, string humanReadableFilePath = null,
string humanReadableAnchor = null, AdapterFindingLocation location = null,
Dictionary<string, string> metadata = null, DateTime? deadline = null, DateTime?
dataDateTime = null, bool ignoreDuplicates = false)
```

## Parameters

identifier [string](#)

subjectName [string](#)

subjectPath [string](#)[]

subjectPathForArtifact [string](#)[]

artifactInnerPath [string](#)[]

description [string](#)

issueMessage [string](#)

humanReadableFilePath [string](#)

humanReadableAnchor [string](#)

location [AdapterFindingLocation](#)

metadata [Dictionary](#)<[string](#), [string](#)>

deadline [DateTime](#)?

dataDateTime [DateTime](#)?

`ignoreDuplicates` [bool](#)

Returns

[AdapterFindingCombination](#)

## GetInnerVariant(string, string[], string[], string[])

```
public AdapterFindingVariantInner GetInnerVariant(string subjectName, string[] subjectPath,  
string[] subjectPathForArtifact, string[] artifactInnerPath = null)
```

Parameters

`subjectName` [string](#)

`subjectPath` [string](#)[]

`subjectPathForArtifact` [string](#)[]

`artifactInnerPath` [string](#)[]

Returns

[AdapterFindingVariantInner](#)

# Class AdapterFindingVariantInner

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterFindingVariant class contains a variant for one finding item to be imported.

```
public class AdapterFindingVariantInner
```

## Inheritance

[object](#) ← AdapterFindingVariantInner

## Inherited Members

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

# Properties

## DetailVariants

```
public List<AdapterFindingVariantInnerDetail> DetailVariants { get; set; }
```

## Property Value

[List](#)<[AdapterFindingVariantInnerDetail](#)>

## HumanReadableAnchor

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

## Property Value

[string](#)

## HumanReadableFilePath

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

Property Value

[string](#)

## SubjectName

Subject Name of the finding variant.

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

Property Value

[string](#)

## SubjectPath

Subject Path of the finding variant.

```
public string[] SubjectPath { get; set; }
```

Property Value

[string](#)[]

## SubjectPathForArtifact

Subject Path of the finding variant specific only for one artifact.

```
public string[] SubjectPathForArtifact { get; set; }
```

Property Value

[string](#)[]

## Methods

AddDetailVariant(string, string[], string, string,  
AdapterFindingLocation, Dictionary<string, string>, DateTime?,  
DateTime?, bool)

```
public AdapterFindingCombination AddDetailVariant(string identifier, string[]  
artifactInnerPath, string description = null, string issueMessage = null,  
AdapterFindingLocation location = null, Dictionary<string, string> metadata = null,  
DateTime? deadline = null, DateTime? dataDateTime = null, bool ignoreDuplicates = false)
```

### Parameters

identifier [string](#)[]

artifactInnerPath [string](#)[]

description [string](#)[]

issueMessage [string](#)[]

location [AdapterFindingLocation](#)

metadata [Dictionary](#)<[string](#), [string](#)>

deadline [DateTime](#)?

dataDateTime [DateTime](#)?

ignoreDuplicates [bool](#)

### Returns

[AdapterFindingCombination](#)

# Class AdapterFindingVariantInnerDetail

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterFindingVariant class contains a variant for one finding item to be imported.

```
public class AdapterFindingVariantInnerDetail
```

## Inheritance

[object](#) ← AdapterFindingVariantInnerDetail

## Inherited Members

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

## Properties

### ArtifactInnerPath

Path within the Artifact to the issue related to the Finding.

```
public string[] ArtifactInnerPath { get; set; }
```

### Property Value

[string](#)[]

### DataDateTime

Data DateTime of the finding variant

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

### Property Value

[DateTime](#)?

## Deadline

Deadline of the finding variant

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

## Property Value

[DateTime](#)?

## Description

Description of the finding variant (contains information what the finding is about).

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

## Property Value

[string](#)

## Identifier

Unique Identifier of the specific finding (for datasource, artifact, and revision)

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

## Property Value

[string](#)

## IssueMessage

Issue Message of the finding variant (contains the problem).

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

Property Value

[string](#)

## Location

Location of the finding variant

```
public AdapterFindingLocation Location { get; set; }
```

Property Value

[AdapterFindingLocation](#)

## Metadata

Location of the finding variant

```
public Dictionary<string, string> Metadata { get; set; }
```

Property Value

[Dictionary](#)<[string](#), [string](#)>

# Class AdapterMeasure

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterMeasure class contains the data for one measure item to be imported.

```
public class AdapterMeasure : AdapterDataExtBase
```

## Inheritance

[object](#) ← [AdapterDataBase](#) ← [AdapterDataExtBase](#) ← AdapterMeasure

## Inherited Members

[AdapterDataExtBase.MeasurementName](#) , [AdapterDataExtBase.MeasureName](#) ,  
[AdapterDataExtBase.VariableName](#) , [AdapterDataBase.DateTime](#) , [AdapterDataBase.DataSourceName](#) ,  
[AdapterDataBase.ArtifactPath](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Properties

## Variants

Variants of the Measure (VariableName)

```
public List<AdapterMeasureVariant> Variants { get; set; }
```

## Property Value

[List](#) <[AdapterMeasureVariant](#)>

# Class AdapterMeasureVariant

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterMeasureVariant class contains a variant for one measure item to be imported.

```
public class AdapterMeasureVariant
```

## Inheritance

[object](#) ← AdapterMeasureVariant

## Derived

[AdapterDataVariant](#)

## Inherited Members

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

## Constructors

### AdapterMeasureVariant()

```
public AdapterMeasureVariant()
```

### AdapterMeasureVariant(string)

```
public AdapterMeasureVariant(string variableName)
```

## Parameters

variableName [string](#)

# Properties

## VariableName

Name of the Variable.

```
[JsonProperty("a")]
public string VariableName { get; set; }
```

## Property Value

[string](#)

# Class AdapterReadResult

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The Result of Read.

```
public class AdapterReadResult
```

## Inheritance

[object](#) ← AdapterReadResult

## Inherited Members

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

## Properties

### Data

The imported data (aggregated numbers).

```
public List<AdapterData> Data { get; }
```

### Property Value

[List](#) <[AdapterData](#)>

### Findings

The imported findings (data details).

```
public List<AdapterFinding> Findings { get; }
```

### Property Value

[List](#) <AdapterFinding>

## Measures

The imported measures (which data should be defaulted if not imported).

```
public List<AdapterMeasure> Measures { get; }
```

Property Value

[List](#) <AdapterMeasure>

# Class AdapterResultBase

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The Result of Execute.

```
public class AdapterResultBase
```

Inheritance

[object](#) ← AdapterResultBase

Derived

[FileReaderResult](#)

Inherited Members

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

## Constructors

AdapterResultBase()

```
public AdapterResultBase()
```

## Properties

Data

```
public List<ExtractedData> Data { get; set; }
```

Property Value

[List](#) <[ExtractedData](#)>

## Findings

```
public List<ExtractedFinding> Findings { get; set; }
```

Property Value

[List ↗ <ExtractedFinding>](#)

## Measures

```
public List<ExtractedMeasure> Measures { get; set; }
```

Property Value

[List ↗ <ExtractedMeasure>](#)

## MessageBag

```
public MessageBag MessageBag { get; set; }
```

Property Value

[MessageBag](#)

# Class AdapterValidationResult

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The Result of Validate.

```
public class AdapterValidationResult
```

Inheritance

[object](#) ← AdapterValidationResult

Inherited Members

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

## Properties

IsValid

```
public bool IsValid { get; set; }
```

Property Value

[bool](#)

MessageBag

```
public MessageBag MessageBag { get; set; }
```

Property Value

[MessageBag](#)

# Class ApiConnectorAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ApiConnectorAdapterOptions : AdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← ApiConnectorAdapterOptions

## Derived

[GitlabApiConnectorBase.GitlabAdapterOptions](#),  
[JenkinsPipelineApiConnector.JenkinsPipelineAdapterOptions](#),  
[JfrogArtifactoryArtifactsApiConnector.JfrogArtifactoryArtifactsAdapterOptions](#),  
[JiralssueApiConnector.JiralissueAdapterOptions](#)

## Inherited Members

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

# Class FileReaderAdapterOptions

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Default AdapterOptions for FileAdapters. Provides configuration to extract information from the file path (ArtifactPath, DataSourceName, MeasurementName, ReportDateTime).

```
public abstract class FileReaderAdapterOptions : AdapterOptions
```

## Inheritance

[object](#) ← AdapterOptions ← FileReaderAdapterOptions

## Derived

[AstreeXmlFileReader.FileReaderAdapterOptions](#), [CodeClimateJsonFileReader.FileReaderAdapterOptions](#),  
[DotCoverXmlFileReader.FileReaderAdapterOptions](#),  
[EmbeddedTesterHtmlFileReader.FileReaderAdapterOptions](#),  
[GenericDataSheetFileReader.FileReaderAdapterOptions](#), [JUnitXmlFileReader.FileReaderAdapterOptions](#),  
[MtestHtmlFileReader.FileReaderAdapterOptions](#), [MxSuiteXmlFileReader.FileReaderAdapterOptions](#),  
[MxamExcelFileReader.FileReaderAdapterOptions](#), [MxamMxmrFileReader.FileReaderAdapterOptions](#),  
[MxrayHtmlFileReader.FileReaderAdapterOptions](#), [MxrayXmlFileReader.FileReaderAdapterOptions](#),  
[PolyspaceCsvFileReader.FileReaderAdapterOptions](#), [PolyspaceXmlFileReader.FileReaderAdapterOptions](#),  
[QacHtmlFileReader.FileReaderAdapterOptions](#), [QacXmlFileReader.FileReaderAdapterOptions](#),  
[RtrtHtmlFileReader.FileReaderAdapterOptions](#), [SICheckHtmlFileReader.FileReaderAdapterOptions](#),  
[SIDesignVerifierHtmlFileReader.FileReaderAdapterOptions](#),  
[SIRequirementHtmlFileReader.FileReaderAdapterOptions](#),  
[TargetLinkHtmlFileReader.FileReaderAdapterOptions](#), [TessyXmlFileReader.FileReaderAdapterOptions](#),  
[TestwellCtcHtmlFileReader.FileReaderAdapterOptions](#),  
[TestwellCtcXmlFileReader.FileReaderAdapterOptions](#), [TptHtmlFileReader.FileReaderAdapterOptions](#),  
[TptXmlFileReader.FileReaderAdapterOptions](#), [VTestStudioHtmlFileReader.FileReaderAdapterOptions](#)

## Inherited Members

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

# Properties

## ArtifactPathFromFilePath

Extract the ArtifactPath from the given file path.

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public FileReaderAdapterOptions.InputFromFilePath[] ArtifactPathFromFilePath { get; set; }
```

Property Value

[InputFromFilePath\[\]](#)

## DataSourceNameFromFilePath

Extract the DataSourceName from the given file path.

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public FileReaderAdapterOptions.InputFromFilePath[] DataSourceNameFromFilePath { get; set; }
```

Property Value

[InputFromFilePath\[\]](#)

## HumanReadableFilePaths

Find human readable file paths based on the imported data, usable in string pattern: {DataSourceName}, {ArtifactPath}, {MeasurementName}

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string[] HumanReadableFilePaths { get; set; }
```

Property Value

[string\[\]](#)

## MeasurementNameFromFilePath

Extract the MeasurementName from the given file path.

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public FileReaderAdapterOptions.InputFromFilePath[] MeasurementNameFromFilePath { get;  
set; }
```

Property Value

[InputFromFilePath\[\]](#)

## ReportDateTimeFromFilePath

Extract the ReportDateTime from the given file path.

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public FileReaderAdapterOptions.DateTimeFromFilePath[] ReportDateTimeFromFilePath { get;  
set; }
```

Property Value

[DateTimeFromFilePath\[\]](#)

# Class FileReaderAdapterOptions.DateTimeFromFilePath

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonObject(ItemRequired = Required.DisallowNull, ItemNullValueHandling  
= NullValueHandling.Ignore)]  
public class FileReaderAdapterOptions.DateTimeFromFilePath :  
FileReaderAdapterOptions.InputFromFilePath
```

## Inheritance

[object](#) ← [FileReaderAdapterOptions.InputFromFilePath](#) ←

FileReaderAdapterOptions.DateTimeFromFilePath

## Inherited Members

[FileReaderAdapterOptions.InputFromFilePath.IsFallback](#) ,  
[FileReaderAdapterOptions.InputFromFilePath.Regex](#) ,  
[FileReaderAdapterOptions.InputFromFilePath.Result](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) ,  
[object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### Format

Format of the date string in the file path.

```
[JsonProperty(Required = Required.Always, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string Format { get; set; }
```

### Property Value

[string](#)

# Class FileReaderAdapterOptions.InputFromFile Path

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
[JsonObject(ItemRequired = Required.DisallowNull, ItemNullValueHandling  
= NullValueHandling.Ignore)]  
public class FileReaderAdapterOptions.InputFromFilePath
```

## Inheritance

[object](#) ← FileReaderAdapterOptions.InputFromFilePath

## Derived

[FileReaderAdapterOptions.DateTimeFromFilePath](#)

## Inherited Members

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

# Properties

## IsFallback

Should the value from file path only be used as a fallback (if it was empty/null).

```
[JsonProperty(Required = Required.DisallowNull, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public bool IsFallback { get; set; }
```

## Property Value

[bool](#)

## Regex

Regex to extract the value from a file path.

```
[JsonProperty(Required = Required.Always, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string Regex { get; set; }
```

Property Value

[string](#) ↗

## Result

Which result should be used from the regex? (e.g. \$1).

```
[JsonProperty(Required = Required.Always, DefaultValueHandling  
= DefaultValueHandling.Ignore)]  
public string Result { get; set; }
```

Property Value

[string](#) ↗

# Class FileReaderResult

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The Result of FileAdapter.Execute.

```
public class FileReaderResult : AdapterResultBase
```

## Inheritance

[object](#) ← [AdapterResultBase](#) ← FileReaderResult

## Inherited Members

[AdapterResultBase.MessageBag](#) , [AdapterResultBase.Data](#) , [AdapterResultBase.Measures](#) ,  
[AdapterResultBase.Findings](#) , [object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Constructors

### FileReaderResult()

```
public FileReaderResult()
```

### FileReaderResult(FileReaderContext)

```
public FileReaderResult(FileReaderContext context)
```

## Parameters

context [FileReaderContext](#)

## Properties

## HumanReadableContentKeys

```
public HashSet<string> HumanReadableContentKeys { get; set; }
```

Property Value

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

# Class ProjectAdapter

Namespace: [MES.MQC.DataSourceLibrary.Models.Adapters](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ProjectAdapter
```

## Inheritance

[object](#) ← ProjectAdapter

## Inherited Members

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

## Constructors

### ProjectAdapter(AdapterBase, string)

```
public ProjectAdapter(AdapterBase adapter, string groupName = null)
```

#### Parameters

adapter [AdapterBase](#)

groupName [string](#)

### ProjectAdapter(ProjectAdapter)

```
public ProjectAdapter(ProjectAdapter projectAdapter)
```

#### Parameters

projectAdapter [ProjectAdapter](#)

# Properties

## Adapter

```
[JsonIgnore]  
public AdapterBase Adapter { get; }
```

### Property Value

[AdapterBase](#)

## CustomAdapterSource

```
public CustomAdapterSource CustomAdapterSource { get; }
```

### Property Value

[CustomAdapterSource](#)

## Description

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

### Property Value

[string](#) ↗

## FileExtensions

```
public string[] FileExtensions { get; }
```

### Property Value

[string](#) ↗ []

## Group

```
public string Group { get; }
```

### Property Value

[string ↗](#)

## Identifier

```
public string Identifier { get; }
```

### Property Value

[string ↗](#)

## Name

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

### Property Value

[string ↗](#)

## Priority

```
public int Priority { get; }
```

### Property Value

[int ↗](#)

## Type

```
public string Type { get; }
```

Property Value

[string](#) ↗

# Namespace MES.MQC.DataSourceLibrary.Models.Connectors

## Classes

[ContentBase<TLocation, TIdentifier>](#)

[ContentLocationBase](#)

[DataContent<TLocation, TIdentifier>](#)

[DataLocationContentDataResult](#)

[DataLocationContentResult<TContentLocation, TContentIdentifier, TLoadInfo>](#)

Result of GetDataLocationContents Define LoadInfo for the next execution.

[FileContent<TLocation, TIdentifier>](#)

[FileZipContent<TLocation, TIdentifier>](#)

[LoadInfoBase](#)

Load Info of a Connector loading contents, so that the next loading can be done additive.

[PublicUrlWrapper](#)

[RelatedContentRequest](#)

# Class ContentBase<TLocation, TIdentifier>

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ContentBase<TLocation, TIdentifier> : IContent where TLocation : ContentLocationBase, new() where TIdentifier : IContentIdentifier, new()
```

## Type Parameters

TLocation

TIdentifier

## Inheritance

[object](#) ← ContentBase<TLocation, TIdentifier>

## Implements

[IContent](#)

## Derived

[DataContent<TLocation, TIdentifier>](#), [FileContent<TLocation, TIdentifier>](#)

## Inherited Members

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

# Properties

## DateTime

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

## Property Value

[DateTime](#)

## DateTimelsReportDate

```
public virtual bool DateTimeIsReportDate { get; set; }
```

Property Value

[bool](#)

## Identifier

```
public virtual TIdentifier Identifier { get; set; }
```

Property Value

TIdentifier

## Location

```
public virtual TLocation Location { get; set; }
```

Property Value

TLocation

## PublicUrl

```
public virtual string PublicUrl { get; set; }
```

Property Value

[string](#)

## Type

```
[YamlMember(Order = -2147483648, Alias = "$type")]
[JsonProperty(Required = Required.Always, Order = -2147483648, PropertyName = "$type")]
public string Type { get; set; }
```

Property Value

[string](#)

## Methods

Clear()

```
public virtual void Clear()
```

GetIdentifier()

```
public IContentIdentifier GetIdentifier()
```

Returns

[IContentIdentifier](#)

GetLocation()

```
public ContentLocationBase GetLocation()
```

Returns

[ContentLocationBase](#)

ToCacheKey()

```
public virtual string ToCacheKey()
```

Returns

[string](#) ↗

## ToKey()

```
public virtual string ToKey()
```

Returns

[string](#) ↗

## ToSerializedForExtracted()

```
public string ToSerializedForExtracted()
```

Returns

[string](#) ↗

# Class ContentLocationBase

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ContentLocationBase
```

## Inheritance

[object](#) ← ContentLocationBase

## Derived

[GitlabLocation](#), [JenkinsLocation](#), [JfrogArtifactoryArtifactsLocation](#), [JiraLocation](#)

## Inherited Members

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

## Methods

### ToSerializedForCache()

```
public string ToSerializedForCache()
```

## Returns

[string](#)

# Class DataContent<TLocation, TIdentifier>

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class DataContent<TLocation, TIdentifier> : ContentBase<TLocation, TIdentifier>,  
IDataContent, IContent where TLocation : ContentLocationBase, new() where TIdentifier :  
IContentIdentifier, new()
```

## Type Parameters

TLocation

TIdentifier

## Inheritance

[object](#) ← [ContentBase](#)<TLocation, TIdentifier> ← DataContent<TLocation, TIdentifier>

## Implements

[IDataContent](#), [IContent](#)

## Inherited Members

[ContentBase<TLocation, TIdentifier>.Type](#) , [ContentBase<TLocation, TIdentifier>.Location](#) ,  
[ContentBase<TLocation, TIdentifier>.Identifier](#) , [ContentBase<TLocation, TIdentifier>.PublicUrl](#) ,  
[ContentBase<TLocation, TIdentifier>.DateTimelsReportDate](#) ,  
[ContentBase<TLocation, TIdentifier>.DateTime](#) , [ContentBase<TLocation, TIdentifier>.GetLocation\(\)](#) ,  
[ContentBase<TLocation, TIdentifier>.GetIdentifier\(\)](#) , [ContentBase<TLocation, TIdentifier>.Clear\(\)](#) ,  
[ContentBase<TLocation, TIdentifier>.ToSerializedForExtracted\(\)](#) ,  
[ContentBase<TLocation, TIdentifier>.ToCacheKey\(\)](#) , [ContentBase<TLocation, TIdentifier>.ToKey\(\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

# Class DataLocationContentDataResult

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class DataLocationContentDataResult
```

## Inheritance

[object](#) ← DataLocationContentDataResult

## Inherited Members

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

# Properties

## Data

```
public List<AdapterData> Data { get; set; }
```

## Property Value

[List](#) <[AdapterData](#)>

## Findings

```
public List<AdapterFinding> Findings { get; set; }
```

## Property Value

[List](#) <[AdapterFinding](#)>

## Measures

```
public List<AdapterMeasure> Measures { get; set; }
```

## Property Value

[List](#) <[AdapterMeasure](#)>

# Class

## DataLocationContentResult<TContentLocation, TContentIdentifier, TLoadInfo>

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Result of GetDataLocationContents Define LoadInfo for the next execution.

```
public class DataLocationContentResult<TContentLocation, TContentIdentifier, TLoadInfo> :  
    IDataLocationResult where TContentLocation : ContentLocationBase, new() where  
    TContentIdentifier : IContentIdentifier, new() where TLoadInfo : LoadInfoBase, new()
```

### Type Parameters

TContentLocation

TContentIdentifier

TLoadInfo

### Inheritance

[object](#) ← DataLocationContentResult<TContentLocation, TContentIdentifier, TLoadInfo>

### Implements

[IDataLocationResult](#)

### Inherited Members

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

# Constructors

## DataLocationContentResult()

```
public DataLocationContentResult()
```

# DataLocationContentResult(IEnumerable<ContentBase<TContentLocation, TContentIdentifier>>, TLoadInfo)

```
public DataLocationContentResult(IEnumerable<ContentBase<TContentLocation,  
TContentIdentifier>> contents, TLoadInfo loadInfo)
```

## Parameters

contents [IEnumerable](#)<[ContentBase](#)<TContentLocation, TContentIdentifier>>  
loadInfo [TLoadInfo](#)

## Properties

### Contents

```
public List<ContentBase<TContentLocation, TContentIdentifier>> Contents { get; set; }
```

### Property Value

[List](#)<[ContentBase](#)<TContentLocation, TContentIdentifier>>

### LoadInfo

```
public TLoadInfo LoadInfo { get; set; }
```

### Property Value

[TLoadInfo](#)

### Type

```
[JsonProperty(Required = Required.Always, Order = -2147483648, PropertyName = "$type")]  
public string Type { get; set; }
```

Property Value

[string](#)

## Methods

### GetContents()

```
public IEnumerable<IContent> GetContents()
```

Returns

[IEnumerable](#) <[IContent](#)>

### GetLoadInfo()

```
public LoadInfoBase GetLoadInfo()
```

Returns

[LoadInfoBase](#)

# Class FileContent<TLocation, TIdentifier>

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class FileContent<TLocation, TIdentifier> : ContentBase<TLocation, TIdentifier>,  
IFileContent, IContent where TLocation : ContentLocationBase, new() where TIdentifier :  
IContentIdentifier, new()
```

## Type Parameters

TLocation

TIdentifier

## Inheritance

[object](#) ← [ContentBase](#)<TLocation, TIdentifier> ← FileContent<TLocation, TIdentifier>

## Implements

[IFileContent](#), [IContent](#)

## Derived

[FileZipContent](#)<TLocation, TIdentifier>

## Inherited Members

[ContentBase<TLocation, TIdentifier>.Type](#) , [ContentBase<TLocation, TIdentifier>.Location](#) ,  
[ContentBase<TLocation, TIdentifier>.Identifier](#) , [ContentBase<TLocation, TIdentifier>.PublicUrl](#) ,  
[ContentBase<TLocation, TIdentifier>.DateTimeIsReportDate](#) ,  
[ContentBase<TLocation, TIdentifier>.DateTime](#) , [ContentBase<TLocation, TIdentifier>.GetLocation\(\)](#) ,  
[ContentBase<TLocation, TIdentifier>.GetIdentifier\(\)](#) , [ContentBase<TLocation, TIdentifier>.Clear\(\)](#) ,  
[ContentBase<TLocation, TIdentifier>.ToSerializedForExtracted\(\)](#) ,  
[ContentBase<TLocation, TIdentifier>.ToCacheKey\(\)](#) , [ContentBase<TLocation, TIdentifier>.ToKey\(\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

FileExtension

```
[YamlIgnore]  
[JsonIgnore]  
public string FileExtension { get; }
```

Property Value

[string](#)

## FileName

```
[YamlIgnore]  
[JsonIgnore]  
public string FileName { get; }
```

Property Value

[string](#)

## FileNameWithoutExtension

```
[YamlIgnore]  
[JsonIgnore]  
public string FileNameWithoutExtension { get; }
```

Property Value

[string](#)

## FilePath

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

Property Value

[string](#)

## FileZipContents

```
[YamlIgnore]
[JsonIgnore]
public Dictionary<string, List<IFileZipContent>> FileZipContents { get; set; }
```

### Property Value

[Dictionary](#) <[string](#), [List](#) <[IFileZipContent](#)>>

## FullPath

```
[YamlIgnore]
[JsonIgnore]
public virtual string FullFilePath { get; }
```

### Property Value

[string](#)

## Methods

### AsZipContent()

```
public IFileZipContent AsZipContent()
```

### Returns

[IFileZipContent](#)

### Clear()

```
public override void Clear()
```

## GetFileZipPaths()

```
public string[] GetFileZipPaths()
```

Returns

[string](#)[]

## SetFileZipPaths(IEnumerable<string>)

```
public void SetFileZipPaths(IEnumerable<string> fileZipPaths)
```

Parameters

fileZipPaths [IEnumerable](#)<[string](#)>

# Class FileZipContent<TLocation, TIdentifier>

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class FileZipContent<TLocation, TIdentifier> : FileContent<TLocation, TIdentifier>,  
IFileZipContent, IFileContent, IContent where TLocation : ContentLocationBase, new() where  
TIdentifier : IContentIdentifier, new()
```

## Type Parameters

TLocation

TIdentifier

## Inheritance

[object](#) ← [ContentBase](#)<TLocation, TIdentifier> ← [FileContent](#)<TLocation, TIdentifier> ←  
FileZipContent<TLocation, TIdentifier>

## Implements

[IFileZipContent](#), [IFileContent](#), [IContent](#)

## Inherited Members

[FileContent<TLocation, TIdentifier>.FileZipContents](#) , [FileContent<TLocation, TIdentifier>.Clear\(\)](#) ,  
[FileContent<TLocation, TIdentifier>.FilePath](#) , [FileContent<TLocation, TIdentifier>.FullFilePath](#) ,  
[FileContent<TLocation, TIdentifier>.FileExtension](#) , [FileContent<TLocation, TIdentifier>.FileName](#) ,  
[FileContent<TLocation, TIdentifier>.FileNameWithoutExtension](#) ,  
[FileContent<TLocation, TIdentifier>.AsZipContent\(\)](#) ,  
[FileContent<TLocation, TIdentifier>.GetFileZipPaths\(\)](#) ,  
[FileContent<TLocation, TIdentifier>.SetFileZipPaths\(IEnumerable<string>\)](#) ,  
[ContentBase<TLocation, TIdentifier>.Type](#) , [ContentBase<TLocation, TIdentifier>.Location](#) ,  
[ContentBase<TLocation, TIdentifier>.Identifier](#) , [ContentBase<TLocation, TIdentifier>.PublicUrl](#) ,  
[ContentBase<TLocation, TIdentifier>.DateTimeIsReportDate](#) ,  
[ContentBase<TLocation, TIdentifier>.DateTime](#) , [ContentBase<TLocation, TIdentifier>.GetLocation\(\)](#) ,  
[ContentBase<TLocation, TIdentifier>.GetIdentifier\(\)](#) , [ContentBase<TLocation, TIdentifier>.Clear\(\)](#) ,  
[ContentBase<TLocation, TIdentifier>.ToSerializedForExtracted\(\)](#) ,  
[ContentBase<TLocation, TIdentifier>.ToCacheKey\(\)](#) , [ContentBase<TLocation, TIdentifier>.ToKey\(\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Constructors

### FileZipContent(FileContent<TLocation, TIdentifier>, string)

```
public FileZipContent(FileContent<TLocation, TIdentifier> content, string filePath)
```

#### Parameters

content [FileContent<TLocation, TIdentifier>](#)

filePath [string](#)

### FileZipContent(string, string, TLocation, TIdentifier, DateTime, bool, string)

```
[JsonConstructor]
public FileZipContent(string filePath, string fileZipPath, TLocation location, TIdentifier
identifier, DateTime dateTime, bool dateTimeIsReportDate, string publicUrl)
```

#### Parameters

filePath [string](#)

fileZipPath [string](#)

location [TLocation](#)

identifier [TIdentifier](#)

dateTime [DateTime](#)

dateTimeIsReportDate [bool](#)

publicUrl [string](#)

## Properties

### DateTime

```
public override DateTime DateTime { get; }
```

Property Value

[DateTime](#)

## DateTimeIsReportDate

```
public override bool DateTimeIsReportDate { get; }
```

Property Value

[bool](#)

## FileZipPath

```
public string FileZipPath { get; }
```

Property Value

[string](#)

## FullPath

```
public override string FullFilePath { get; }
```

Property Value

[string](#)

## Identifier

```
public override TIdentifier Identifier { get; }
```

Property Value

TIdentifier

## Location

```
public override TLocation Location { get; }
```

Property Value

TLocation

## PublicUrl

```
public override string PublicUrl { get; }
```

Property Value

[string](#)

## Methods

### GetContent()

```
public IFileContent GetContent()
```

Returns

[IFileContent](#)

# Class LoadInfoBase

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Load Info of a Connector loading contents, so that the next loading can be done additive.

```
public abstract class LoadInfoBase
```

## Inheritance

[object](#) ← LoadInfoBase

## Derived

[GitlabPipelineLoadInfo](#), [GitlabRepositoryLoadInfo](#), [JenkinsPipelineLoadInfo](#),

[JfrogArtifactoryArtifactsLoadInfo](#), [JiralIssueLoadInfo](#)

## Inherited Members

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

## Constructors

### LoadInfoBase()

```
protected LoadInfoBase()
```

## Properties

### Type

```
[YamlMember(Order = -2147483648, Alias = "$type")]
[JsonProperty(Required = Required.Always, Order = -2147483648, PropertyName = "$type")]
public string Type { get; set; }
```

### Property Value

[string ↗](#)

# Class PublicUrlWrapper

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class PublicUrlWrapper
```

## Inheritance

[object](#) ← PublicUrlWrapper

## Inherited Members

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

# Properties

## PublicUrl

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

## Property Value

[string](#)

# Class RelatedContentRequest

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class RelatedContentRequest
```

## Inheritance

[object](#) ← RelatedContentRequest

## Inherited Members

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

# Properties

## FileExtensions

```
public string[] FileExtensions { get; set; }
```

### Property Value

[string](#)[]

## Path

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

### Property Value

[string](#)

## Regex

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

Property Value

[string](#)

## RegexOptions

```
public RegexOptions RegexOptions { get; set; }
```

Property Value

[RegexOptions](#)

## Methods

### GetRegex()

```
public Regex GetRegex()
```

Returns

[Regex](#)

### Matches(IFileContent)

```
public bool Matches(IFileContent fileContent)
```

Parameters

fileContent [IFileContent](#)

Returns

[bool](#)

## Matches(string)

```
public bool Matches(string filePath)
```

### Parameters

[filePath](#) [string](#)

### Returns

[bool](#)

# Namespace MES.MQC.DataSourceLibrary.Models.Connectors.Interfaces

## Interfaces

[IContent](#)

[IContentIdentifier](#)

Identifier of a specific content (file or data), that represents a unique content when combined with the Location and FilePath.

[IDataContent](#)

[IDataLocationResult](#)

[IFileContent](#)

[IFileZipContent](#)

# Interface IContent

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IContent
```

## Properties

### DateTime

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

Property Value

[DateTime](#) ↗

### DateTimeIsReportDate

```
bool DateTimeIsReportDate { get; }
```

Property Value

[bool](#) ↗

### PublicUrl

```
string PublicUrl { get; }
```

Property Value

[string](#) ↗

# Methods

## Clear()

```
void Clear()
```

## GetIdentifier()

```
IContentIdentifier GetIdentifier()
```

Returns

[IContentIdentifier](#)

## GetLocation()

```
ContentLocationBase GetLocation()
```

Returns

[ContentLocationBase](#)

## ToCacheKey()

```
string ToCacheKey()
```

Returns

[string](#) ↗

## ToKey()

```
string ToKey()
```

Returns

[string](#)

## ToSerializedForExtracted()

```
string ToSerializedForExtracted()
```

Returns

[string](#)

# Interface IContentIdentifier

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Identifier of a specific content (file or data), that represents a unique content when combined with the Location and FilePath.

```
public interface IContentIdentifier
```

# Interface IDataContent

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IDataContent : IContent
```

## Inherited Members

[IContent.PublicUrl](#) , [IContent.DateTime](#) , [IContent.DateTimeIsReportDate](#) , [IContent.ToKey\(\)](#) ,  
[IContent.ToCacheKey\(\)](#) , [IContent.SerializeForExtracted\(\)](#) , [IContent.GetLocation\(\)](#) ,  
[IContent.GetIdentifier\(\)](#) , [IContent.Clear\(\)](#)

# Interface IDataLocationResult

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IDataLocationResult
```

## Methods

### GetContents()

```
IEnumerable<IContent> GetContents()
```

Returns

[IEnumerable](#) <[IContent](#)>

### GetLoadInfo()

```
LoadInfoBase GetLoadInfo()
```

Returns

[LoadInfoBase](#)

# Interface IFileContent

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IFileContent : IContent
```

## Inherited Members

[IContent.PublicUrl](#) , [IContent.DateTime](#) , [IContent.DateTimeIsReportDate](#) , [IContent.ToKey\(\)](#) ,  
[IContent.ToCacheKey\(\)](#) , [IContent.ToSerializedForExtracted\(\)](#) , [IContent.GetLocation\(\)](#) ,  
[IContent.GetIdentifier\(\)](#) , [IContent.Clear\(\)](#)

## Properties

### FileExtension

```
string FileExtension { get; }
```

#### Property Value

[string](#) ↗

### FileName

```
string FileName { get; }
```

#### Property Value

[string](#) ↗

### FileNameWithoutExtension

```
string FileNameWithoutExtension { get; }
```

Property Value

[string](#)

## FilePath

`string FilePath { get; set; }`

Property Value

[string](#)

## FileZipContents

`Dictionary<string, List<IFileZipContent>> FileZipContents { get; set; }`

Property Value

[Dictionary](#)<[string](#), [List](#)<[IFileZipContent](#)>>

## FullPath

`string FullFilePath { get; }`

Property Value

[string](#)

## Methods

### AsZipContent()

`IFileZipContent AsZipContent()`

Returns

[IFileZipContent](#)

## GetFileZipPaths()

`string[] GetFileZipPaths()`

Returns

`string[]`

## SetFileZipPaths(IEnumerable<string>)

`void SetFileZipPaths(IEnumerable<string> fileZipPaths)`

Parameters

`fileZipPaths` [IEnumerable<string>](#)

# Interface IFileZipContent

Namespace: [MES.MQC.DataSourceLibrary.Models.Connectors.Interfaces](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public interface IFileZipContent : IFileContent, IContent
```

## Inherited Members

[IFileContent.FilePath](#) , [IFileContent.FullFilePath](#) , [IFileContent.FileExtension](#) , [IFileContent.FileName](#) ,  
[IFileContent.FileNameWithoutExtension](#) , [IFileContent.FileZipContents](#) , [IFileContent.GetFileZipPaths\(\)](#) ,  
[IFileContent.SetFileZipPaths\(IEnumerable<string>\)](#) , [IFileContent.AsZipContent\(\)](#) , [IContent.PublicUrl](#) ,  
[IContent.DateTime](#) , [IContent.DateTimelsReportDate](#) , [IContent.ToKey\(\)](#) , [IContent.ToCacheKey\(\)](#) ,  
[IContent.ToSerializedForExtracted\(\)](#) , [IContent.GetLocation\(\)](#) , [IContent.GetIdentifier\(\)](#) , [IContent.Clear\(\)](#).

## Properties

### FileZipPath

```
string FileZipPath { get; }
```

#### Property Value

[string](#) ↗

## Methods

### GetContent()

```
IFileContent GetContent()
```

#### Returns

[IFileContent](#)

# Namespace MES.MQC.DataSourceLibrary.Models.Extraction

## Classes

[Extracted](#)

[ExtractedBase](#)

[ExtractedData](#)

[ExtractedExtBase](#)

[ExtractedFinding](#)

[ExtractedFindingVariant](#)

The AdapterFindingVariant class contains a variant for one finding item to be imported.

[ExtractedFindingVariantInner](#)

The AdapterFindingVariant class contains a variant for one finding item to be imported.

[ExtractedFindingVariantInnerDetail](#)

The AdapterFindingVariantInnerDetail class contains a variant for one finding variant inner to be imported.

[ExtractedMeasure](#)

[Imported](#)

# Class Extracted

Namespace: [MES.MQC.DataSourceLibrary.Models.Extraction](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Extracted : Imported, IDisposable
```

## Inheritance

[object](#) ← [Imported](#) ← Extracted

## Implements

[IDisposable](#)

## Inherited Members

[Imported.Data](#) , [Imported.Measures](#) , [Imported.Findings](#) , [Imported.Dispose\(\)](#) , [Imported.Add\(Imported\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

# Constructors

## Extracted()

```
public Extracted()
```

## Extracted(Imported)

```
public Extracted(Imported imported)
```

## Parameters

imported [Imported](#)

# Properties

# HumanReadableContentKeys

```
[JsonProperty("h")]
public HashSet<string> HumanReadableContentKeys { get; set; }
```

Property Value

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

## Methods

Add(Extracted)

```
public void Add(Extracted extracted)
```

Parameters

extracted [Extracted](#)

# Class ExtractedBase

Namespace: [MES.MQC.DataSourceLibrary.Models.Extraction](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ExtractedBase
```

## Inheritance

[object](#) ← ExtractedBase

## Derived

[ExtractedExtBase](#), [ExtractedFinding](#)

## Inherited Members

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

# Constructors

## ExtractedBase()

```
protected ExtractedBase()
```

## ExtractedBase(AdapterDataBase, DateTime?)

```
protected ExtractedBase(AdapterDataBase adapterData, DateTime? contentDateTime = null)
```

## Parameters

adapterData [AdapterDataBase](#)

contentDateTime [DateTime](#)?

# Properties

## ArtifactPath

```
[JsonProperty("d")]
public string ArtifactPath { get; set; }
```

### Property Value

[string](#) ↗

## ContentDateTime

```
[YamlIgnore]
[JsonProperty("c")]
public DateTime? ContentDateTime { get; set; }
```

### Property Value

[DateTime](#) ↗?

## ContentKey

```
[JsonProperty("y")]
public string ContentKey { get; set; }
```

### Property Value

[string](#) ↗

## DataSourceName

```
[JsonProperty("e")]
public string DataSourceName { get; set; }
```

Property Value

[string](#) ↗

## FilePath

```
[JsonProperty("z")]
public string FilePath { get; set; }
```

Property Value

[string](#) ↗

## ReportDateTime

```
[JsonProperty("b")]
public DateTime ReportDateTime { get; set; }
```

Property Value

[DateTime](#) ↗

## SerializedContent

```
[JsonProperty("a")]
public string SerializedContent { get; set; }
```

Property Value

[string](#) ↗

## Methods

### GetPublicUrl()

```
public string GetPublicUrl()
```

Returns

[string](#) ↗

## SetContent(IContent)

```
public void SetContent(IContent content)
```

Parameters

content [IContent](#)

# Class ExtractedData

Namespace: [MES.MQC.DataSourceLibrary.Models.Extraction](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ExtractedData : ExtractedExtBase
```

## Inheritance

[object](#) ← [ExtractedBase](#) ← [ExtractedExtBase](#) ← ExtractedData

## Inherited Members

[ExtractedExtBase.MeasurementName](#) , [ExtractedExtBase.MeasureName](#) , [ExtractedExtBase.VariableName](#) ,  
[ExtractedExtBase.HumanReadableFilePaths](#) , [ExtractedBase.ContentKey](#) ,  
[ExtractedBase.SerializedContent](#) , [ExtractedBase.FilePath](#) , [ExtractedBase.ReportDateTime](#) ,  
[ExtractedBase.ContentDateTime](#) , [ExtractedBase.ArtifactPath](#) , [ExtractedBase.DataSourceName](#) ,  
[ExtractedBase.SetContent\(IContent\)](#) , [ExtractedBase.GetPublicUrl\(\)](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Constructors

### ExtractedData()

```
public ExtractedData()
```

### ExtractedData(AdapterData, IEnumerable<string>, DateTime?)

```
public ExtractedData(AdapterData adapterData, IEnumerable<string> humanReadableFilePaths = null, DateTime? contentDateTime = null)
```

## Parameters

adapterData [AdapterData](#)

humanReadableFilePaths [IEnumerable](#)<[string](#)>

contentDateTime [DateTime](#)?

## Properties

### AdapterArtifactName

```
[JsonProperty("j")]
public string AdapterArtifactName { get; set; }
```

#### Property Value

[string](#)

### MeasureValue

```
[JsonProperty("k")]
public double? MeasureValue { get; set; }
```

#### Property Value

[double](#)?

### SerializedVariants

```
[JsonIgnore]
[YamlIgnore]
public string SerializedVariants { get; set; }
```

#### Property Value

[string](#)

## Variants

```
[YamlMember(Order = 999)]  
[JsonProperty("l", Order = 999)]  
public AdapterDataVariant[] Variants { get; set; }
```

Property Value

[AdapterDataVariant\[\]](#)

# Class ExtractedExtBase

Namespace: [MES.MQC.DataSourceLibrary.Models.Extraction](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public abstract class ExtractedExtBase : ExtractedBase
```

## Inheritance

[object](#) ← [ExtractedBase](#) ← ExtractedExtBase

## Derived

[ExtractedData](#), [ExtractedMeasure](#)

## Inherited Members

[ExtractedBase.ContentKey](#), [ExtractedBase.SerializedContent](#), [ExtractedBase.FilePath](#),  
[ExtractedBase.ReportDateTime](#), [ExtractedBase.ContentDateTime](#), [ExtractedBase.ArtifactPath](#),  
[ExtractedBase.DataSourceName](#), [ExtractedBase.SetContent\(IContent\)](#), [ExtractedBase.GetPublicUrl\(\)](#),  
[object.ToString\(\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),  
[object.MemberwiseClone\(\)](#)

## Constructors

### ExtractedExtBase()

```
protected ExtractedExtBase()
```

### ExtractedExtBase(AdapterDataExtBase, IEnumerable<string>, DateTime?)

```
protected ExtractedExtBase(AdapterDataExtBase adapterData, IEnumerable<string>  
humanReadableFilePaths = null, DateTime? contentDateTime = null)
```

## Parameters

adapterData [AdapterDataExtBase](#)

humanReadableFilePaths [IEnumerable](#)<[string](#)>

contentDateTime [DateTime](#)?

## Properties

### HumanReadableFilePaths

```
[JsonProperty("i")]
public string HumanReadableFilePaths { get; set; }
```

Property Value

[string](#)

### MeasureName

```
[JsonProperty("g")]
public string MeasureName { get; set; }
```

Property Value

[string](#)

### MeasurementName

```
[JsonProperty("f")]
public string MeasurementName { get; set; }
```

Property Value

[string](#)

## VariableName

```
[JsonProperty("h")]
public string VariableName { get; set; }
```

Property Value

[string](#) ↗

# Class ExtractedFinding

Namespace: [MES.MQC.DataSourceLibrary.Models.Extraction](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ExtractedFinding : ExtractedBase
```

## Inheritance

[object](#) ← [ExtractedBase](#) ← ExtractedFinding

## Inherited Members

[ExtractedBase.ContentKey](#) , [ExtractedBase.SerializedContent](#) , [ExtractedBase.FilePath](#) ,  
[ExtractedBase.ReportDateTime](#) , [ExtractedBase.ContentDateTime](#) , [ExtractedBase.ArtifactPath](#) ,  
[ExtractedBase.DataSourceName](#) , [ExtractedBase.SetContent\(IContent\)](#) , [ExtractedBase.GetPublicUrl\(\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Constructors

### ExtractedFinding()

```
public ExtractedFinding()
```

### ExtractedFinding(AdapterFinding, string, DateTime?)

```
public ExtractedFinding(AdapterFinding adapterFinding, string humanReadableFilePath = null,  
DateTime? contentDateTime = null)
```

## Parameters

adapterFinding [AdapterFinding](#)

humanReadableFilePath [string](#)

contentDateTime [DateTime](#)?

# Properties

## AggregateData

```
[JsonProperty("k")]
public bool AggregateData { get; set; }
```

### Property Value

[bool](#) ↗

## Measure

```
[JsonProperty("g")]
public string Measure { get; set; }
```

### Property Value

[string](#) ↗

## SerializedVariants

```
[JsonIgnore]
[YamlIgnore]
public string SerializedVariants { get; set; }
```

### Property Value

[string](#) ↗

## SubjectType

```
[JsonProperty("f")]
public string SubjectType { get; set; }
```

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

Property Value

[string](#) ↗

## ValidUntil

```
[JsonProperty("v")]
public DateTime? ValidUntil { get; set; }
```

Property Value

[DateTime](#) ↗?

## Variants

```
[YamlMember(Order = 999)]
[JsonProperty("h", Order = 999)]
public ExtractedFindingVariant[] Variants { get; set; }
```

Property Value

[ExtractedFindingVariant](#)[]

# Class ExtractedFindingVariant

Namespace: [MES.MQC.DataSourceLibrary.Models.Extraction](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterFindingVariant class contains a variant for one finding item to be imported.

```
public class ExtractedFindingVariant
```

## Inheritance

[object](#) ← ExtractedFindingVariant

## Inherited Members

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

## Constructors

### ExtractedFindingVariant()

```
public ExtractedFindingVariant()
```

### ExtractedFindingVariant(AdapterFindingVariant, string, bool, bool, string)

```
public ExtractedFindingVariant(AdapterFindingVariant adapterFindingVariant, string  
dataSourceName, bool descriptionAsHtml, bool issueMessageAsHtml, bool humanReadableDisabled,  
string humanReadableFilePath)
```

## Parameters

adapterFindingVariant [AdapterFindingVariant](#)

dataSourceName [string](#)

`descriptionAsHtml` [bool](#)

`issueMessageAsHtml` [bool](#)

`humanReadableDisabled` [bool](#)

`humanReadableFilePath` [string](#)

## Properties

### InnerVariants

```
[YamlMember(Order = 999)]
[JsonProperty("c", Order = 999)]
public ExtractedFindingVariantInner[] InnerVariants { get; set; }
```

### Property Value

[ExtractedFindingVariantInner\[\]](#)

### MeasureStructures

```
[JsonProperty("b")]
public string MeasureStructures { get; set; }
```

### Property Value

[string](#)

### State

```
[JsonProperty("a")]
public string State { get; set; }
```

### Property Value

[string ↗](#)

# Class ExtractedFindingVariantInner

Namespace: [MES.MQC.DataSourceLibrary.Models.Extraction](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterFindingVariant class contains a variant for one finding item to be imported.

```
public class ExtractedFindingVariantInner
```

## Inheritance

[object](#) ← ExtractedFindingVariantInner

## Inherited Members

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

## Constructors

### ExtractedFindingVariantInner()

```
public ExtractedFindingVariantInner()
```

### ExtractedFindingVariantInner(AdapterFindingVariantInner, bool, bool, bool, string)

```
public ExtractedFindingVariantInner(AdapterFindingVariantInner adapterInner,  
bool descriptionAsHtml, bool issueMessageAsHtml, bool humanReadableDisabled,  
string humanReadableFilePath)
```

## Parameters

adapterInner [AdapterFindingVariantInner](#)

descriptionAsHtml [bool](#)

`issueMessageAsHtml` [bool](#)

`humanReadableDisabled` [bool](#)

`humanReadableFilePath` [string](#)

## Properties

### DetailVariants

```
[YamlMember(Order = 999)]
[JsonProperty("g", Order = 999)]
public ExtractedFindingVariantInnerDetail[] DetailVariants { get; set; }
```

### Property Value

[ExtractedFindingVariantInnerDetail\[\]](#)

### HumanReadableAnchor

```
[JsonProperty("f")]
public string HumanReadableAnchor { get; set; }
```

### Property Value

[string](#)

### HumanReadableFilePath

```
[JsonProperty("e")]
public string HumanReadableFilePath { get; set; }
```

### Property Value

[string](#)

## Relations

```
[JsonProperty("d")]
public string Relations { get; set; }
```

Property Value

[string](#)

## SubjectName

```
[JsonProperty("a")]
public string SubjectName { get; set; }
```

Property Value

[string](#)

## SubjectPath

```
[JsonProperty("b")]
public string SubjectPath { get; set; }
```

Property Value

[string](#)

## SubjectPathForArtifact

```
[JsonProperty("c")]
public string SubjectPathForArtifact { get; set; }
```

Property Value

[string](#)



# Class ExtractedFindingVariantInnerDetail

Namespace: [MES.MQC.DataSourceLibrary.Models.Extraction](#)

Assembly: MES.MQC.DataSourceLibrary.dll

The AdapterFindingVariantInnerDetail class contains a variant for one finding variant inner to be imported.

```
public class ExtractedFindingVariantInnerDetail
```

## Inheritance

[object](#) ← ExtractedFindingVariantInnerDetail

## Inherited Members

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

## Constructors

### ExtractedFindingVariantInnerDetail()

```
public ExtractedFindingVariantInnerDetail()
```

### ExtractedFindingVariantInnerDetail(AdapterFindingVariantInnerDetail, bool, bool)

```
public ExtractedFindingVariantInnerDetail(AdapterFindingVariantInnerDetail  
adapterInnerDetail, bool descriptionAsHtml, bool issueMessageAsHtml)
```

## Parameters

adapterInnerDetail [AdapterFindingVariantInnerDetail](#)

descriptionAsHtml [bool](#)

`issueMessageAsHtml` [bool](#)

## Properties

### ArtifactInnerPath

```
[JsonProperty("a")]
public string ArtifactInnerPath { get; set; }
```

#### Property Value

[string](#)

### Deadline

```
[JsonProperty("d")]
public DateTime? Deadline { get; set; }
```

#### Property Value

[DateTime](#)?

### Description

```
[JsonProperty("b")]
public string Description { get; set; }
```

#### Property Value

[string](#)

### Identifier

```
[JsonProperty("g")]
public string Identifier { get; set; }
```

Property Value

[string](#)

## IssueMessage

```
[JsonProperty("c")]
public string IssueMessage { get; set; }
```

Property Value

[string](#)

## Location

```
[JsonProperty("e")]
public string Location { get; set; }
```

Property Value

[string](#)

## Metadata

```
[JsonProperty("f")]
public string Metadata { get; set; }
```

Property Value

[string](#)

## Methods

GetIdentifier(ExtractedFinding, ExtractedFindingVariant,  
ExtractedFindingVariantInner)

```
public string GetIdentifier(ExtractedFinding finding, ExtractedFindingVariant variant,  
ExtractedFindingVariantInner inner)
```

Parameters

finding [ExtractedFinding](#)

variant [ExtractedFindingVariant](#)

inner [ExtractedFindingVariantInner](#)

Returns

[string](#) ↗

# Class ExtractedMeasure

Namespace: [MES.MQC.DataSourceLibrary.Models.Extraction](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ExtractedMeasure : ExtractedExtBase
```

## Inheritance

[object](#) ← [ExtractedBase](#) ← [ExtractedExtBase](#) ← ExtractedMeasure

## Inherited Members

[ExtractedExtBase.MeasurementName](#) , [ExtractedExtBase.MeasureName](#) , [ExtractedExtBase.VariableName](#) ,  
[ExtractedExtBase.HumanReadableFilePaths](#) , [ExtractedBase.ContentKey](#) ,  
[ExtractedBase.SerializedContent](#) , [ExtractedBase.FilePath](#) , [ExtractedBase.ReportDateTime](#) ,  
[ExtractedBase.ContentDateTime](#) , [ExtractedBase.ArtifactPath](#) , [ExtractedBase.DataSourceName](#) ,  
[ExtractedBase.SetContent\(IContent\)](#) , [ExtractedBase.GetPublicUrl\(\)](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Constructors

### ExtractedMeasure()

```
public ExtractedMeasure()
```

### ExtractedMeasure(AdapterMeasure, IEnumerable<string>, DateTime?)

```
public ExtractedMeasure(AdapterMeasure adapterMeasure, IEnumerable<string>  
humanReadableFilePaths = null, DateTime? contentDateTime = null)
```

## Parameters

adapterMeasure [AdapterMeasure](#)

humanReadableFilePaths [IEnumerable](#)<[string](#)>

contentDateTime [DateTime](#)?

## ExtractedMeasure(ExtractedData)

```
public ExtractedMeasure(ExtractedData extractedData)
```

### Parameters

extractedData [ExtractedData](#)

## Properties

### SerializedVariants

```
[JsonIgnore]  
[YamlIgnore]  
public string SerializedVariants { get; set; }
```

### Property Value

[string](#)

### Variants

```
[YamlMember(Order = 9999)]  
[JsonProperty("j", Order = 9999)]  
public AdapterMeasureVariant[] Variants { get; set; }
```

### Property Value

[AdapterMeasureVariant](#)[]

# Class Imported

Namespace: [MES.MQC.DataSourceLibrary.Models.Extraction](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class Imported : IDisposable
```

Inheritance

[object](#) ← Imported

Implements

[IDisposable](#)

Derived

[Extracted](#)

Inherited Members

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

## Properties

Data

```
[JsonProperty("d")]
public List<ExtractedData> Data { get; set; }
```

Property Value

[List](#) <[ExtractedData](#)>

## Findings

```
[JsonProperty("f")]
public List<ExtractedFinding> Findings { get; set; }
```

## Property Value

[List](#) <ExtractedFinding>

## Measures

```
[JsonProperty("m")]
public List<ExtractedMeasure> Measures { get; set; }
```

## Property Value

[List](#) <ExtractedMeasure>

## Methods

### Add(Imported)

```
public void Add(Imported imported)
```

#### Parameters

imported [Imported](#)

### Dispose()

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

```
public void Dispose()
```

# Namespace MES.MQC.DataSourceLibrary.Models.Extraction.State

## Classes

[DataFile](#)

# Class DataFile

Namespace: [MES.MQC.DataSourceLibrary.Models.Extraction.State](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class DataFile
```

## Inheritance

[object](#) ← DataFile

## Inherited Members

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

# Properties

## FilePath

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

### Property Value

[string](#)

## FileSize

```
public long FileSize { get; set; }
```

### Property Value

[long](#)

## ModifiedDateTime

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

## Property Value

[DateTime](#)

## Methods

### Create(string)

```
public static DataFile Create(string filePath)
```

#### Parameters

[filePath](#) [string](#)

#### Returns

[DataFile](#)

### Equals(object)

Determines whether the specified object is equal to the current object.

```
public override bool Equals(object obj)
```

#### Parameters

[obj](#) [object](#)

The object to compare with the current object.

#### Returns

[bool](#)

[true](#) if the specified object is equal to the current object; otherwise, [false](#).

## GetHashCode()

Serves as the default hash function.

```
public override int GetHashCode()
```

Returns

[int](#)

A hash code for the current object.

# Namespace MES.MQC.DataSourceLibrary.Models.Locations

## Classes

[DataLocation](#)

[DataLocationResult](#)

# Class DataLocation

Namespace: [MES.MQC.DataSourceLibrary.Models.Locations](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class DataLocation
```

## Inheritance

[object](#) ← DataLocation

## Inherited Members

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

# Properties

## Form

```
public DataLocationFormBase Form { get; set; }
```

## Property Value

[DataLocationFormBase](#)

## NotAvailable

```
public bool NotAvailable { get; set; }
```

## Property Value

[bool](#)

# Methods

## Equals(object)

Determines whether the specified object is equal to the current object.

```
public override bool Equals(object other)
```

Parameters

**other** [object](#)

Returns

[bool](#)

[true](#) if the specified object is equal to the current object; otherwise, [false](#).

## GetHash()

```
public string GetHash()
```

Returns

[string](#)

## GetHashCode()

Serves as the default hash function.

```
public override int GetHashCode()
```

Returns

[int](#)

A hash code for the current object.

# Class DataLocationResult

Namespace: [MES.MQC.DataSourceLibrary.Models.Locations](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class DataLocationResult
```

## Inheritance

[object](#) ← DataLocationResult

## Inherited Members

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

## Properties

### Extracted

```
public Extracted Extracted { get; }
```

#### Property Value

[Extracted](#)

### ImportedContentKeys

```
public HashSet<string> ImportedContentKeys { get; }
```

#### Property Value

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

### MessageBag

```
public MessageBag MessageBag { get; }
```

Property Value

[MessageBag](#)

## Results

```
public Dictionary<string, IDataLocationResult> Results { get; }
```

Property Value

[Dictionary](#)<[string](#), [IDataLocationResult](#)>

# Namespace MES.MQC.DataSourceLibrary.Models.Locations.Forms

## Classes

### [ApiDataLocationFormBase](#)

ApiConnectorConfiguration to be implemented as a nested subclass of a MQC API Connector.  
Provides configuration of a API DataSource. Rendered with DynamicForm based on the Form-Attributes of the class and properties.

### [DataLocationFormBase](#)

Base for Data Location Forms.

# Class ApiDataLocationFormBase

Namespace: [MES.MQC.DataSourceLibrary.Models.Locations.Forms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

ApiConnectorConfiguration to be implemented as a nested subclass of a MQC API Connector. Provides configuration of a API DataSource. Rendered with DynamicForm based on the Form-Attributes of the class and properties.

```
public abstract class ApiDataLocationFormBase : DataLocationFormBase
```

## Inheritance

[object](#) ← [Form](#) ← [DataLocationFormBase](#) ← [ApiDataLocationFormBase](#)

## Derived

[GitlabDataLocationFormBase](#), [JenkinsPipelineDataLocationForm](#),  
[JfrogArtifactoryArtifactsDataLocationForm](#), [JiralssueDataLocationForm](#)

## Inherited Members

[DataLocationFormBase.GetHash\(ConnectorSettings, IDataLocationConnector\)](#) ,  
[DataLocationFormBase.CreateHashSource\(ConnectorSettings\)](#) , [Form.Type](#) , [Form.FormSchema](#) ,  
[Form.FormHash](#) , [Form.Errors](#) , [Form.AddFieldError\(string, string, string\)](#) ,  
[Form.AddError\(string, string, string\)](#) , [Form.RemoveError\(string\)](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Properties

## ClientCertificate

```
[JsonProperty(Required = Required.Always, Order = 3)]  
[Augmentation(typeof(VisibleAugmenter), new string[] { "Visible=ClientCertificateEnabled"  
}, AssistanceExecution.Always)]  
[Validation(typeof(ClientCertificateValidator), new string[] {  
    "ClientCertificate=ClientCertificate" }, AssistanceExecution.Always)]  
public ClientCertificate ClientCertificate { get; set; }
```

## Property Value

## [ClientCertificate](#)

### ClientCertificateEnabled

```
[JsonProperty(Required = Required.Default, Order = 2)]  
public bool ClientCertificateEnabled { get; set; }
```

#### Property Value

[bool](#) ↗

### Url

```
[JsonProperty(Required = Required.Always, Order = 1)]  
public string Url { get; set; }
```

#### Property Value

[string](#) ↗

# Class DataLocationFormBase

Namespace: [MES.MQC.DataSourceLibrary.Models.Locations.Forms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

Base for Data Location Forms.

```
public abstract class DataLocationFormBase : Form
```

Inheritance

[object](#) ← [Form](#) ← DataLocationFormBase

Derived

[ApiDataLocationFormBase](#)

Inherited Members

[Form.Type](#) , [Form.FormSchema](#) , [Form.FormHash](#) , [Form.Errors](#) , [Form.AddFieldError\(string, string, string\)](#) ,  
[Form.AddError\(string, string, string\)](#) , [Form.RemoveError\(string\)](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Methods

### CreateHashSource(ConnectorSettings)

```
protected virtual string CreateHashSource(ConnectorSettings connectorSettings)
```

Parameters

connectorSettings [ConnectorSettings](#)

Returns

[string](#)

### GetHash(ConnectorSettings, IDataLocationConnector)

```
public string GetHash(ConnectorSettings connectorSettings, IDataLocationConnector connector)
```

## Parameters

connectorSettings [ConnectorSettings](#)

connector [IDataLocationConnector](#)

## Returns

[string](#) ↗

# Namespace MES.MQC.DataSourceLibrary. Models.Locations.Forms.SubForms

## Classes

[ClientCertificate](#)

ClientCertificate for a ApiConnectorConfiguration

[DateFilter](#)

# Class ClientCertificate

Namespace: [MES.MQC.DataSourceLibrary.Models.Locations.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

ClientCertificate for a ApiConnectorConfiguration

```
public class ClientCertificate
```

Inheritance

[object](#) ← ClientCertificate

Inherited Members

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

## Properties

FilePath

```
[JsonProperty(Required = Required.Always)]  
public string FilePath { get; set; }
```

Property Value

[string](#)

Password

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

Property Value

[string](#)

# Class DateFilter

Namespace: [MES.MQC.DataSourceLibrary.Models.Locations.Forms.SubForms](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class DateFilter
```

## Inheritance

[object](#) ← DateFilter

## Inherited Members

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

# Properties

## Date

```
[Augmentation(typeof(NotVisibleAugmenter), new string[] { "NotVisible=UseProjectDate" }, AssistanceExecution.Always)]  
public DateTime? Date { get; set; }
```

## Property Value

[DateTime](#)?

## UseProjectDate

```
public bool UseProjectDate { get; set; }
```

## Property Value

[bool](#)

# Namespace MES.MQC.DataSourceLibrary. Models.Locations.FormsValidators

## Classes

[ClientCertificateValidator](#)

# Class ClientCertificateValidator

Namespace: [MES.MQC.DataSourceLibrary.Models.Locations.Forms.Validators](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ClientCertificateValidator : FormFieldValidator<ApiConnector,  
SubFormAttribute>, IFormFieldAssistant
```

## Inheritance

[object](#) ← [FormFieldAssistantBase<ApiConnector>](#) ←  
[FormFieldValidator<ApiConnector, SubFormAttribute>](#) ← ClientCertificateValidator

## Implements

[IFormFieldAssistant](#)

## Inherited Members

[FormFieldValidator<ApiConnector, SubFormAttribute>.Validate\(IFieldAttribute\)](#) ,  
[FormFieldValidator<ApiConnector, SubFormAttribute>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldValidator<ApiConnector, SubFormAttribute>.Validate\(SubFormAttribute\)](#) ,  
[FormFieldAssistantBase<ApiConnector>.Adapter](#) , [FormFieldAssistantBase<ApiConnector>.FieldPath](#) ,  
[FormFieldAssistantBase<ApiConnector>.Context](#) ,  
[FormFieldAssistantBase<ApiConnector>.ExecutionEnvironment](#) ,  
[FormFieldAssistantBase<ApiConnector>.Assistance](#) , [FormFieldAssistantBase<ApiConnector>.Identifier](#) ,  
[FormFieldAssistantBase<ApiConnector>.CacheKey](#) ,  
[FormFieldAssistantBase<ApiConnector>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<ApiConnector>.AddFieldError\(string\)](#) ,  
[FormFieldAssistantBase<ApiConnector>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<ApiConnector>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### ClientCertificate

```
public ClientCertificate ClientCertificate { get; set; }
```

Property Value

[ClientCertificate](#)

## Methods

Validate(SubFormAttribute)

```
public override bool Validate(SubFormAttribute fieldConfig)
```

Parameters

**fieldConfig** [SubFormAttribute](#)

Returns

[bool](#) ↗

# Namespace MES.MQC.DataSourceLibrary.Models.Settings

## Classes

[ConnectorSettings](#)

[ImportSettings](#)

# Class ConnectorSettings

Namespace: [MES.MQC.DataSourceLibrary.Models.Settings](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ConnectorSettings
```

## Inheritance

[object](#) ← ConnectorSettings

## Inherited Members

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

## Constructors

### ConnectorSettings(ImportSettings, string[])

```
public ConnectorSettings(ImportSettings importSettings, string[] fileExtensions)
```

#### Parameters

importSettings [ImportSettings](#)

fileExtensions [string](#)[]

### ConnectorSettings(string[])

```
public ConnectorSettings(string[] fileExtensions)
```

#### Parameters

fileExtensions [string](#)[]

# Properties

## FileExtensions

File Extensions that the enabled file readers can import.

```
public string[] FileExtensions { get; }
```

### Property Value

[string](#)[]

## ProjectEndDate

Configured end date of the project. Can be used to filter out data / files.

```
public DateTime? ProjectEndDate { get; }
```

### Property Value

[DateTime](#)?

## ProjectStartDate

Configured start date of the project. Can be used to filter out data / files.

```
public DateTime? ProjectStartDate { get; }
```

### Property Value

[DateTime](#)?

## RevisionGranularity

Configured revision granularity of the project. Can be used to create full data sets for each granularity.

```
public RevisionGranularity? RevisionGranularity { get; }
```

Property Value

RevisionGranularity?

# Class ImportSettings

Namespace: [MES.MQC.DataSourceLibrary.Models.Settings](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public class ImportSettings
```

## Inheritance

[object](#) ← ImportSettings

## Inherited Members

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

# Properties

## DataDetailSerializedContents

Should findings be imported?

```
public string[] DataDetailSerializedContents { get; }
```

## Property Value

[string](#)[]

## DataDetails

Should findings be imported?

```
public DataDetails DataDetails { get; }
```

## Property Value

DataDetails

## FileImportPatterns

File Import Patterns that define if files should not be imported, not cached or only the last file should be imported.

```
public FileImportPattern[] FileImportPatterns { get; }
```

Property Value

FileImportPattern[]

## ProjectEndDate

Configured end date of the project. Can be used to filter out data / files.

```
public DateTime? ProjectEndDate { get; }
```

Property Value

[DateTime](#)?

## ProjectStartDate

Configured start date of the project. Can be used to filter out data / files.

```
public DateTime? ProjectStartDate { get; }
```

Property Value

[DateTime](#)?

## RevisionGranularity

Configured revision granularity of the project. Can be used to create full data sets for each granularity.

```
public RevisionGranularity? RevisionGranularity { get; }
```

Property Value

RevisionGranularity?

# Namespace MES.MQC.DataSourceLibrary. Utilities

## Classes

[DateUtility](#)

# Class DateUtility

Namespace: [MES.MQC.DataSourceLibrary.Utilities](#)

Assembly: MES.MQC.DataSourceLibrary.dll

```
public static class DateUtility
```

## Inheritance

[object](#) ← DateUtility

## Inherited Members

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

## Methods

### GetDateFromUnixTime(long?, long)

```
public static DateTime GetDateFromUnixTime(long? timeStamps, long defaultTime = 0)
```

#### Parameters

timeStamps [long](#)?

defaultTime [long](#)

#### Returns

[DateTime](#)

### GetUnixTimeFromDate(DateTime?)

```
public static long? GetUnixTimeFromDate(DateTime? date)
```

Parameters

**date** [DateTime](#)?

Returns

[long](#)?

# Namespace MES.MQC.ExportLibrary.Adapters

## Classes

### [ExportConnector](#)

The Export Connector class is the base for all MQC Export Connectors

# Class ExportConnector

Namespace: [MES.MQC.ExportLibrary.Adapters](#)

Assembly: MES.MQC.ExportLibrary.dll

The Export Connector class is the base for all MQC Export Connectors

```
public abstract class ExportConnector : AdapterBase, IFormAdapter
```

Inheritance

[object](#) ← [AdapterBase](#) ← ExportConnector

Implements

[IFormAdapter](#)

Derived

[QualityFileExportConnector](#)

Inherited Members

[AdapterBase.Name](#) , [AdapterBase.Description](#) , [AdapterBase.Options](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Namespace MES.MQC.ExportLibrary.Adapters. Export

## Classes

[QualityFileExportConnector](#)

# Class QualityFileExportConnector

Namespace: [MES.MQC.ExportLibrary.Adapters.Export](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class QualityFileExportConnector : ExportConnector,
IExportConnectorWithDownload<QualityFileSourceExportForm, QualityFileDestinationExportForm,
QualityFileExportInfo>, IExportConnectorWithDownload,
IExportConnector<QualityFileSourceExportForm, QualityFileDestinationExportForm,
QualityFileExportInfo>, IExportConnector, IFormAdapter
```

## Inheritance

[object](#) ← [AdapterBase](#) ← [ExportConnector](#) ← [QualityFileExportConnector](#)

## Implements

[IExportConnectorWithDownload<QualityFileSourceExportForm, QualityFileDestinationExportForm,
QualityFileExportInfo>](#),  
[IExportConnectorWithDownload](#),  
[IExportConnector<QualityFileSourceExportForm, QualityFileDestinationExportForm, QualityFileExport
Info>](#),  
[IExportConnector](#), [IFormAdapter](#)

## Inherited Members

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

# Properties

## Description

Description of the Adapter that is visible in the Adapter Dialog as a popover. If the adapter is an API Connector, the description is also shown in the Add/Edit DataSource dialog, when the API Connector is selected. Absolute links get transformed into HTML Link Tags, line breaks (n) get transformed into HTML line breaks (<br>), HTML tags are not allowed.

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

## Property Value

[string](#) ↗

## Name

Unique Name of the Adapter. Defaults to the ClassName (without Adapter / FileReader / ApiConnector / Connector suffix), can be overridden with a user defined Name.

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

## Property Value

[string](#) ↗

## Version

```
public Version Version { get; }
```

## Property Value

[Version](#) ↗

## Methods

Download(ExportConnectorContext<QualityFileSourceExportForm, QualityFileDestinationExportForm, QualityFileExportInfo>, out string)

```
public Stream Download(ExportConnectorContext<QualityFileSourceExportForm,  
QualityFileDestinationExportForm, QualityFileExportInfo> context, out string fileName)
```

## Parameters

`context ExportConnectorContext<QualityFileSourceExportForm, QualityFileDestinationExportForm,  
QualityFileExportInfo>`

`fileName string`

Returns

`Stream`

`Export(ExportConnectorContext<QualityFileSourceExportForm,  
QualityFileDestinationExportForm, QualityFileExportInfo>)`

`public QualityFileExportInfo Export(ExportConnectorContext<QualityFileSourceExportForm,  
QualityFileDestinationExportForm, QualityFileExportInfo> context)`

Parameters

`context ExportConnectorContext<QualityFileSourceExportForm, QualityFileDestinationExportForm,  
QualityFileExportInfo>`

Returns

`QualityFileExportInfo`

# Namespace MES.MQC.ExportLibrary.Adapters. Export.Contents

## Classes

[QualityFileExportInfo](#)

# Class QualityFileExportInfo

Namespace: [MES.MQC.ExportLibrary.Adapters.Export.Contents](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class QualityFileExportInfo : ExportInfoBase
```

## Inheritance

[object](#) ← [ExportInfoBase](#) ← QualityFileExportInfo

## Inherited Members

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

# Properties

## FilePaths

```
public HashSet<string> FilePaths { get; set; }
```

## Property Value

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

## SealedRevisions

```
public HashSet<string> SealedRevisions { get; set; }
```

## Property Value

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

# Namespace MES.MQC.ExportLibrary.Adapters.Export.Forms

## Classes

[QualityFileDestinationExportForm](#)

[QualityFileSourceExportForm](#)

## Enums

[Format](#)

[Output](#)

# Enum Format

Namespace: [MES.MQC.ExportLibrary.Adapters.Export.Forms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] { Format.Json })]  
public enum Format
```

## Fields

Json = 0

Yaml = 1

# Enum Output

Namespace: [MES.MQC.ExportLibrary.Adapters.Export.Forms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] { Output.Flat })]  
public enum Output
```

## Fields

Flat = 0

Hierarchical = 1

# Class QualityFileDestinationExportForm

Namespace: [MES.MQC.ExportLibrary.Adapters.Export.Forms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class QualityFileDestinationExportForm
```

## Inheritance

[object](#) ← QualityFileDestinationExportForm

## Inherited Members

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

# Properties

## DirectoryPath

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

### Property Value

[string](#)

## FileName

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

### Property Value

[string](#)

## Format

```
public Format Format { get; set; }
```

Property Value

[Format](#)

## Output

```
public Output Output { get; set; }
```

Property Value

[Output](#)

# Class QualityFileSourceExportForm

Namespace: [MES.MQC.ExportLibrary.Adapters.Export.Forms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class QualityFileSourceExportForm
```

## Inheritance

[object](#) ← QualityFileSourceExportForm

## Inherited Members

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

# Properties

## ArtifactStructure

```
[Augmentation(typeof(ArtifactStructureAugmenter), null, AssistanceExecution.Always)]  
public string ArtifactStructure { get; set; }
```

## Property Value

[string](#)

## Diff

```
public Diff Diff { get; set; }
```

## Property Value

[Diff](#)

## FilterDateFrom

```
public DateFromFilter FilterDateFrom { get; set; }
```

Property Value

[DateFromFilter](#)

## FilterDateTo

```
public DateToFilter FilterDateTo { get; set; }
```

Property Value

[DateToFilter](#)

## MilestoneSets

```
[Augmentation(typeof(MilestoneSetAugmenter), null, AssistanceExecution.Always)]
public string[] MilestoneSets { get; set; }
```

Property Value

[string](#)[]

## QualityAssessmentScope

```
public QualityAssessmentScope QualityAssessmentScope { get; set; }
```

Property Value

QualityAssessmentScope

## QualityStructure

```
[Augmentation(typeof(QualityStructureAugmenter), null, AssistanceExecution.Always)]  
public string QualityStructure { get; set; }
```

Property Value

[string](#) ↗

## Rounding

```
public Rounding Rounding { get; set; }
```

Property Value

[Rounding](#)

# Namespace MES.MQC.ExportLibrary.Adapters. Export.Forms.Augmenters

## Classes

[ArtifactStructureAugmenter](#)

[DiffBaseAugmenter](#)

[MilestoneSetAugmenter](#)

[QualityStructureAugmenter](#)

# Class ArtifactStructureAugmenter

Namespace: [MES.MQC.ExportLibrary.Adapters.Export.Forms.Augmenters](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class ArtifactStructureAugmenter : AugmenterBase<QualityFileExportConnector,  
TreeSelectAttribute>, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<QualityFileExportConnector> ←  
FormFieldAugmenter<QualityFileExportConnector, TreeSelectAttribute> ←  
AugmenterBase<QualityFileExportConnector, TreeSelectAttribute> ← ArtifactStructureAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
AugmenterBase<QualityFileExportConnector, TreeSelectAttribute>.ExportContext ,  
FormFieldAugmenter<QualityFileExportConnector, TreeSelectAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<QualityFileExportConnector,  
TreeSelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<QualityFileExportConnector, TreeSelectAttribute>.Configure(TreeSelectAttribute) ,  
FormFieldAssistantBase<QualityFileExportConnector>.Adapter ,  
FormFieldAssistantBase<QualityFileExportConnector>.FieldPath ,  
FormFieldAssistantBase<QualityFileExportConnector>.Context ,  
FormFieldAssistantBase<QualityFileExportConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<QualityFileExportConnector>.Assistance ,  
FormFieldAssistantBase<QualityFileExportConnector>.Identifier ,  
FormFieldAssistantBase<QualityFileExportConnector>.CacheKey ,  
FormFieldAssistantBase<QualityFileExportConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<QualityFileExportConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<QualityFileExportConnector>.AddError(string, string) ,  
FormFieldAssistantBase<QualityFileExportConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

## Methods

## Configure(TreeSelectAttribute)

```
public override void Configure(TreeSelectAttribute fieldConfig)
```

### Parameters

**fieldConfig** [TreeSelectAttribute](#)

# Class DiffBaseAugmenter

Namespace: [MES.MQC.ExportLibrary.Adapters.Export.Forms.Augmenters](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class DiffBaseAugmenter : AugmenterBase<QualityFileExportConnector,  
SelectAttribute>, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<QualityFileExportConnector> ←  
FormFieldAugmenter<QualityFileExportConnector, SelectAttribute> ←  
AugmenterBase<QualityFileExportConnector, SelectAttribute> ← DiffBaseAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
AugmenterBase<QualityFileExportConnector, SelectAttribute>.ExportContext ,  
FormFieldAugmenter<QualityFileExportConnector, SelectAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<QualityFileExportConnector,  
SelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<QualityFileExportConnector, SelectAttribute>.Configure(SelectAttribute) ,  
FormFieldAssistantBase<QualityFileExportConnector>.Adapter ,  
FormFieldAssistantBase<QualityFileExportConnector>.FolderPath ,  
FormFieldAssistantBase<QualityFileExportConnector>.Context ,  
FormFieldAssistantBase<QualityFileExportConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<QualityFileExportConnector>.Assistance ,  
FormFieldAssistantBase<QualityFileExportConnector>.Identifier ,  
FormFieldAssistantBase<QualityFileExportConnector>.CacheKey ,  
FormFieldAssistantBase<QualityFileExportConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<QualityFileExportConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<QualityFileExportConnector>.AddError(string, string) ,  
FormFieldAssistantBase<QualityFileExportConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

## Methods

## Configure(SelectAttribute)

```
public override void Configure(SelectAttribute fieldConfig)
```

### Parameters

**fieldConfig** [SelectAttribute](#)

# Class MilestoneSetAugmenter

Namespace: [MES.MQC.ExportLibrary.Adapters.Export.Forms.Augmenters](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class MilestoneSetAugmenter : AugmenterBase<QualityFileExportConnector,  
TreeSelectAttribute>, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<QualityFileExportConnector> ←  
FormFieldAugmenter<QualityFileExportConnector, TreeSelectAttribute> ←  
AugmenterBase<QualityFileExportConnector, TreeSelectAttribute> ← MilestoneSetAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
AugmenterBase<QualityFileExportConnector, TreeSelectAttribute>.ExportContext ,  
FormFieldAugmenter<QualityFileExportConnector, TreeSelectAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<QualityFileExportConnector,  
TreeSelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<QualityFileExportConnector, TreeSelectAttribute>.Configure(TreeSelectAttribute) ,  
FormFieldAssistantBase<QualityFileExportConnector>.Adapter ,  
FormFieldAssistantBase<QualityFileExportConnector>.FieldPath ,  
FormFieldAssistantBase<QualityFileExportConnector>.Context ,  
FormFieldAssistantBase<QualityFileExportConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<QualityFileExportConnector>.Assistance ,  
FormFieldAssistantBase<QualityFileExportConnector>.Identifier ,  
FormFieldAssistantBase<QualityFileExportConnector>.CacheKey ,  
FormFieldAssistantBase<QualityFileExportConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<QualityFileExportConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<QualityFileExportConnector>.AddError(string, string) ,  
FormFieldAssistantBase<QualityFileExportConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↗ , object.Equals(object) ↗ , object.Equals(object, object) ↗ ,  
object.ReferenceEquals(object, object) ↗ , object.GetHashCode() ↗ , object.GetType() ↗ ,  
object.MemberwiseClone() ↗
```

# Methods

## Configure(TreeSelectAttribute)

```
public override void Configure(TreeSelectAttribute fieldConfig)
```

### Parameters

**fieldConfig** [TreeSelectAttribute](#)

# Class QualityStructureAugmenter

Namespace: [MES.MQC.ExportLibrary.Adapters.Export.Forms.Augmenters](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class QualityStructureAugmenter : AugmenterBase<QualityFileExportConnector,  
TreeSelectAttribute>, IFormFieldAssistant
```

## Inheritance

```
object ↩ ← FormFieldAssistantBase<QualityFileExportConnector> ←  
FormFieldAugmenter<QualityFileExportConnector, TreeSelectAttribute> ←  
AugmenterBase<QualityFileExportConnector, TreeSelectAttribute> ← QualityStructureAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
AugmenterBase<QualityFileExportConnector, TreeSelectAttribute>.ExportContext ,  
FormFieldAugmenter<QualityFileExportConnector, TreeSelectAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<QualityFileExportConnector,  
TreeSelectAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<QualityFileExportConnector, TreeSelectAttribute>.Configure(TreeSelectAttribute) ,  
FormFieldAssistantBase<QualityFileExportConnector>.Adapter ,  
FormFieldAssistantBase<QualityFileExportConnector>.FieldPath ,  
FormFieldAssistantBase<QualityFileExportConnector>.Context ,  
FormFieldAssistantBase<QualityFileExportConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<QualityFileExportConnector>.Assistance ,  
FormFieldAssistantBase<QualityFileExportConnector>.Identifier ,  
FormFieldAssistantBase<QualityFileExportConnector>.CacheKey ,  
FormFieldAssistantBase<QualityFileExportConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<QualityFileExportConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<QualityFileExportConnector>.AddError(string, string) ,  
FormFieldAssistantBase<QualityFileExportConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() ↩ , object.Equals(object) ↩ , object.Equals(object, object) ↩ ,  
object.ReferenceEquals(object, object) ↩ , object.GetHashCode() ↩ , object.GetType() ↩ ,  
object.MemberwiseClone() ↩
```

## Methods

## Configure(TreeSelectAttribute)

```
public override void Configure(TreeSelectAttribute fieldConfig)
```

### Parameters

**fieldConfig** [TreeSelectAttribute](#)

# Namespace MES.MQC.ExportLibrary.Adapters. Export.Forms.SubForms

## Classes

[Diff](#)

[Rounding](#)

# Class Diff

Namespace: [MES.MQC.ExportLibrary.Adapters.Export.Forms.SubForms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class Diff
```

## Inheritance

[object](#) ← Diff

## Inherited Members

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

# Properties

## Base

```
[Augmentation(typeof(DiffBaseAugmenter), null, AssistanceExecution.Always)]  
[Augmentation(typeof(VisibleAugmenter), new string[] { "Visible=Enabled"  
}, AssistanceExecution.Always)]  
public string Base { get; set; }
```

## Property Value

[string](#)

## Enabled

```
public bool Enabled { get; set; }
```

## Property Value

[bool](#)

# Rounding

```
[Augmentation(typeof(VisibleAugmenter), new string[] { "Visible=Enabled"  
}, AssistanceExecution.Always)]  
public Rounding Rounding { get; set; }
```

Property Value

[Rounding](#)

# Class Rounding

Namespace: [MES.MQC.ExportLibrary.Adapters.Export.Forms.SubForms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class Rounding
```

## Inheritance

[object](#) ← Rounding

## Inherited Members

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

# Properties

## Decimals

```
[Augmentation(typeof(VisibleAugmenter), new string[] { "Visible=Enabled"  
}, AssistanceExecution.Always)]  
public int Decimals { get; set; }
```

## Property Value

[int](#)

## Enabled

```
public bool Enabled { get; set; }
```

## Property Value

[bool](#)

# Namespace MES.MQC.ExportLibrary.Context Classes

[ExportConnectorContext< TForm >](#)

[ExportConnectorContext< TSourceForm, TDestinationForm, TExportInfo >](#)

# Class ExportConnectorContext<TForm>

Namespace: [MES.MQC.ExportLibrary.Context](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class ExportConnectorContext<TForm> : ContextBase, IFormContext<TForm> where TForm : Form
```

## Type Parameters

TForm

### Inheritance

[object](#) ← [ContextBase](#) ← ExportConnectorContext<TForm>

### Implements

[IFormContext](#)<TForm>

### Derived

[ExportConnectorContext](#)<TSourceForm, TDestinationForm, TExportInfo>

### Inherited Members

[ContextBase.MessageBag](#), [ContextBase.AppDataPath](#), [ContextBase.ProgressManager](#),  
[object.ToString\(\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),  
[object.MemberwiseClone\(\)](#)

## Properties

### ConnectorSettings

Settings for the connector.

```
public ExportConnectorSettings ConnectorSettings { get; }
```

### Property Value

[ExportConnectorSettings](#)

## FactLayer

Info of last export.

```
public IFactLayer FactLayer { get; set; }
```

Property Value

[IFactLayer](#)

## Form

Form of the export.

```
public TForm Form { get; }
```

Property Value

TForm

# Class ExportConnectorContext<TSourceForm, TDestinationForm, TExportInfo>

Namespace: [MES.MQC.ExportLibrary.Context](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class ExportConnectorContext<TSourceForm, TDestinationForm, TExportInfo> :  
    ExportConnectorContext<ExportForm<TSourceForm, TDestinationForm>>,  
    IFormContext<ExportForm<TSourceForm, TDestinationForm>> where TSourceForm : class, new()  
    where TDestinationForm : class, new() where TExportInfo : ExportInfoBase, new()
```

## Type Parameters

TSourceForm

TDestinationForm

TExportInfo

## Inheritance

[object](#) ↗ ← [ContextBase](#) ← [ExportConnectorContext<ExportForm<TSourceForm, TDestinationForm>>](#) ← ExportConnectorContext<TSourceForm, TDestinationForm, TExportInfo>

## Implements

[IFormContext<ExportForm<TSourceForm, TDestinationForm>>](#)

## Inherited Members

[ExportConnectorContext<ExportForm<TSourceForm, TDestinationForm>>.FactLayer](#) ,  
[ExportConnectorContext<ExportForm<TSourceForm, TDestinationForm>>.ConnectorSettings](#) ,  
[ExportConnectorContext<ExportForm<TSourceForm, TDestinationForm>>.Form](#) ,  
[ContextBase.MessageBag](#) , [ContextBase.AppDataPath](#) , [ContextBase.ProgressManager](#) ,  
[object.ToString\(\)](#) ↗ , [object.Equals\(object\)](#) ↗ , [object.Equals\(object, object\)](#) ↗ ,  
[object.ReferenceEquals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ , [object.GetType\(\)](#) ↗ ,  
[object.MemberwiseClone\(\)](#) ↗

## Properties

ExportInfo

Info of last export.

```
public TExportInfo ExportInfo { get; set; }
```

Property Value

TExportInfo

# Namespace MES.MQC.ExportLibrary.Interfaces Interfaces

[IExportConnector](#)

[IExportConnectorWithDownload](#)

[IExportConnectorWithDownload<TSourceForm, TDestinationForm, TExportInfo>](#)

[IExportConnector<TSourceForm, TDestinationForm, TExportInfo>](#)

# Interface IExportConnector

Namespace: [MES.MQC.ExportLibrary.Interfaces](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public interface IExportConnector : IFormAdapter
```

## Inherited Members

[IFormAdapter.Name](#) , [IFormAdapter.Description](#)

## Properties

### Version

```
Version Version { get; }
```

### Property Value

[Version](#) ↗

# Interface IExportConnectorWithDownload

Namespace: [MES.MQC.ExportLibrary.Interfaces](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public interface IExportConnectorWithDownload : IExportConnector, IFormAdapter
```

## Inherited Members

[IExportConnector.Version](#) , [IFormAdapter.Name](#) , [IFormAdapter.Description](#)

# Interface

## IExportConnectorWithDownload<TSourceForm, TDestinationForm, TExportInfo>

Namespace: [MES.MQC.ExportLibrary.Interfaces](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public interface IExportConnectorWithDownload<TSourceForm, TDestinationForm, TExportInfo> :  
    IExportConnectorWithDownload, IExportConnector<TSourceForm, TDestinationForm, TExportInfo>,  
    IExportConnector, IFormAdapter where TSourceForm : class, new() where TDestinationForm :  
    class, new() where TExportInfo : ExportInfoBase, new()
```

### Type Parameters

TSourceForm

TDestinationForm

TExportInfo

### Inherited Members

[IExportConnector<TSourceForm, TDestinationForm, TExportInfo>.Export\(ExportConnectorContext<TSourceForm, TDestinationForm, TExportInfo>\)](#),  
[IExportConnector.Version](#), [IFormAdapter.Name](#), [IFormAdapter.Description](#)

## Methods

### Download(ExportConnectorContext<TSourceForm, TDestinationForm, TExportInfo>, out string)

```
Stream Download(ExportConnectorContext<TSourceForm, TDestinationForm, TExportInfo> context,  
    out string fileName)
```

### Parameters

context [ExportConnectorContext<TSourceForm, TDestinationForm, TExportInfo>](#)

`fileName` [string](#)

Returns

[Stream](#)

# Interface **IExportConnector<TSourceForm, TDestinationForm, TExportInfo>**

Namespace: [MES.MQC.ExportLibrary.Interfaces](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public interface IExportConnector<TSourceForm, TDestinationForm, TExportInfo> :  
    IExportConnector, IFormAdapter where TSourceForm : class, new() where TDestinationForm :  
    class, new() where TExportInfo : ExportInfoBase, new()
```

## Type Parameters

TSourceForm

TDestinationForm

TExportInfo

## Inherited Members

[IExportConnector.Version](#) , [IFormAdapter.Name](#) , [IFormAdapter.Description](#)

## Methods

### Export(ExportConnectorContext<TSourceForm, TDestinationForm, TExportInfo>)

```
TExportInfo Export(ExportConnectorContext<TSourceForm, TDestinationForm,  
TExportInfo> context)
```

## Parameters

context [ExportConnectorContext<TSourceForm, TDestinationForm, TExportInfo>](#)

## Returns

TExportInfo

# Namespace MES.MQC.ExportLibrary.Models.Connectors

## Classes

### [ExportInfoBase](#)

Load Info of a Connector loading contents, so that the next loading can be done additive.

# Class ExportInfoBase

Namespace: [MES.MQC.ExportLibrary.Models.Connectors](#)

Assembly: MES.MQC.ExportLibrary.dll

Load Info of a Connector loading contents, so that the next loading can be done additive.

```
public abstract class ExportInfoBase
```

## Inheritance

[object](#) ← ExportInfoBase

## Derived

[QualityFileExportInfo](#)

## Inherited Members

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

# Constructors

## ExportInfoBase()

```
protected ExportInfoBase()
```

# Properties

## DateTime

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

## Property Value

[DateTime](#)

## Type

```
[YamlMember(Order = -2147483648, Alias = "$type")]
[JsonProperty(Required = Required.Always, Order = -2147483648, PropertyName = "$type")]
public string Type { get; set; }
```

## Property Value

[string](#) ↗

# Namespace MES.MQC.ExportLibrary.Models. Forms

## Classes

[ExportForm](#)

[ExportForm<TSourceForm, TDestinationForm>](#)

## Enums

[ExportTrigger](#)

# Class ExportForm

Namespace: [MES.MQC.ExportLibrary.Models.Forms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public abstract class ExportForm : Form
```

## Inheritance

[object](#) ← [Form](#) ← ExportForm

## Derived

[ExportForm<TSourceForm, TDestinationForm>](#)

## Inherited Members

[Form.Type](#) , [Form.FormSchema](#) , [Form.FormHash](#) , [Form.Errors](#) , [Form.AddFieldError\(string, string, string\)](#) ,  
[Form.AddError\(string, string, string\)](#) , [Form.RemoveError\(string\)](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Properties

## DownloadEnabled

```
public bool DownloadEnabled { get; set; }
```

## Property Value

[bool](#)

## Schedule

```
[Augmentation(typeof(ScheduleAugmenter), new string[] { "Triggers=Triggers" }, AssistanceExecution.Always)]  
public ExportSchedule Schedule { get; set; }
```

## Property Value

## Triggers

```
public ExportTrigger[] Triggers { get; set; }
```

Property Value

[ExportTrigger\[\]](#)

# Class ExportForm<TSourceForm, TDestinationForm>

Namespace: [MES.MQC.ExportLibrary.Models.Forms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class ExportForm<TSourceForm, TDestinationForm> : ExportForm where TSourceForm :  
    class, new() where TDestinationForm : class, new()
```

## Type Parameters

TSourceForm

TDestinationForm

## Inheritance

[object](#) ← [Form](#) ← [ExportForm](#) ← ExportForm<TSourceForm, TDestinationForm>

## Inherited Members

[ExportForm.Triggers](#) , [ExportForm.Schedule](#) , [ExportForm.DownloadEnabled](#) , [Form.Type](#) ,  
[Form.FormSchema](#) , [Form.FormHash](#) , [Form.Errors](#) , [Form.AddFieldError\(string, string, string\)](#) ,  
[Form.AddError\(string, string, string\)](#) , [Form.RemoveError\(string\)](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### Destination

```
public TDestinationForm Destination { get; set; }
```

### Property Value

TDestinationForm

## Source

```
public TSourceForm Source { get; set; }
```

## Property Value

TSourceForm

# Enum ExportTrigger

Namespace: [MES.MQC.ExportLibrary.Models.Forms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {  
    ExportTrigger.ServerSideRefresh })]  
public enum ExportTrigger
```

## Fields

ClientSideRefresh = 0

Manual = 3

ServerSideRefresh = 1

ServerSideSchedule = 2

# Namespace MES.MQC.ExportLibrary.Models.Forms.Augmenters

## Classes

[AugmenterBase<TExportConnector, TFieldAttribute>](#)

[DateFromAugmenter](#)

[DateToAugmenter](#)

[ScheduleAugmenter](#)

# Class AugmenterBase<TExportConnector, TFieldAttribute>

Namespace: [MES.MQC.ExportLibrary.Models.Forms.Augmenters](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public abstract class AugmenterBase<TExportConnector, TFieldAttribute> :  
FormFieldAugmenter<TExportConnector, TFieldAttribute>, IFormFieldAssistant where  
TExportConnector : IExportConnector where TFieldAttribute : FieldAttributeBase
```

## Type Parameters

TExportConnector

TFieldAttribute

## Inheritance

```
object ↗ ← FormFieldAssistantBase<TExportConnector> ←  
FormFieldAugmenter<TExportConnector, TFieldAttribute> ←  
AugmenterBase<TExportConnector, TFieldAttribute>
```

## Implements

[IFormFieldAssistant](#)

## Derived

[ArtifactStructureAugmenter](#), [DiffBaseAugmenter](#), [MilestoneSetAugmenter](#), [QualityStructureAugmenter](#),  
[DateFromAugmenter](#), [DateToAugmenter](#), [ScheduleAugmenter](#)

## Inherited Members

[FormFieldAugmenter<TExportConnector, TFieldAttribute>.Configure\(IFieldAttribute\)](#) ,  
[FormFieldAugmenter<TExportConnector, TFieldAttribute>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAugmenter<TExportConnector, TFieldAttribute>.Configure\(TFieldAttribute\)](#) ,  
[FormFieldAssistantBase<TExportConnector>.Adapter](#) ,  
[FormFieldAssistantBase<TExportConnector>.FieldPath](#) ,  
[FormFieldAssistantBase<TExportConnector>.Context](#) ,  
[FormFieldAssistantBase<TExportConnector>.ExecutionEnvironment](#) ,  
[FormFieldAssistantBase<TExportConnector>.Assistance](#) ,  
[FormFieldAssistantBase<TExportConnector>.Identifier](#) ,  
[FormFieldAssistantBase<TExportConnector>.CacheKey](#) ,

```
FormFieldAssistantBase<TExportConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<TExportConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<TExportConnector>.AddError(string, string) ,  
FormFieldAssistantBase<TExportConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString\(\) , object.Equals\(object\) , object.Equals\(object, object\) ,  
object.ReferenceEquals\(object, object\) , object.GetHashCode\(\) , object.GetType\(\) ,  
object.MemberwiseClone\(\)
```

## Properties

### ExportContext

```
[JsonIgnore]  
protected ExportConnectorContext<Form> ExportContext { get; }
```

#### Property Value

[ExportConnectorContext](#)<[Form](#)>

# Class DateFromAugmenter

Namespace: [MES.MQC.ExportLibrary.Models.Forms.Augmenters](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class DateFromAugmenter : AugmenterBase<IExportConnector,  
DatePickerAttribute>, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<IExportConnector> ←  
FormFieldAugmenter<IExportConnector, DatePickerAttribute> ←  
AugmenterBase<IExportConnector, DatePickerAttribute> ← DateFromAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
AugmenterBase<IExportConnector, DatePickerAttribute>.ExportContext ,  
FormFieldAugmenter<IExportConnector, DatePickerAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<IExportConnector, DatePickerAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<IExportConnector, DatePickerAttribute>.Configure(DatePickerAttribute) ,  
FormFieldAssistantBase<IExportConnector>.Adapter ,  
FormFieldAssistantBase<IExportConnector>.FieldPath ,  
FormFieldAssistantBase<IExportConnector>.Context ,  
FormFieldAssistantBase<IExportConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<IExportConnector>.Assistance ,  
FormFieldAssistantBase<IExportConnector>.Identifier ,  
FormFieldAssistantBase<IExportConnector>.CacheKey ,  
FormFieldAssistantBase<IExportConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<IExportConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<IExportConnector>.AddError(string, string) ,  
FormFieldAssistantBase<IExportConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString\(\) ↗ , object.Equals\(object\) ↗ , object.Equals\(object, object\) ↗ ,  
object.ReferenceEquals\(object, object\) ↗ , object.GetHashCode\(\) ↗ , object.GetType\(\) ↗ ,  
object.MemberwiseClone\(\) ↗
```

## Methods

## Configure(DatePickerAttribute)

```
public override void Configure(DatePickerAttribute fieldConfig)
```

### Parameters

fieldConfig [DatePickerAttribute](#)

# Class DateToAugmenter

Namespace: [MES.MQC.ExportLibrary.Models.Forms.Augmenters](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class DateToAugmenter : AugmenterBase<IExportConnector, DatePickerAttribute>,  
IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<IExportConnector> ←  
FormFieldAugmenter<IExportConnector, DatePickerAttribute> ←  
AugmenterBase<IExportConnector, DatePickerAttribute> ← DateToAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
AugmenterBase<IExportConnector, DatePickerAttribute>.ExportContext ,  
FormFieldAugmenter<IExportConnector, DatePickerAttribute>.Configure(IFieldAttribute) ,  
FormFieldAugmenter<IExportConnector, DatePickerAttribute>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<IExportConnector, DatePickerAttribute>.Configure(DatePickerAttribute) ,  
FormFieldAssistantBase<IExportConnector>.Adapter ,  
FormFieldAssistantBase<IExportConnector>.FieldPath ,  
FormFieldAssistantBase<IExportConnector>.Context ,  
FormFieldAssistantBase<IExportConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<IExportConnector>.Assistance ,  
FormFieldAssistantBase<IExportConnector>.Identifier ,  
FormFieldAssistantBase<IExportConnector>.CacheKey ,  
FormFieldAssistantBase<IExportConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<IExportConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<IExportConnector>.AddError(string, string) ,  
FormFieldAssistantBase<IExportConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString\(\) ↗ , object.Equals\(object\) ↗ , object.Equals\(object, object\) ↗ ,  
object.ReferenceEquals\(object, object\) ↗ , object.GetHashCode\(\) ↗ , object.GetType\(\) ↗ ,  
object.MemberwiseClone\(\) ↗
```

## Methods

## Configure(DatePickerAttribute)

```
public override void Configure(DatePickerAttribute fieldConfig)
```

### Parameters

fieldConfig [DatePickerAttribute](#)

# Class ScheduleAugmenter

Namespace: [MES.MQC.ExportLibrary.Models.Forms.Augmenters](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class ScheduleAugmenter : AugmenterBase<IExportConnector,  
FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<IExportConnector> ←  
FormFieldAugmenter<IExportConnector, FieldAttributeBase> ←  
AugmenterBase<IExportConnector, FieldAttributeBase> ← ScheduleAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
AugmenterBase<IExportConnector, FieldAttributeBase>.ExportContext ,  
FormFieldAugmenter<IExportConnector, FieldAttributeBase>.Configure(FieldAttribute) ,  
FormFieldAugmenter<IExportConnector, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAugmenter<IExportConnector, FieldAttributeBase>.Configure(FieldAttributeBase) ,  
FormFieldAssistantBase<IExportConnector>.Adapter ,  
FormFieldAssistantBase<IExportConnector>.FieldPath ,  
FormFieldAssistantBase<IExportConnector>.Context ,  
FormFieldAssistantBase<IExportConnector>.ExecutionEnvironment ,  
FormFieldAssistantBase<IExportConnector>.Assistance ,  
FormFieldAssistantBase<IExportConnector>.Identifier ,  
FormFieldAssistantBase<IExportConnector>.CacheKey ,  
FormFieldAssistantBase<IExportConnector>.InitializeCacheKey(FieldAttributeBase) ,  
FormFieldAssistantBase<IExportConnector>.AddFieldError(string) ,  
FormFieldAssistantBase<IExportConnector>.AddError(string, string) ,  
FormFieldAssistantBase<IExportConnector>.AddErrorFromResponse(RestResponse, string) ,  
object.ToString() , object.Equals(object) , object.Equals(object, object) ,  
object.ReferenceEquals(object, object) , object.GetHashCode() , object.GetType() ,  
object.MemberwiseClone()
```

# Properties

# Triggers

```
public ExportTrigger[] Triggers { get; set; }
```

Property Value

[ExportTrigger\[\]](#)

## Methods

Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldConfig)
```

Parameters

fieldConfig [FieldAttributeBase](#)

# Namespace MES.MQC.ExportLibrary.Models.Forms.SubForms

## Classes

[DateFromFilter](#)

[DateToFilter](#)

[ExportSchedule](#)

[ExportScheduleFrequency](#)

## Enums

[TimeUnit](#)

# Class DateFromFilter

Namespace: [MES.MQC.ExportLibrary.Models.Forms.SubForms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class DateFromFilter
```

## Inheritance

[object](#) ← DateFromFilter

## Inherited Members

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

# Properties

## Date

```
[Augmentation(typeof(DateFromAugmenter), null, AssistanceExecution.Always)]  
[Augmentation(typeof(DisabledAugmenter), new string[] { "Disabled=UseProjectDate"  
}, AssistanceExecution.Always)]  
public DateTime? Date { get; set; }
```

## Property Value

[DateTime](#)?

## UseProjectDate

```
public bool UseProjectDate { get; set; }
```

## Property Value

[bool](#)

# Class DateToFilter

Namespace: [MES.MQC.ExportLibrary.Models.Forms.SubForms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class DateToFilter
```

## Inheritance

[object](#) ← DateToFilter

## Inherited Members

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

# Properties

## Date

```
[Augmentation(typeof(DateToAugmenter), null, AssistanceExecution.Always)]
[Augmentation(typeof(DisabledAugmenter), new string[] { "Disabled=UseProjectDate"
}, AssistanceExecution.Always)]
public DateTime? Date { get; set; }
```

## Property Value

[DateTime](#)?

## UseProjectDate

```
public bool UseProjectDate { get; set; }
```

## Property Value

[bool](#)

# Class ExportSchedule

Namespace: [MES.MQC.ExportLibrary.Models.Forms.SubForms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class ExportSchedule
```

## Inheritance

[object](#) ← ExportSchedule

## Inherited Members

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

## Properties

End

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

Property Value

[DateTime](#)?

## Frequency

```
public ExportScheduleFrequency Frequency { get; set; }
```

Property Value

[ExportScheduleFrequency](#)

Start

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

## Property Value

[DateTime](#)?

# Class ExportScheduleFrequency

Namespace: [MES.MQC.ExportLibrary.Models.Forms.SubForms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class ExportScheduleFrequency
```

## Inheritance

[object](#) ← ExportScheduleFrequency

## Inherited Members

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

# Properties

## Amount

```
public int Amount { get; set; }
```

## Property Value

[int](#)

## Info

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

## Property Value

[string](#)

## Unit

```
public TimeUnit Unit { get; set; }
```

Property Value

[TimeUnit](#)

# Enum TimeUnit

Namespace: [MES.MQC.ExportLibrary.Models.Forms.SubForms](#)

Assembly: MES.MQC.ExportLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] { TimeUnit.Days })]  
public enum TimeUnit
```

## Fields

Days = 1

Hours = 0

Months = 3

Weeks = 2

# Namespace MES.MQC.ExportLibrary.Models.Settings

## Classes

[ExportConnectorSettings](#)

[ExportSettings](#)

# Class ExportConnectorSettings

Namespace: [MES.MQC.ExportLibrary.Models.Settings](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class ExportConnectorSettings
```

## Inheritance

[object](#) ← ExportConnectorSettings

## Derived

[ExportSettings](#)

## Inherited Members

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

## Constructors

### ExportConnectorSettings(ExportSettings)

```
public ExportConnectorSettings(ExportSettings exportSettings)
```

#### Parameters

exportSettings [ExportSettings](#)

### ExportConnectorSettings(bool)

```
public ExportConnectorSettings(bool previousExportInvalid = false)
```

#### Parameters

previousExportInvalid [bool](#)

# Properties

## PreviousExportInvalid

Is the previous export invalid? (e.g., configuration or export changed)

```
public bool PreviousExportInvalid { get; set; }
```

Property Value

[bool](#) ↗

# Class ExportSettings

Namespace: [MES.MQC.ExportLibrary.Models.Settings](#)

Assembly: MES.MQC.ExportLibrary.dll

```
public class ExportSettings : ExportConnectorSettings
```

## Inheritance

[object](#) ← [ExportConnectorSettings](#) ← ExportSettings

## Inherited Members

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

# Properties

## Triggers

```
public ExportTrigger[] Triggers { get; set; }
```

## Property Value

[ExportTrigger\[\]](#)

# Namespace MES.MQC.FactLayerLibrary

## Interfaces

[IFactLayer](#)

# Interface IFactLayer

Namespace: [MES.MQC.FactLayerLibrary](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
public interface IFactLayer
```

## Properties

### ConfigurationRepository

Repository for Configurations

- ProjectStructures
- QualityModel
- TargetValues
- Annotations
- Settings

```
IConfigurationRepository ConfigurationRepository { get; }
```

### Property Value

[IConfigurationRepository](#)

### ProjectRepository

Repository for Project (state)

- StartDate
- EndDate

```
IProjectRepository ProjectRepository { get; }
```

### Property Value

## QualityRepository

Repository for Quality Facts

```
IQualityRepository QualityRepository { get; }
```

Property Value

[IQualityRepository](#)

# Namespace MES.MQC.FactLayerLibrary.Models

## Classes

[Item](#)

# Class Item

Namespace: [MES.MQC.FactLayerLibrary.Models](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
public class Item
```

## Inheritance

[object](#) ← Item

## Inherited Members

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

# Constructors

## Item(string, double, double, double)

```
[JsonConstructor]  
public Item(string name, double value, double diffValue, double weight = 1)
```

## Parameters

name [string](#)

value [double](#)

diffValue [double](#)

weight [double](#)

# Properties

## DiffValue

```
public double DiffValue { get; }
```

Property Value

[double](#) ↗

Name

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

Property Value

[string](#) ↗

Value

```
public double Value { get; }
```

Property Value

[double](#) ↗

Weight

```
public double Weight { get; }
```

Property Value

[double](#) ↗

# Namespace MES.MQC.FactLayerLibrary.Models.Configuration

## Classes

[Milestone](#)

# Class Milestone

Namespace: [MES.MQC.FactLayerLibrary.Models.Configuration](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
public class Milestone : Milestone
```

## Inheritance

[object](#) ← ConfigurationSourceElement ← Milestone ← Milestone

## Inherited Members

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

# Properties

## FullName

```
public string FullName { get; }
```

### Property Value

[string](#)

## Path

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

### Property Value

[string](#)

# Namespace MES.MQC.FactLayerLibrary.Models.Filters

## Classes

[QualityFilter](#)

[QualityRevisionFilter](#)

## Enums

[QualityFilterType](#)

[QualityRevisionFilterType](#)

# Class QualityFilter

Namespace: [MES.MQC.FactLayerLibrary.Models.Filters](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
public class QualityFilter
```

## Inheritance

[object](#) ← QualityFilter

## Derived

[QualityRevisionFilter](#)

## Inherited Members

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

# Properties

## ArtifactStructure

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

### Property Value

[string](#)

## ArtifactStructureLevel

```
public int ArtifactStructureLevel { get; set; }
```

### Property Value

[int](#)

## Exclude

```
public bool Exclude { get; set; }
```

Property Value

[bool](#) ↗

## QualityFilterType

```
public QualityFilterType QualityFilterType { get; set; }
```

Property Value

[QualityFilterType](#)

## QualityStructure

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

Property Value

[string](#) ↗

## QualityStructureLevel

```
public int QualityStructureLevel { get; set; }
```

Property Value

[int](#) ↗

## Values

```
public string[] Values { get; set; }
```

Property Value

[string](#)[]

# Enum QualityFilterType

Namespace: [MES.MQC.FactLayerLibrary.Models.Filters](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {  
    QualityFilterType.Artifact })]  
public enum QualityFilterType
```

## Fields

Artifact = 0

ArtifactAndQualityProperty = 2

QualityProperty = 1

# Class QualityRevisionFilter

Namespace: [MES.MQC.FactLayerLibrary.Models.Filters](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
public class QualityRevisionFilter : QualityFilter
```

## Inheritance

[object](#) ← [QualityFilter](#) ← QualityRevisionFilter

## Inherited Members

[QualityFilter.ArtifactStructure](#) , [QualityFilter.ArtifactStructureLevel](#) , [QualityFilter.QualityStructure](#) ,  
[QualityFilter.QualityStructureLevel](#) , [QualityFilter.Values](#) , [QualityFilter.Exclude](#) , [object.ToString\(\)](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.ReferenceEquals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Properties

## QualityFilterType

```
public QualityRevisionFilterType QualityFilterType { get; set; }
```

## Property Value

[QualityRevisionFilterType](#)

# Enum QualityRevisionFilterType

Namespace: [MES.MQC.FactLayerLibrary.Models.Filters](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {  
    QualityRevisionFilterType.Revision })]  
public enum QualityRevisionFilterType
```

## Fields

Artifact = 3

ArtifactAndQualityProperty = 5

Bin = 1

DiffBin = 2

QualityProperty = 4

Revision = 0

# Namespace MES.MQC.FactLayerLibrary.Models.Quality

## Classes

[Artifact](#)

[QualityProperty](#)

[Revision](#)

# Class Artifact

Namespace: [MES.MQC.FactLayerLibrary.Models.Quality](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
public class Artifact
```

## Inheritance

[object](#) ← Artifact

## Inherited Members

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

## Constructors

### Artifact(string, Item[])

```
[JsonConstructor]  
public Artifact(string name, Item[] qualityProperties)
```

## Parameters

name [string](#)

qualityProperties [Item\[\]](#)

## Properties

### DiffValue

```
public double DiffValue { get; }
```

### Property Value

[double](#) ↗

## Name

`public string Name { get; }`

### Property Value

[string](#) ↗

## QualityProperties

`public Item[] QualityProperties { get; }`

### Property Value

[Item\[\]](#)

## Value

`public double Value { get; }`

### Property Value

[double](#) ↗

## Weight

`public double Weight { get; }`

### Property Value

[double](#) ↗

# Class QualityProperty

Namespace: [MES.MQC.FactLayerLibrary.Models.Quality](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
public class QualityProperty
```

## Inheritance

[object](#) ← QualityProperty

## Inherited Members

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

## Constructors

### QualityProperty(string, Item[])

```
[JsonConstructor]  
public QualityProperty(string name, Item[] artifacts)
```

## Parameters

name [string](#)

artifacts [Item](#)[]

## Properties

### Artifacts

```
public Item[] Artifacts { get; }
```

### Property Value

[Item\[\]](#)

## DiffValue

`public double DiffValue { get; }`

Property Value

[double](#) ↗

## Name

`public string Name { get; }`

Property Value

[string](#) ↗

## Value

`public double Value { get; }`

Property Value

[double](#) ↗

## Weight

`public double Weight { get; }`

Property Value

[double](#) ↗

# Class Revision

Namespace: [MES.MQC.FactLayerLibrary.Models.Quality](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
public class Revision
```

## Inheritance

[object](#) ← Revision

## Inherited Members

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

## Constructors

Revision(string, DateTime, DateTime, Item[], Item[], Artifact[], QualityProperty[])

```
[JsonConstructor]
public Revision(string name, DateTime startDate, DateTime dueDate, Item[] bins, Item[]
diffBins, Artifact[] artifacts, QualityProperty[] qualityProperties)
```

## Parameters

name [string](#)

startDate [DateTime](#)

dueDate [DateTime](#)

bins [Item](#)[]

diffBins [Item](#)[]

artifacts [Artifact](#)[]

qualityProperties [QualityProperty](#)[]

# Properties

## Artifacts

```
public Artifact[] Artifacts { get; }
```

### Property Value

[Artifact\[\]](#)

## Bins

```
public Item[] Bins { get; }
```

### Property Value

[Item\[\]](#)

## DiffBins

```
public Item[] DiffBins { get; }
```

### Property Value

[Item\[\]](#)

## DiffValue

```
public double DiffValue { get; }
```

### Property Value

[double](#) ↴

## DueDate

`public DateTime DueDate { get; }`

### Property Value

[DateTime](#) ↴

## Name

`public string Name { get; }`

### Property Value

[string](#) ↴

## QualityProperties

`public QualityProperty[] QualityProperties { get; }`

### Property Value

[QualityProperty](#)[]

## StartDate

`public DateTime StartDate { get; }`

### Property Value

[DateTime](#) ↴

## Value

```
public double Value { get; }
```

Property Value

[double](#) ↗

# Namespace MES.MQC.FactLayerLibrary. Repositories.Interfaces

## Interfaces

[IConfigurationRepository](#)

[IProjectRepository](#)

[IQualityRepository](#)

# Interface IConfigurationRepository

Namespace: [MES.MQC.FactLayerLibrary.Repositories.Interfaces](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
public interface IConfigurationRepository
```

## Methods

### GetArtifactStructures()

```
ArtifactStructure[] GetArtifactStructures()
```

Returns

```
ArtifactStructure[]
```

### GetDiffs()

```
string[] GetDiffs()
```

Returns

```
string[]
```

### GetMilestoneStructures()

```
MilestoneStructure[] GetMilestoneStructures()
```

Returns

```
MilestoneStructure[]
```

## GetMilestones()

Milestone[] **GetMilestones()**

Returns

[Milestone\[\]](#)

## GetQualityBins()

QualityBin[] **GetQualityBins()**

Returns

QualityBin[]

## GetQualityDiffBins()

QualityBin[] **GetQualityDiffBins()**

Returns

QualityBin[]

## GetQualityStructures()

QualityStructure[] **GetQualityStructures()**

Returns

QualityStructure[]

# Interface IProjectRepository

Namespace: [MES.MQC.FactLayerLibrary.Repositories.Interfaces](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
public interface IProjectRepository
```

## Methods

### GetEndDate()

```
DateTime? GetEndDate()
```

Returns

[DateTime](#)?

### GetStartDate()

```
DateTime? GetStartDate()
```

Returns

[DateTime](#)?

# Interface IQualityRepository

Namespace: [MES.MQC.FactLayerLibrary.Repositories.Interfaces](#)

Assembly: MES.MQC.FactLayerLibrary.dll

```
public interface IQualityRepository
```

# Namespace MES.MQC.UtilityLibrary.Form

## Classes

[FormFieldAssistantBase<TFormAdapter>](#)

[FormFieldAugmenterSimple<TFormAdapter>](#)

[FormFieldAugmenterWithParents<TFormAdapter, TFieldAttribute>](#)

[FormFieldAugmenter<TFormAdapter, TFieldAttribute>](#)

[FormFieldValidatorNone<TFormAdapter>](#)

[FormFieldValidatorSimple<TFormAdapter>](#)

[FormFieldValidatorWithParents<TFormAdapter, TFieldAttribute>](#)

[FormFieldValidator<TFormAdapter, TFieldAttribute>](#)

# Class FormFieldAssistantBase<TFormAdapter>

Namespace: [MES.MQC.UtilityLibrary.Form](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class FormFieldAssistantBase<TFormAdapter> : IFormFieldAssistant where
TFormAdapter : IFormAdapter
```

## Type Parameters

**TFormAdapter**

## Inheritance

[object](#) ← FormFieldAssistantBase<TFormAdapter>

## Implements

[IFormFieldAssistant](#)

## Derived

[FormFieldAugmenterSimple<TFormAdapter>](#),  
[FormFieldAugmenterWithParents<TFormAdapter, TFieldAttribute>](#),  
[FormFieldAugmenter<TFormAdapter, TFieldAttribute>](#), [FormFieldValidatorNone<TFormAdapter>](#),  
[FormFieldValidatorSimple<TFormAdapter>](#),  
[FormFieldValidatorWithParents<TFormAdapter, TFieldAttribute>](#),  
[FormFieldValidator<TFormAdapter, TFieldAttribute>](#)

## Inherited Members

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

# Properties

## Adapter

```
[JsonIgnore]
public TFormAdapter Adapter { get; }
```

Property Value

TFormAdapter

## Assistance

```
[JsonIgnore]  
public AssistanceAttributeBase Assistance { get; }
```

Property Value

[AssistanceAttributeBase](#)

## CacheKey

```
[JsonIgnore]  
public string CacheKey { get; }
```

Property Value

[string](#) ↗

## Context

```
[JsonIgnore]  
public IFormContext<Form> Context { get; }
```

Property Value

[IFormContext<Form>](#)

## ExecutionEnvironment

```
[JsonIgnore]
```

```
public FormSchemaGenerator.ExecutionEnvironment ExecutionEnvironment { get; }
```

## Property Value

[FormSchemaGenerator.ExecutionEnvironment](#)

## FieldPath

```
[JsonIgnore]  
public string FieldPath { get; }
```

## Property Value

[string](#)

## Identifier

```
[JsonIgnore]  
public string Identifier { get; }
```

## Property Value

[string](#)

## Methods

### AddError(string, string)

```
protected void AddError(string message, string description)
```

#### Parameters

message [string](#)

description [string](#)

## AddErrorFromResponse(RestResponse, string)

```
protected void AddErrorFromResponse(RestResponse response, string message =  
"Fetching failed")
```

### Parameters

response RestResponse

message [string](#)

## AddFieldError(string)

```
protected void AddFieldError(string message)
```

### Parameters

message [string](#)

## InitializeCacheKey(FieldAttributeBase)

```
public virtual void InitializeCacheKey(FieldAttributeBase fieldConfig)
```

### Parameters

fieldConfig [FieldAttributeBase](#)

# Class

## FormFieldAugmenterSimple<TFormAdapter>

Namespace: [MES.MQC.UtilityLibrary.Form](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class FormFieldAugmenterSimple<TFormAdapter> :  
    FormFieldAssistantBase<TFormAdapter>, IFormFieldAssistant where TFormAdapter : IFormAdapter
```

### Type Parameters

[TFormAdapter](#)

### Inheritance

[object](#) ← [FormFieldAssistantBase<TFormAdapter>](#) ← [FormFieldAugmenterSimple<TFormAdapter>](#)

### Implements

[IFormFieldAssistant](#)

### Inherited Members

[FormFieldAssistantBase<TFormAdapter>.Adapter](#), [FormFieldAssistantBase<TFormAdapter>.FieldPath](#),  
[FormFieldAssistantBase<TFormAdapter>.Context](#),  
[FormFieldAssistantBase<TFormAdapter>.ExecutionEnvironment](#),  
[FormFieldAssistantBase<TFormAdapter>.Assistance](#), [FormFieldAssistantBase<TFormAdapter>.Identifier](#),  
[FormFieldAssistantBase<TFormAdapter>.CacheKey](#),  
[FormFieldAssistantBase<TFormAdapter>.AddFieldError\(string\)](#),  
[FormFieldAssistantBase<TFormAdapter>.AddError\(string, string\)](#),  
[FormFieldAssistantBase<TFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#),  
[object.ToString\(\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),  
[object.MemberwiseClone\(\)](#)

### Methods

#### Configure(FieldAttributeSimple)

```
public abstract void Configure(FieldAttributeSimple fieldConfig)
```

Parameters

**fieldConfig** [FieldAttributeSimple](#)

## Configure(IFieldAttribute)

```
public void Configure(IFieldAttribute fieldConfig)
```

Parameters

**fieldConfig** [IFieldAttribute](#)

## InitializeCacheKey(FieldAttributeBase)

```
public override void InitializeCacheKey(FieldAttributeBase fieldConfig)
```

Parameters

**fieldConfig** [FieldAttributeBase](#)

# Class

## FormFieldAugmenterWithParents<TFormAdapter, TFieldAttribute>

Namespace: [MES.MQC.UtilityLibrary.Form](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class FormFieldAugmenterWithParents<TFormAdapter, TFieldAttribute> :  
    FormFieldAssistantBase<TFormAdapter>, IFormFieldAssistant where TFormAdapter : IFormAdapter  
    where TFieldAttribute : FieldAttributeBase
```

### Type Parameters

[TFormAdapter](#)

[TFieldAttribute](#)

### Inheritance

```
object ← FormFieldAssistantBase<TFormAdapter> ←  
FormFieldAugmenterWithParents<TFormAdapter, TFieldAttribute>
```

### Implements

[IFormFieldAssistant](#)

### Derived

[RequiredFromParentAugmenter](#)

### Inherited Members

[FormFieldAssistantBase<TFormAdapter>.Adapter](#), [FormFieldAssistantBase<TFormAdapter>.FieldPath](#),  
[FormFieldAssistantBase<TFormAdapter>.Context](#),  
[FormFieldAssistantBase<TFormAdapter>.ExecutionEnvironment](#),  
[FormFieldAssistantBase<TFormAdapter>.Assistance](#), [FormFieldAssistantBase<TFormAdapter>.Identifier](#),  
[FormFieldAssistantBase<TFormAdapter>.CacheKey](#),  
[FormFieldAssistantBase<TFormAdapter>.AddFieldError\(string\)](#),  
[FormFieldAssistantBase<TFormAdapter>.AddError\(string, string\)](#),  
[FormFieldAssistantBase<TFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#),  
[object.ToString\(\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),  
[object.MemberwiseClone\(\)](#)

## Methods

### Configure(IFieldAttribute, FieldAttributeBase[])

```
public void Configure(IFieldAttribute fieldConfig, FieldAttributeBase[] parents)
```

#### Parameters

fieldConfig [IFieldAttribute](#)

parents [FieldAttributeBase](#)[]

### Configure(TFieldAttribute, FieldAttributeBase[])

```
public abstract void Configure(TFieldAttribute fieldConfig, FieldAttributeBase[] parents)
```

#### Parameters

fieldConfig [TFieldAttribute](#)

parents [FieldAttributeBase](#)[]

### InitializeCacheKey(FieldAttributeBase)

```
public override void InitializeCacheKey(FieldAttributeBase fieldConfig)
```

#### Parameters

fieldConfig [FieldAttributeBase](#)

# Class FormFieldAugmenter<TFormAdapter, TFieldAttribute>

Namespace: [MES.MQC.UtilityLibrary.Form](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class FormFieldAugmenter<TFormAdapter, TFieldAttribute> :  
    FormFieldAssistantBase<TFormAdapter>, IFormFieldAssistant where TFormAdapter : IFormAdapter  
    where TFieldAttribute : FieldAttributeBase
```

## Type Parameters

TFormAdapter

TFieldAttribute

## Inheritance

[object](#) ← [FormFieldAssistantBase<TFormAdapter>](#) ←  
[FormFieldAugmenter<TFormAdapter, TFieldAttribute>](#)

## Implements

[IFormFieldAssistant](#)

## Derived

[ApiAugmenterBase<TFieldAttribute>](#), [ApiAugmenterBase<TFieldAttribute>](#),  
[ApiAugmenterBase<TFieldAttribute>](#), [ApiAugmenterBase<TFieldAttribute>](#),  
[NotDisabledFromFieldAugmenter](#), [ImportSubFormVisibleAugmenter](#),  
[AugmenterBase<TExportConnector, TFieldAttribute>](#), [DisabledAugmenter](#), [NotDisabledAugmenter](#),  
[NotVisibleAugmenter](#), [NotVisibleInTableAugmenter](#), [VisibleAugmenter](#), [VisibleInTableAugmenter](#)

## Inherited Members

[FormFieldAssistantBase<TFormAdapter>.Adapter](#), [FormFieldAssistantBase<TFormAdapter>.FieldPath](#),  
[FormFieldAssistantBase<TFormAdapter>.Context](#),  
[FormFieldAssistantBase<TFormAdapter>.ExecutionEnvironment](#),  
[FormFieldAssistantBase<TFormAdapter>.Assistance](#), [FormFieldAssistantBase<TFormAdapter>.Identifier](#),  
[FormFieldAssistantBase<TFormAdapter>.CacheKey](#),  
[FormFieldAssistantBase<TFormAdapter>.AddFieldError\(string\)](#),  
[FormFieldAssistantBase<TFormAdapter>.AddError\(string, string\)](#),  
[FormFieldAssistantBase<TFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#),

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

## Methods

### Configure(IFieldAttribute)

```
public void Configure(IFieldAttribute fieldConfig)
```

#### Parameters

**fieldConfig** [IFieldAttribute](#)

### Configure(TFieldAttribute)

```
public abstract void Configure(TFieldAttribute fieldConfig)
```

#### Parameters

**fieldConfig** [TFieldAttribute](#)

### InitializeCacheKey(FieldAttributeBase)

```
public override void InitializeCacheKey(FieldAttributeBase fieldConfig)
```

#### Parameters

**fieldConfig** [FieldAttributeBase](#)

# Class FormFieldValidatorNone<TFormAdapter>

Namespace: [MES.MQC.UtilityLibrary.Form](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class FormFieldValidatorNone<TFormAdapter> :  
    FormFieldAssistantBase<TFormAdapter>, IFormFieldAssistant where TFormAdapter : IFormAdapter
```

## Type Parameters

[TFormAdapter](#)

## Inheritance

[object](#) ← [FormFieldAssistantBase](#)<TFormAdapter> ← [FormFieldValidatorNone](#)<TFormAdapter>

## Implements

[IFormFieldAssistant](#)

## Inherited Members

[FormFieldAssistantBase](#)<TFormAdapter>.Adapter , [FormFieldAssistantBase](#)<TFormAdapter>.FieldPath ,  
[FormFieldAssistantBase](#)<TFormAdapter>.Context ,  
[FormFieldAssistantBase](#)<TFormAdapter>.ExecutionEnvironment ,  
[FormFieldAssistantBase](#)<TFormAdapter>.Assistance , [FormFieldAssistantBase](#)<TFormAdapter>.Identifier ,  
[FormFieldAssistantBase](#)<TFormAdapter>.CacheKey ,  
[FormFieldAssistantBase](#)<TFormAdapter>.InitializeCacheKey(FieldAttributeBase) ,  
[FormFieldAssistantBase](#)<TFormAdapter>.AddFieldError(string) ,  
[FormFieldAssistantBase](#)<TFormAdapter>.AddError(string, string) ,  
[FormFieldAssistantBase](#)<TFormAdapter>.AddErrorFromResponse(RestResponse, string) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Methods

[Validate\(\)](#)

```
public abstract bool Validate()
```

Returns

bool ↗

# Class

## FormFieldValidatorSimple<TFormAdapter>

Namespace: [MES.MQC.UtilityLibrary.Form](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class FormFieldValidatorSimple<TFormAdapter> :  
    FormFieldAssistantBase<TFormAdapter>, IFormFieldAssistant where TFormAdapter : IFormAdapter
```

### Type Parameters

[TFormAdapter](#)

### Inheritance

[object](#) ← [FormFieldAssistantBase<TFormAdapter>](#) ← [FormFieldValidatorSimple<TFormAdapter>](#)

### Implements

[IFormFieldAssistant](#)

### Inherited Members

[FormFieldAssistantBase<TFormAdapter>.Adapter](#) , [FormFieldAssistantBase<TFormAdapter>.FieldPath](#) ,  
[FormFieldAssistantBase<TFormAdapter>.Context](#) ,  
[FormFieldAssistantBase<TFormAdapter>.ExecutionEnvironment](#) ,  
[FormFieldAssistantBase<TFormAdapter>.Assistance](#) , [FormFieldAssistantBase<TFormAdapter>.Identifier](#) ,  
[FormFieldAssistantBase<TFormAdapter>.CacheKey](#) ,  
[FormFieldAssistantBase<TFormAdapter>.AddFieldError\(string\)](#) ,  
[FormFieldAssistantBase<TFormAdapter>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<TFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Methods

### InitializeCacheKey(FieldAttributeBase)

```
public override void InitializeCacheKey(FieldAttributeBase fieldConfig)
```

Parameters

**fieldConfig** [FieldAttributeBase](#)

## Validate(FieldAttributeSimple)

```
public abstract bool Validate(FieldAttributeSimple fieldConfig)
```

Parameters

**fieldConfig** [FieldAttributeSimple](#)

Returns

[bool](#) ↗

## Validate(IFieldAttribute)

```
public bool Validate(IFieldAttribute fieldConfig)
```

Parameters

**fieldConfig** [IFieldAttribute](#)

Returns

[bool](#) ↗

# Class

## FormFieldValidatorWithParents<TFormAdapter, TFieldAttribute>

Namespace: [MES.MQC.UtilityLibrary.Form](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class FormFieldValidatorWithParents<TFormAdapter, TFieldAttribute> :  
    FormFieldAssistantBase<TFormAdapter>, IFormFieldAssistant where TFormAdapter : IFormAdapter  
    where TFieldAttribute : FieldAttributeBase
```

### Type Parameters

[TFormAdapter](#)

[TFieldAttribute](#)

### Inheritance

[object](#) ← [FormFieldAssistantBase](#)<TFormAdapter> ←  
[FormFieldValidatorWithParents](#)<TFormAdapter, TFieldAttribute>

### Implements

[IFormFieldAssistant](#)

### Inherited Members

[FormFieldAssistantBase<TFormAdapter>.Adapter](#), [FormFieldAssistantBase<TFormAdapter>.FieldPath](#),  
[FormFieldAssistantBase<TFormAdapter>.Context](#),  
[FormFieldAssistantBase<TFormAdapter>.ExecutionEnvironment](#),  
[FormFieldAssistantBase<TFormAdapter>.Assistance](#), [FormFieldAssistantBase<TFormAdapter>.Identifier](#),  
[FormFieldAssistantBase<TFormAdapter>.CacheKey](#),  
[FormFieldAssistantBase<TFormAdapter>.AddFieldError\(string\)](#),  
[FormFieldAssistantBase<TFormAdapter>.AddError\(string, string\)](#),  
[FormFieldAssistantBase<TFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#),  
[object.ToString\(\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),  
[object.MemberwiseClone\(\)](#)

# Methods

## InitializeCacheKey(FieldAttributeBase)

```
public override void InitializeCacheKey(FieldAttributeBase fieldConfig)
```

### Parameters

fieldConfig [FieldAttributeBase](#)

## Validate(IFieldAttribute, FieldAttributeBase[])

```
public bool Validate(IFieldAttribute fieldConfig, FieldAttributeBase[] parents)
```

### Parameters

fieldConfig [IFieldAttribute](#)

parents [FieldAttributeBase](#)[]

### Returns

[bool](#) ↗

## Validate(TFieldAttribute, FieldAttributeBase[])

```
public abstract bool Validate(TFieldAttribute fieldConfig, FieldAttributeBase[] parents)
```

### Parameters

fieldConfig [TFieldAttribute](#)

parents [FieldAttributeBase](#)[]

### Returns

[bool](#) ↗



# Class FormFieldValidator<TFormAdapter, TFieldAttribute>

Namespace: [MES.MQC.UtilityLibrary.Form](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class FormFieldValidator<TFormAdapter, TFieldAttribute> :  
FormFieldAssistantBase<TFormAdapter>, IFormFieldAssistant where TFormAdapter : IFormAdapter  
where TFieldAttribute : FieldAttributeBase
```

## Type Parameters

[TFormAdapter](#)

[TFieldAttribute](#)

## Inheritance

[object](#) ← [FormFieldAssistantBase](#)<TFormAdapter> ←  
[FormFieldValidator](#)<TFormAdapter, TFieldAttribute>

## Implements

[IFormFieldAssistant](#)

## Derived

[ApiValidatorBase](#)<TFieldAttribute>, [ApiValidatorBase](#)<TFieldAttribute>,  
[ApiValidatorBase](#)<TFieldAttribute>, [ApiValidatorBase](#)<TFieldAttribute>, [ClientCertificateValidator](#),  
[DuplicateValidatorBase](#)<TItem>, [MatchRegexValidatorBase](#)

## Inherited Members

[FormFieldAssistantBase](#)<TFormAdapter>.Adapter , [FormFieldAssistantBase](#)<TFormAdapter>.FieldPath ,  
[FormFieldAssistantBase](#)<TFormAdapter>.Context ,  
[FormFieldAssistantBase](#)<TFormAdapter>.ExecutionEnvironment ,  
[FormFieldAssistantBase](#)<TFormAdapter>.Assistance , [FormFieldAssistantBase](#)<TFormAdapter>.Identifier ,  
[FormFieldAssistantBase](#)<TFormAdapter>.CacheKey ,  
[FormFieldAssistantBase](#)<TFormAdapter>.AddFieldError(string) ,  
[FormFieldAssistantBase](#)<TFormAdapter>.AddError(string, string) ,  
[FormFieldAssistantBase](#)<TFormAdapter>.AddErrorFromResponse(RestResponse, string) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,

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

## Methods

### InitializeCacheKey(FieldAttributeBase)

```
public override void InitializeCacheKey(FieldAttributeBase fieldConfig)
```

#### Parameters

**fieldConfig** [FieldAttributeBase](#)

### Validate(IFieldAttribute)

```
public bool Validate(IFieldAttribute fieldConfig)
```

#### Parameters

**fieldConfig** [IFieldAttribute](#)

#### Returns

[bool](#)

### Validate(TFieldAttribute)

```
public abstract bool Validate(TFieldAttribute fieldConfig)
```

#### Parameters

**fieldConfig** TFieldAttribute

#### Returns

bool ↗

# Namespace MES.MQC.UtilityLibrary.Form.Attributes

## Classes

[FormAttribute](#)

[IgnoreAttribute](#)

## Enums

[FormLayout](#)

# Class FormAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
[AttributeUsage(AttributeTargets.Class)]
public class FormAttribute : Attribute, _Attribute
```

## Inheritance

[object](#) ← [Attribute](#) ← FormAttribute

## Implements

[Attribute](#)

## Inherited Members

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

# Properties

## AdapterType

```
public Type AdapterType { get; set; }
```

### Property Value

[Type](#) ↗

## AlwaysAddDeleteColumn

```
public bool AlwaysAddDeleteColumn { get; set; }
```

### Property Value

[bool](#) ↗

## Description

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

### Property Value

[string](#) ↗

## Layout

```
public FormLayout Layout { get; set; }
```

### Property Value

[FormLayout](#)

## Name

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

### Property Value

[string](#) ↗

## Preview

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

### Property Value

[string](#) ↗

## ShowTableBorder

```
public bool ShowTableBorder { get; set; }
```

### Property Value

[bool](#) ↗

## ShowTableHeader

```
public bool ShowTableHeader { get; set; }
```

### Property Value

[bool](#) ↗

## TableSize

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

Property Value

[string](#)

## TitleFields

```
public string[] TitleFields { get; set; }
```

Property Value

[string](#)[]

## VerticalLabelHeaderForTableSubFormField

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

Property Value

[string](#)

## Methods

### CreateAdapter()

```
public IFormAdapter CreateAdapter()
```

Returns

[IFormAdapter](#)

# Enum FormLayout

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] { FormLayout.Default })]  
public enum FormLayout
```

## Fields

Default = 0

Table = 2

TableDetached = 3

Vertical = 1

# Class IgnoreAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
[AttributeUsage(AttributeTargets.Property | AttributeTargets.Field)]
public class IgnoreAttribute : Attribute, _Attribute
```

## Inheritance

[object](#) ← [Attribute](#) ← IgnoreAttribute

## Implements

[Attribute](#)

## Inherited Members

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

# Namespace MES.MQC.UtilityLibrary.Form.Attributes.Field

## Classes

[AssistanceAttributeBase](#)

[AugmentationAttribute](#)

[AutoCompleteAttribute](#)

[CheckboxAttribute](#)

[CheckboxGroupAttribute](#)

[DateAttributeBase](#)

[DatePickerAttribute](#)

[DirectoryAttribute](#)

[FieldAttributeBase](#)

[FieldAttributeSimple](#)

[FileAttribute](#)

[InputAttribute](#)

[InputNumberAttribute](#)

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[SwitchAttribute](#)

[TextAttribute](#)

[TextAttributeBase](#)

[TextareaAttribute](#)

[TimePickerAttribute](#)

[TreeItem](#)

[TreeSelectAttribute](#)

[ValidationAttribute](#)

[WeekPickerAttribute](#)

[WithOptionsAttributeBase](#)

## Enums

[AssistanceCategory](#)

[AssistanceExecution](#)

[InputType](#)

[SelectAttribute.SelectMode](#)

[TreeSelectAttribute.TreeSelectMode](#)

# Class AssistanceAttributeBase

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
[AttributeUsage(AttributeTargets.Property, AllowMultiple = true)]
public abstract class AssistanceAttributeBase : Attribute, _Attribute
```

## Inheritance

[object](#) ← [Attribute](#) ← AssistanceAttributeBase

## Implements

[Attribute](#)

## Derived

[AugmentationAttribute](#), [ValidationAttribute](#)

## Inherited Members

[Attribute.GetCustomAttributes\(MemberInfo, Type\)](#) ,  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#) ,  
[Attribute.GetCustomAttributes\(MemberInfo\)](#) , [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#) ,  
[Attribute.IsDefined\(MemberInfo, Type\)](#) , [Attribute.IsDefined\(MemberInfo, Type, bool\)](#) ,  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#) ,  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#) ,  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#) , [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#) ,  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#) ,  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#) , [Attribute.IsDefined\(ParameterInfo, Type\)](#) ,  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#) , [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#) ,  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#) ,  
[Attribute.GetCustomAttributes\(Module, Type\)](#) , [Attribute.GetCustomAttributes\(Module\)](#) ,  
[Attribute.GetCustomAttributes\(Module, bool\)](#) , [Attribute.GetCustomAttributes\(Module, Type, bool\)](#) ,  
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[Attribute.GetCustomAttributes\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttributes\(Assembly\)](#) ,  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,

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

## Constructors

AssistanceAttributeBase(AssistanceCategory, Type, AssistanceExecution)

```
protected AssistanceAttributeBase(AssistanceCategory category, Type innerType,  
AssistanceExecution execution = AssistanceExecution.Always)
```

Parameters

category [AssistanceCategory](#)

innerType [Type](#)

execution [AssistanceExecution](#)

AssistanceAttributeBase(AssistanceCategory, Type, Dictionary<string, string>, AssistanceExecution)

```
[JsonConstructor]  
protected AssistanceAttributeBase(AssistanceCategory category, Type innerType,  
Dictionary<string, string> inputMappings, AssistanceExecution execution  
= AssistanceExecution.Always)
```

Parameters

category [AssistanceCategory](#)

innerType [Type](#)

inputMappings [Dictionary](#)<[string](#), [string](#)>

execution [AssistanceExecution](#)

## AssistanceAttributeBase(AssistanceCategory, Type, string[], AssistanceExecution)

```
protected AssistanceAttributeBase(AssistanceCategory category, Type innerType, string[]
inputs = null, AssistanceExecution execution = AssistanceExecution.Always)
```

### Parameters

category [AssistanceCategory](#)

innerType [Type](#)

inputs [string](#)[]

execution [AssistanceExecution](#)

# Enum AssistanceCategory

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {  
    AssistanceCategory.Augmentation })]  
public enum AssistanceCategory
```

## Fields

Augmentation = 0

Validation = 1

# Enum AssistanceExecution

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {  
    AssistanceExecution.Always })]  
public enum AssistanceExecution
```

## Fields

Always = 0

Backend = 2

Frontend = 1

# Class AugmentationAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class AugmentationAttribute : AssistanceAttributeBase, _Attribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [AssistanceAttributeBase](#) ← AugmentationAttribute

## Implements

[Attribute](#)

## Inherited Members

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

## Constructors

### AugmentationAttribute(Type, AssistanceExecution)

```
public AugmentationAttribute(Type innerType, AssistanceExecution execution)
```

#### Parameters

innerType [Type](#)

execution [AssistanceExecution](#)

### AugmentationAttribute(Type, Dictionary<string, string>, AssistanceExecution)

```
[JsonConstructor]  
public AugmentationAttribute(Type innerType, Dictionary<string, string> inputMappings,  
AssistanceExecution execution = AssistanceExecution.Always)
```

#### Parameters

innerType [Type](#)

inputMappings [Dictionary](#)<[string](#), [string](#)>

execution [AssistanceExecution](#)

### AugmentationAttribute(Type, string[], AssistanceExecution)

```
public AugmentationAttribute(Type innerType, string[] inputs = null, AssistanceExecution  
execution = AssistanceExecution.Always)
```

#### Parameters

innerType [Type](#)

inputs [string](#)[]

execution [AssistanceExecution](#)

# Class AutoCompleteAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class AutoCompleteAttribute : FieldAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← AutoCompleteAttribute

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),  
[Attribute.IsDefined\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttribute\(Assembly, Type\)](#),

[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### Placeholder

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

#### Property Value

[string](#)

### RefreshDelay

```
public bool RefreshDelay { get; }
```

#### Property Value

[bool](#)

### Suggestions

```
public string[] Suggestions { get; set; }
```

#### Property Value

[string\[\]](#)

## Methods

### GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns

[Type](#)[]

# Class CheckboxAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class CheckboxAttribute : FieldAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [CheckboxAttribute](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),  
[Attribute.IsDefined\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttribute\(Assembly, Type\)](#),

[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### CheckLabel

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

Property Value

[string](#)

## Methods

### GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns

[Type](#)[]

# Class CheckboxGroupAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class CheckboxGroupAttribute : WithOptionsAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [WithOptionsAttributeBase](#) ← [CheckboxGroupAttribute](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[WithOptionsAttributeBase.Options](#), [WithOptionsAttributeBase.ValidateOptionValueInBackend](#),  
[WithOptionsAttributeBase.OptionsWithLabel](#), [WithOptionsAttributeBase.AllowEnumType\(\)](#),  
[WithOptionsAttributeBase.GetBasicTypes\(\)](#), [FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#),  
[FieldAttributeBase.Help](#), [FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#),  
[FieldAttributeBase.Required](#), [FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#),  
[FieldAttributeBase.DefaultValue](#), [FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#),  
[FieldAttributeBase.Prefix](#), [FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#),  
[FieldAttributeBase.VisibleInTable](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),

[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Methods

### IsArrayType()

.PropertyType for this attribute is an array of enum or a basic type

```
public override bool IsArrayType()
```

Returns

[bool](#)

# Class DateAttributeBase

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class DateAttributeBase : FieldAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← DateAttributeBase

## Implements

[Attribute](#), [IFieldAttribute](#)

## Derived

[DatePickerAttribute](#), [MonthPickerAttribute](#), [WeekPickerAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeType](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),

[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttributes\(Assembly\)](#) ,  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### MaxDateTime

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

#### Property Value

[DateTime](#)?

### MinDateTime

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

#### Property Value

[DateTime](#)?

## Methods

### GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns



# Class DatePickerAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class DatePickerAttribute : DateAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [DateAttributeBase](#) ← [DatePickerAttribute](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[DateAttributeBase.MinDateTime](#), [DateAttributeBase.MaxDateTime](#), [DateAttributeBase.GetBasicTypes\(\)](#),  
[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),

[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### ShowTime

```
public bool ShowTime { get; set; }
```

#### Property Value

[bool](#)

# Class DirectoryAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class DirectoryAttribute : FieldAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [DirectoryAttribute](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),  
[Attribute.IsDefined\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttribute\(Assembly, Type\)](#),

[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### AllowSpecial

```
public bool AllowSpecial { get; set; }
```

Property Value

[bool](#)

### Placeholder

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

Property Value

[string](#)

### RefreshDelay

```
public bool RefreshDelay { get; }
```

Property Value

[bool](#)

## Methods

### GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns

[Type](#)[]

# Class FieldAttributeBase

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
[AttributeUsage(AttributeTargets.Property)]
public abstract class FieldAttributeBase : Attribute, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← FieldAttributeBase

## Implements

[Attribute](#), [IFieldAttribute](#)

## Derived

[AutoCompleteAttribute](#), [CheckboxAttribute](#), [DateAttributeBase](#), [DirectoryAttribute](#), [FileAttribute](#),  
[NumberAttributeBase](#), [SubFormAttributeBase](#), [SwitchAttribute](#), [TextAttribute](#), [TextAttributeBase](#),  
[TimePickerAttribute](#), [TreeSelectAttribute](#), [WithOptionsAttributeBase](#)

## Inherited Members

[Attribute.GetCustomAttributes\(MemberInfo, Type\)](#) ,  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#) ,  
[Attribute.GetCustomAttributes\(MemberInfo\)](#) , [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#) ,  
[Attribute.IsDefined\(MemberInfo, Type\)](#) , [Attribute.IsDefined\(MemberInfo, Type, bool\)](#) ,  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#) ,  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#) ,  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#) , [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#) ,  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#) ,  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#) , [Attribute.IsDefined\(ParameterInfo, Type\)](#) ,  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#) , [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#) ,  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#) ,  
[Attribute.GetCustomAttributes\(Module, Type\)](#) , [Attribute.GetCustomAttributes\(Module\)](#) ,  
[Attribute.GetCustomAttributes\(Module, bool\)](#) , [Attribute.GetCustomAttributes\(Module, Type, bool\)](#) ,  
[Attribute.IsDefined\(Module, Type\)](#) , [Attribute.IsDefined\(Module, Type, bool\)](#) ,  
[Attribute.GetCustomAttribute\(Module, Type\)](#) , [Attribute.GetCustomAttribute\(Module, Type, bool\)](#) ,  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttributes\(Assembly\)](#) ,  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,

[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Constructors

### FieldAttributeBase()

`protected FieldAttributeBase()`

## Properties

### Appendix

`public string Appendix { get; set; }`

Property Value

[string](#)

### DefaultValue

`public object DefaultValue { get; set; }`

Property Value

[object](#)

### Defaulting

`public bool Defaulting { get; set; }`

Property Value

[bool](#) ↗

## Disabled

```
public bool Disabled { get; set; }
```

Property Value

[bool](#) ↗

## Help

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

Property Value

[string](#) ↗

## Label

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

Property Value

[string](#) ↗

## LabelHidden

```
public bool LabelHidden { get; set; }
```

Property Value

[bool](#) ↗

## Order

```
public int Order { get; set; }
```

### Property Value

[int](#) ↗

## Prefix

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

### Property Value

[string](#) ↗

## Preview

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

### Property Value

[string](#) ↗

## Required

```
public bool Required { get; set; }
```

### Property Value

[bool](#) ↗

## SizeInTable

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

Property Value

[string](#)

## Visible

```
public bool Visible { get; set; }
```

Property Value

[bool](#)

## VisibleInTable

```
public bool VisibleInTable { get; set; }
```

Property Value

[bool](#)

## VisibleInView

```
public bool VisibleInView { get; set; }
```

Property Value

[bool](#)

## Methods

### AllowClassType()

.PropertyType for this attribute can be a class, that contains at least one property with a FieldAttribute

```
public virtual bool AllowClassType()
```

Returns

[bool](#)

## AllowEnumType()

.PropertyType for this attribute can be a enum

```
public virtual bool AllowEnumType()
```

Returns

[bool](#)

## GetBasicTypes()

Allowed basic types for PropertyType

```
public virtual Type[] GetBasicTypes()
```

Returns

[Type](#)[]

## IsArrayType()

.PropertyType for this attribute is an array of enum or a basic type

```
public virtual bool IsArrayType()
```

Returns

bool ↗

# Class FieldAttributeSimple

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class FieldAttributeSimple
```

## Inheritance

[object](#) ← FieldAttributeSimple

## Inherited Members

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

## Constructors

### FieldAttributeSimple(FieldAttributeBase)

```
public FieldAttributeSimple(FieldAttributeBase fieldAttribute)
```

## Parameters

fieldAttribute [FieldAttributeBase](#)

## Properties

### DefaultValue

```
public object DefaultValue { get; set; }
```

## Property Value

[object](#)

## Defaulting

```
public bool Defaulting { get; set; }
```

Property Value

[bool](#)

## Disabled

```
public bool Disabled { get; set; }
```

Property Value

[bool](#)

## Options

```
public string[] Options { get; set; }
```

Property Value

[string](#)[]

## OptionsWithLabel

```
[JsonIgnore]  
public OptionWithLabel[] OptionsWithLabel { get; set; }
```

Property Value

[OptionWithLabel](#)[]

## Visible

```
public bool Visible { get; set; }
```

### Property Value

[bool](#)

## Methods

### Assign(FieldAttributeBase)

```
public void Assign(FieldAttributeBase fieldAttribute)
```

### Parameters

[fieldAttribute](#) [FieldAttributeBase](#)

# Class FileAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class FileAttribute : FieldAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [FileAttribute](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),  
[Attribute.IsDefined\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttribute\(Assembly, Type\)](#),

[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### AllowSpecial

```
public bool AllowSpecial { get; set; }
```

#### Property Value

[bool](#)

### AllowedExtensions

```
public string[] AllowedExtensions { get; set; }
```

#### Property Value

[string](#)[]

### Placeholder

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

#### Property Value

[string](#)

### RefreshDelay

```
public bool RefreshDelay { get; }
```

Property Value

[bool](#)

## Methods

### GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns

[Type](#)[]

# Class InputAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class InputAttribute : TextAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [TextAttributeBase](#) ← [InputAttribute](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[TextAttributeBase.Placeholder](#), [TextAttributeBase.MinLength](#), [TextAttributeBase.MaxLength](#),  
[TextAttributeBase.RefreshDelay](#), [TextAttributeBase.GetBasicTypes\(\)](#), [FieldAttributeBase.Label](#),  
[FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#), [FieldAttributeBase.Visible](#),  
[FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#), [FieldAttributeBase.Order](#),  
[FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#), [FieldAttributeBase.Defaulting](#),  
[FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#), [FieldAttributeBase.Appendix](#),  
[FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#), [FieldAttributeBase.AllowEnumType\(\)](#),  
[FieldAttributeBase.AllowClassType\(\)](#), [FieldAttributeBase.IsArrayType\(\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),

[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### InputType

```
public InputType InputType { get; set; }
```

Property Value

[InputType](#)

# Class InputNumberAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class InputNumberAttribute : NumberAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [NumberAttributeBase](#) ← [InputNumberAttribute](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[NumberAttributeBase.Max](#), [NumberAttributeBase.Min](#), [NumberAttributeBase.AllowNegative](#),  
[NumberAttributeBase.Precision](#), [NumberAttributeBase.Step](#), [NumberAttributeBase.Format](#),  
[NumberAttributeBase.RefreshDelay](#), [FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#),  
[FieldAttributeBase.Help](#), [FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#),  
[FieldAttributeBase.Required](#), [FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#),  
[FieldAttributeBase.DefaultValue](#), [FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#),  
[FieldAttributeBase.Prefix](#), [FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#),  
[FieldAttributeBase.VisibleInTable](#), [FieldAttributeBase.AllowEnumType\(\)](#),  
[FieldAttributeBase.AllowClassType\(\)](#), [FieldAttributeBase.IsArrayType\(\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),

[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttributes\(Assembly\)](#) ,  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Methods

### GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns

[Type](#)[]

# Enum InputType

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] { InputType.Text })]  
public enum InputType
```

## Fields

Email = 1

Password = 2

Regex = 5

Tel = 3

Text = 0

Url = 4

# Class MonthPickerAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class MonthPickerAttribute : DateAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [DateAttributeBase](#) ← MonthPickerAttribute

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[DateAttributeBase.MinDateTime](#), [DateAttributeBase.MaxDateTime](#), [DateAttributeBase.GetBasicTypes\(\)](#),  
[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),

[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class NumberAttributeBase

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class NumberAttributeBase : FieldAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← NumberAttributeBase

## Implements

[Attribute](#), [IFieldAttribute](#)

## Derived

[InputNumberAttribute](#), [SliderAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
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[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),

[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttributes\(Assembly\)](#) ,  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### AllowNegative

```
public bool AllowNegative { get; set; }
```

#### Property Value

[bool](#)

### Format

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

#### Property Value

[string](#)

### Max

```
public double Max { get; set; }
```

#### Property Value

[double](#)

## Min

```
public double Min { get; set; }
```

### Property Value

[double ↗](#)

## Precision

```
public int Precision { get; set; }
```

### Property Value

[int ↗](#)

## RefreshDelay

```
public bool RefreshDelay { get; }
```

### Property Value

[bool ↗](#)

## Step

```
public double Step { get; set; }
```

### Property Value

[double ↗](#)

## Methods

## GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns

[Type](#)[]

# Class RadioGroupAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class RadioGroupAttribute : WithOptionsAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [WithOptionsAttributeBase](#) ← [RadioGroupAttribute](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[WithOptionsAttributeBase.Options](#), [WithOptionsAttributeBase.ValidateOptionValueInBackend](#),  
[WithOptionsAttributeBase.OptionsWithLabel](#), [WithOptionsAttributeBase.AllowEnumType\(\)](#),  
[WithOptionsAttributeBase.GetBasicTypes\(\)](#), [FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#),  
[FieldAttributeBase.Help](#), [FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#),  
[FieldAttributeBase.Required](#), [FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#),  
[FieldAttributeBase.DefaultValue](#), [FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#),  
[FieldAttributeBase.Prefix](#), [FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#),  
[FieldAttributeBase.VisibleInTable](#), [FieldAttributeBase.AllowClassType\(\)](#), [FieldAttributeBase.IsArrayType\(\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),

[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class SelectAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class SelectAttribute : WithOptionsAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [WithOptionsAttributeBase](#) ← [SelectAttribute](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[WithOptionsAttributeBase.Options](#), [WithOptionsAttributeBase.ValidateOptionValueInBackend](#),  
[WithOptionsAttributeBase.OptionsWithLabel](#), [WithOptionsAttributeBase.AllowEnumType\(\)](#),  
[WithOptionsAttributeBase.GetBasicTypes\(\)](#), [FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#),  
[FieldAttributeBase.Help](#), [FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#),  
[FieldAttributeBase.Required](#), [FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#),  
[FieldAttributeBase.DefaultValue](#), [FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#),  
[FieldAttributeBase.Prefix](#), [FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#),  
[FieldAttributeBase.VisibleInTable](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),

[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### Mode

```
public SelectAttribute.SelectMode Mode { get; set; }
```

#### Property Value

[SelectAttribute.SelectMode](#)

## Methods

### IsArrayType()

.PropertyType for this attribute is an array of enum or a basic type

```
public override bool IsArrayType()
```

#### Returns

[bool](#)

# Enum SelectAttribute.SelectMode

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {  
    SelectAttribute.SelectMode.Default })]  
public enum SelectAttribute.SelectMode
```

## Fields

Default = 0

Multiple = 1

# Class SliderAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class SliderAttribute : NumberAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [NumberAttributeBase](#) ← SliderAttribute

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[NumberAttributeBase.Max](#), [NumberAttributeBase.Min](#), [NumberAttributeBase.AllowNegative](#),  
[NumberAttributeBase.Precision](#), [NumberAttributeBase.Step](#), [NumberAttributeBase.Format](#),  
[NumberAttributeBase.RefreshDelay](#), [NumberAttributeBase.GetBasicTypes\(\)](#), [FieldAttributeBase.Label](#),  
[FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#), [FieldAttributeBase.Visible](#),  
[FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#), [FieldAttributeBase.Order](#),  
[FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#), [FieldAttributeBase.Defaulting](#),  
[FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#), [FieldAttributeBase.Appendix](#),  
[FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#), [FieldAttributeBase.AllowEnumType\(\)](#),  
[FieldAttributeBase.AllowClassType\(\)](#), [FieldAttributeBase.IsArrayType\(\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),

[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttributes\(Assembly\)](#) ,  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### Marks

```
public Dictionary<double, string> Marks { get; set; }
```

### Property Value

[Dictionary](#)<[double](#), [string](#)>

# Class SubFormAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class SubFormAttribute : SubFormAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [SubFormAttributeBase](#) ← [SubFormAttribute](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[SubFormAttributeBase.Collapsible](#), [SubFormAttributeBase.AllowClassType\(\)](#), [FieldAttributeBase.Label](#),  
[FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#), [FieldAttributeBase.Visible](#),  
[FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#), [FieldAttributeBase.Order](#),  
[FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#), [FieldAttributeBase.Defaulting](#),  
[FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#), [FieldAttributeBase.Appendix](#),  
[FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.GetBasicTypes\(\)](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.IsArrayType\(\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),

[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### Collapsed

```
public bool Collapsed { get; set; }
```

#### Property Value

[bool](#)

# Class SubFormAttributeBase

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class SubFormAttributeBase : FieldAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [SubFormAttributeBase](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Derived

[SubFormAttribute](#), [SubFormsAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.GetBasicTypes\(\)](#), [FieldAttributeBase.AllowEnumType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),

[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttributes\(Assembly\)](#) ,  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### Collapsible

```
public bool Collapsible { get; set; }
```

#### Property Value

[bool](#)

## Methods

### AllowClassType()

.PropertyType for this attribute can be a class, that contains at least one property with a FieldAttribute

```
public override bool AllowClassType()
```

#### Returns

[bool](#)

# Class SubFormsAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class SubFormsAttribute : SubFormAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [SubFormAttributeBase](#) ← SubFormsAttribute

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[SubFormAttributeBase.Collapsible](#), [SubFormAttributeBase.AllowClassType\(\)](#), [FieldAttributeBase.Label](#),  
[FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#), [FieldAttributeBase.Visible](#),  
[FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#), [FieldAttributeBase.Order](#),  
[FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#), [FieldAttributeBase.Defaulting](#),  
[FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#), [FieldAttributeBase.Appendix](#),  
[FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.GetBasicTypes\(\)](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),  
[Attribute.IsDefined\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttribute\(Assembly, Type\)](#),

[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### AddLabel

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

Property Value

[string](#)

### DefaultItemValue

```
public object DefaultItemValue { get; set; }
```

Property Value

[object](#)

### MaxItems

```
public int MaxItems { get; set; }
```

Property Value

[int](#)

### MinItems

```
public int MinItems { get; set; }
```

Property Value

[int](#)

## Methods

**IsArrayType()**

.PropertyType for this attribute is an array of enum or a basic type

```
public override bool IsArrayType()
```

Returns

[bool](#)

# Class SwitchAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class SwitchAttribute : FieldAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← SwitchAttribute

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),  
[Attribute.IsDefined\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttribute\(Assembly, Type\)](#),

[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### CheckedIcon

`public string CheckedIcon { get; set; }`

#### Property Value

[string](#)

### CheckedTooltip

`public string CheckedTooltip { get; set; }`

#### Property Value

[string](#)

### PrimaryColoring

`public bool PrimaryColoring { get; set; }`

#### Property Value

[bool](#)

### SuccessDangerColoring

```
public bool SuccessDangerColoring { get; set; }
```

Property Value

[bool](#)

## UncheckedIcon

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

Property Value

[string](#)

## UncheckedTooltip

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

Property Value

[string](#)

# Methods

## GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns

[Type](#)[]

# Class TextAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class TextAttribute : FieldAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← TextAttribute

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),  
[Attribute.IsDefined\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttribute\(Assembly, Type\)](#),

[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Methods

### GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns

[Type](#)[]

# Class TextAttributeBase

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class TextAttributeBase : FieldAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [TextAttributeBase](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Derived

[InputAttribute](#), [TextareaAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),

[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttributes\(Assembly\)](#) ,  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### MaxLength

```
public int MaxLength { get; set; }
```

#### Property Value

[int](#)

### MinLength

```
public int MinLength { get; set; }
```

#### Property Value

[int](#)

### Placeholder

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

#### Property Value

[string](#)

## RefreshDelay

```
public bool RefreshDelay { get; }
```

Property Value

[bool](#)

## Methods

### GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns

[Type](#)[]

# Class TextareaAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class TextareaAttribute : TextAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [TextAttributeBase](#) ← [TextareaAttribute](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[TextAttributeBase.Placeholder](#), [TextAttributeBase.MinLength](#), [TextAttributeBase.MaxLength](#),  
[TextAttributeBase.RefreshDelay](#), [TextAttributeBase.GetBasicTypes\(\)](#), [FieldAttributeBase.Label](#),  
[FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#), [FieldAttributeBase.Visible](#),  
[FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#), [FieldAttributeBase.Order](#),  
[FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#), [FieldAttributeBase.Defaulting](#),  
[FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#), [FieldAttributeBase.Appendix](#),  
[FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#), [FieldAttributeBase.AllowEnumType\(\)](#),  
[FieldAttributeBase.AllowClassType\(\)](#), [FieldAttributeBase.IsArrayType\(\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),

[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### MaxRows

```
public int MaxRows { get; set; }
```

Property Value

[int](#)

### MinRows

```
public int MinRows { get; set; }
```

Property Value

[int](#)

# Class TimePickerAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class TimePickerAttribute : FieldAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← TimePickerAttribute

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),  
[Attribute.IsDefined\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttribute\(Assembly, Type\)](#),

[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Methods

### GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns

[Type](#)[]

# Class TreeItem

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class TreeItem
```

## Inheritance

[object](#) ← TreeItem

## Inherited Members

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

# Properties

## Children

```
public List<TreeItem> Children { get; set; }
```

## Property Value

[List](#)<[TreeItem](#)>

## Label

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

## Property Value

[string](#)

## Section

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

Property Value

[string](#) ↗

Value

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

Property Value

[string](#) ↗

# Class TreeSelectAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class TreeSelectAttribute : FieldAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [TreeSelectAttribute](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),  
[Attribute.IsDefined\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttribute\(Assembly, Type\)](#),

[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### Mode

```
public TreeSelectAttribute.TreeSelectionMode Mode { get; set; }
```

#### Property Value

[TreeSelectAttribute.TreeSelectionMode](#)

### ParentCheckStrategy

```
public bool ParentCheckStrategy { get; set; }
```

#### Property Value

[bool](#)

### Tree

```
public List<TreeItem> Tree { get; set; }
```

#### Property Value

[List](#) <[TreeItem](#)>

### ValidateTreeValueInBackend

```
public bool ValidateTreeValueInBackend { get; set; }
```

Property Value

[bool](#)

## Methods

### GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns

[Type](#)[]

### GetTreeValues(TreeItem[])

```
public string[] GetTreeValues(TreeItem[] treeItems = null)
```

Parameters

[treeItems](#) [TreeItem](#)[]

Returns

[string](#)[]

### IsArrayType()

.PropertyType for this attribute is an array of enum or a basic type

```
public override bool IsArrayType()
```

Returns

[bool](#) ↗

# Enum TreeSelectAttribute.TreeSelectMode

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
[JsonConverter(typeof(StringEnumWithDefaultConverter), new object[] {  
    TreeSelectAttribute.TreeSelectMode.Default })]  
public enum TreeSelectAttribute.TreeSelectMode
```

## Fields

Default = 0

Multiple = 1

# Class ValidationAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class ValidationAttribute : AssistanceAttributeBase, _Attribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [AssistanceAttributeBase](#) ← ValidationAttribute

## Implements

[Attribute](#)

## Inherited Members

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

## Constructors

ValidationAttribute(Type, Dictionary<string, string>, AssistanceExecution)

```
[JsonConstructor]
public ValidationAttribute(Type innerType, Dictionary<string, string> inputMappings,
AssistanceExecution execution = AssistanceExecution.Always)
```

Parameters

innerType [Type](#)

inputMappings [Dictionary](#)<[string](#), [string](#)>

execution [AssistanceExecution](#)

ValidationAttribute(Type, string[], AssistanceExecution)

```
public ValidationAttribute(Type validatorType, string[] inputs, AssistanceExecution
execution = AssistanceExecution.Always)
```

Parameters

validatorType [Type](#)

inputs [string](#)[]

execution [AssistanceExecution](#)

# Class WeekPickerAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class WeekPickerAttribute : DateAttributeBase, _Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [DateAttributeBase](#) ← WeekPickerAttribute

## Implements

[Attribute](#), [IFieldAttribute](#)

## Inherited Members

[DateAttributeBase.MinDateTime](#), [DateAttributeBase.MaxDateTime](#), [DateAttributeBase.GetBasicTypes\(\)](#),  
[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowEnumType\(\)](#), [FieldAttributeBase.AllowClassType\(\)](#),  
[FieldAttributeBase.IsArrayType\(\)](#), [Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#), [Attribute.GetCustomAttributes\(Assembly\)](#),  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#), [Attribute.IsDefined\(Assembly, Type\)](#),

[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

# Class WithOptionsAttributeBase

Namespace: [MES.MQC.UtilityLibrary.Form.Attributes.Field](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class WithOptionsAttributeBase : FieldAttributeBase,  
_Attribute, IFieldAttribute
```

## Inheritance

[object](#) ← [Attribute](#) ← [FieldAttributeBase](#) ← [WithOptionsAttributeBase](#)

## Implements

[Attribute](#), [IFieldAttribute](#)

## Derived

[CheckboxGroupAttribute](#), [RadioGroupAttribute](#), [SelectAttribute](#)

## Inherited Members

[FieldAttributeBase.Label](#), [FieldAttributeBase.LabelHidden](#), [FieldAttributeBase.Help](#),  
[FieldAttributeBase.Visible](#), [FieldAttributeBase.VisibleInView](#), [FieldAttributeBase.Required](#),  
[FieldAttributeBase.Order](#), [FieldAttributeBase.Disabled](#), [FieldAttributeBase.DefaultValue](#),  
[FieldAttributeBase.Defaulting](#), [FieldAttributeBase.Preview](#), [FieldAttributeBase.Prefix](#),  
[FieldAttributeBase.Appendix](#), [FieldAttributeBase.SizeTypeInTable](#), [FieldAttributeBase.VisibleInTable](#),  
[FieldAttributeBase.AllowClassType\(\)](#), [FieldAttributeBase.IsArrayType\(\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(MemberInfo\)](#), [Attribute.GetCustomAttributes\(MemberInfo, bool\)](#),  
[Attribute.IsDefined\(MemberInfo, Type\)](#), [Attribute.IsDefined\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(MemberInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo\)](#), [Attribute.GetCustomAttributes\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(ParameterInfo, bool\)](#), [Attribute.IsDefined\(ParameterInfo, Type\)](#),  
[Attribute.IsDefined\(ParameterInfo, Type, bool\)](#), [Attribute.GetCustomAttribute\(ParameterInfo, Type\)](#),  
[Attribute.GetCustomAttribute\(ParameterInfo, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Module, Type\)](#), [Attribute.GetCustomAttributes\(Module\)](#),  
[Attribute.GetCustomAttributes\(Module, bool\)](#), [Attribute.GetCustomAttributes\(Module, Type, bool\)](#),  
[Attribute.IsDefined\(Module, Type\)](#), [Attribute.IsDefined\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttribute\(Module, Type\)](#), [Attribute.GetCustomAttribute\(Module, Type, bool\)](#),  
[Attribute.GetCustomAttributes\(Assembly, Type\)](#),

[Attribute.GetCustomAttributes\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttributes\(Assembly\)](#) ,  
[Attribute.GetCustomAttributes\(Assembly, bool\)](#) , [Attribute.IsDefined\(Assembly, Type\)](#) ,  
[Attribute.IsDefined\(Assembly, Type, bool\)](#) , [Attribute.GetCustomAttribute\(Assembly, Type\)](#) ,  
[Attribute.GetCustomAttribute\(Assembly, Type, bool\)](#) , [Attribute.Equals\(object\)](#) ,  
[Attribute.GetHashCode\(\)](#) , [Attribute.Match\(object\)](#) , [Attribute.IsDefaultAttribute\(\)](#) ,  
[Attribute.TypeId](#) , [object.ToString\(\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#)

## Properties

### Options

```
public string[] Options { get; set; }
```

Property Value

[string](#)[]

### OptionsWithLabel

```
[JsonIgnore]  
public OptionWithLabel[] OptionsWithLabel { get; set; }
```

Property Value

[OptionWithLabel](#)[]

### ValidateOptionValueInBackend

```
public bool ValidateOptionValueInBackend { get; set; }
```

Property Value

[bool](#)

# Methods

## AllowEnumType()

.PropertyType for this attribute can be a enum

```
public override bool AllowEnumType()
```

Returns

[bool](#)

## GetBasicTypes()

Allowed basic types for PropertyType

```
public override Type[] GetBasicTypes()
```

Returns

[Type](#)[]

# Namespace MES.MQC.UtilityLibrary.Form. Augmenter

## Classes

[DisabledAugmenter](#)

[NotDisabledAugmenter](#)

[NotVisibleAugmenter](#)

[NotVisibleInTableAugmenter](#)

[RequiredFromParentAugmenter](#)

[VisibleAugmenter](#)

[VisibleInTableAugmenter](#)

# Class DisabledAugmenter

Namespace: [MES.MQC.UtilityLibrary.Form.Augmenter](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class DisabledAugmenter : FormFieldAugmenter<IFormAdapter,  
FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

[object](#) ← [FormFieldAssistantBase<IFormAdapter>](#) ←  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>](#) ← DisabledAugmenter

## Implements

[IFormFieldAssistant](#)

## Inherited Members

[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure\(IFieldAttribute\)](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Adapter](#) , [FormFieldAssistantBase<IFormAdapter>.FieldPath](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Context](#) ,  
[FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Assistance](#) , [FormFieldAssistantBase<IFormAdapter>.Identifier](#) ,  
[FormFieldAssistantBase<IFormAdapter>.CacheKey](#) ,  
[FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddFieldError\(string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### Disabled

```
public bool Disabled { get; set; }
```

Property Value

[bool](#) ↗

## Methods

Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldConfig)
```

Parameters

[fieldConfig](#) [FieldAttributeBase](#)

# Class NotDisabledAugmenter

Namespace: [MES.MQC.UtilityLibrary.Form.Augmenter](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class NotDisabledAugmenter : FormFieldAugmenter<IFormAdapter,  
FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

[object](#) ← [FormFieldAssistantBase<IFormAdapter>](#) ←  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>](#) ← NotDisabledAugmenter

## Implements

[IFormFieldAssistant](#)

## Inherited Members

[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure\(IFieldAttribute\)](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Adapter](#) , [FormFieldAssistantBase<IFormAdapter>.FieldPath](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Context](#) ,  
[FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Assistance](#) , [FormFieldAssistantBase<IFormAdapter>.Identifier](#) ,  
[FormFieldAssistantBase<IFormAdapter>.CacheKey](#) ,  
[FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddFieldError\(string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### NotDisabled

```
public bool NotDisabled { get; set; }
```

Property Value

[bool](#) ↗

## Methods

Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldConfig)
```

Parameters

[fieldConfig](#) [FieldAttributeBase](#)

# Class NotVisibleAugmenter

Namespace: [MES.MQC.UtilityLibrary.Form.Augmenter](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class NotVisibleAugmenter : FormFieldAugmenter<IFormAdapter,  
FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

```
object ↗ ← FormFieldAssistantBase<IFormAdapter> ←  
FormFieldAugmenter<IFormAdapter, FieldAttributeBase> ← NotVisibleAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure(IFieldAttribute),  
FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure(FieldAttributeBase),  
FormFieldAssistantBase<IFormAdapter>.Adapter, FormFieldAssistantBase<IFormAdapter>.FieldPath,  
FormFieldAssistantBase<IFormAdapter>.Context,  
FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment,  
FormFieldAssistantBase<IFormAdapter>.Assistance, FormFieldAssistantBase<IFormAdapter>.Identifier,  
FormFieldAssistantBase<IFormAdapter>.CacheKey,  
FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAssistantBase<IFormAdapter>.AddFieldError(string),  
FormFieldAssistantBase<IFormAdapter>.AddError(string, string),  
FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse(RestResponse, string),  
object.ToString() ↗, object.Equals(object) ↗, object.Equals(object, object) ↗,  
object.ReferenceEquals(object, object) ↗, object.GetHashCode() ↗, object.GetType() ↗,  
object.MemberwiseClone() ↗
```

## Properties

### NotVisible

```
public bool NotVisible { get; set; }
```

Property Value

[bool](#) ↗

## Methods

Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldConfig)
```

Parameters

[fieldConfig](#) [FieldAttributeBase](#)

# Class NotVisibleInTableAugmenter

Namespace: [MES.MQC.UtilityLibrary.Form.Augmenter](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class NotVisibleInTableAugmenter : FormFieldAugmenter<IFormAdapter,  
FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

```
object ↪ ← FormFieldAssistantBase<IFormAdapter> ←  
FormFieldAugmenter<IFormAdapter, FieldAttributeBase> ← NotVisibleInTableAugmenter
```

## Implements

[IFormFieldAssistant](#)

## Inherited Members

```
FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure(IFieldAttribute),  
FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure(FieldAttributeBase),  
FormFieldAssistantBase<IFormAdapter>.Adapter, FormFieldAssistantBase<IFormAdapter>.FieldPath,  
FormFieldAssistantBase<IFormAdapter>.Context,  
FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment,  
FormFieldAssistantBase<IFormAdapter>.Assistance, FormFieldAssistantBase<IFormAdapter>.Identifier,  
FormFieldAssistantBase<IFormAdapter>.CacheKey,  
FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey(FieldAttributeBase),  
FormFieldAssistantBase<IFormAdapter>.AddFieldError(string),  
FormFieldAssistantBase<IFormAdapter>.AddError(string, string),  
FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse(RestResponse, string),  
object.ToString() ↪ , object.Equals(object) ↪ , object.Equals(object, object) ↪ ,  
object.ReferenceEquals(object, object) ↪ , object.GetHashCode() ↪ , object.GetType() ↪ ,  
object.MemberwiseClone() ↪
```

## Properties

### NotVisible

```
public bool NotVisible { get; set; }
```

Property Value

[bool](#) ↗

## Methods

Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldConfig)
```

Parameters

[fieldConfig](#) [FieldAttributeBase](#)

# Class RequiredFromParentAugmenter

Namespace: [MES.MQC.UtilityLibrary.Form.Augmenter](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class RequiredFromParentAugmenter : FormFieldAugmenterWithParents<IFormAdapter,  
FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

[object](#) ← [FormFieldAssistantBase<IFormAdapter>](#) ←  
[FormFieldAugmenterWithParents<IFormAdapter, FieldAttributeBase>](#) ← RequiredFromParentAugmenter

## Implements

[IFormFieldAssistant](#)

## Inherited Members

[FormFieldAugmenterWithParents<IFormAdapter, FieldAttributeBase>.Configure\(IFieldAttribute, FieldAttributeBase\[\]\)](#) ,  
[FormFieldAugmenterWithParents<IFormAdapter, FieldAttributeBase>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAugmenterWithParents<IFormAdapter, FieldAttributeBase>.Configure\(FieldAttributeBase, FieldAttributeBase\[\]\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Adapter](#) , [FormFieldAssistantBase<IFormAdapter>.FieldPath](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Context](#) ,  
[FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Assistance](#) , [FormFieldAssistantBase<IFormAdapter>.Identifier](#) ,  
[FormFieldAssistantBase<IFormAdapter>.CacheKey](#) ,  
[FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddFieldError\(string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Methods

[Configure\(FieldAttributeBase, FieldAttributeBase\[\]\)](#)

```
public override void Configure(FieldAttributeBase fieldConfig, FieldAttributeBase[] parents)
```

## Parameters

fieldConfig [FieldAttributeBase](#)

parents [FieldAttributeBase](#)[]

# Class VisibleAugmenter

Namespace: [MES.MQC.UtilityLibrary.Form.Augmenter](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class VisibleAugmenter : FormFieldAugmenter<IFormAdapter,  
FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

[object](#) ← [FormFieldAssistantBase<IFormAdapter>](#) ←  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>](#) ← [VisibleAugmenter](#)

## Implements

[IFormFieldAssistant](#)

## Inherited Members

[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure\(IFieldAttribute\)](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Adapter](#) , [FormFieldAssistantBase<IFormAdapter>.FieldPath](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Context](#) ,  
[FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Assistance](#) , [FormFieldAssistantBase<IFormAdapter>.Identifier](#) ,  
[FormFieldAssistantBase<IFormAdapter>.CacheKey](#) ,  
[FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddFieldError\(string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### Visible

```
public bool Visible { get; set; }
```

Property Value

[bool](#) ↗

## Methods

Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldConfig)
```

Parameters

[fieldConfig](#) [FieldAttributeBase](#)

# Class VisibleInTableAugmenter

Namespace: [MES.MQC.UtilityLibrary.Form.Augmenter](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class VisibleInTableAugmenter : FormFieldAugmenter<IFormAdapter,  
FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

[object](#) ← [FormFieldAssistantBase<IFormAdapter>](#) ←  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>](#) ← [VisibleInTableAugmenter](#)

## Implements

[IFormFieldAssistant](#)

## Derived

[ArtifactNameVisibleInTableAugmenter](#), [ArtifactNameVisibleInTableAugmenter](#)

## Inherited Members

[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure\(IFieldAttribute\)](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAugmenter<IFormAdapter, FieldAttributeBase>.Configure\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Adapter](#) , [FormFieldAssistantBase<IFormAdapter>.FieldPath](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Context](#) ,  
[FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Assistance](#) , [FormFieldAssistantBase<IFormAdapter>.Identifier](#) ,  
[FormFieldAssistantBase<IFormAdapter>.CacheKey](#) ,  
[FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddFieldError\(string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### Visible

```
public bool Visible { get; set; }
```

Property Value

[bool](#)

## Methods

Configure(FieldAttributeBase)

```
public override void Configure(FieldAttributeBase fieldConfig)
```

Parameters

[fieldConfig](#) [FieldAttributeBase](#)

# Namespace MES.MQC.UtilityLibrary.Form.Interfaces

## Interfaces

[IFieldAttribute](#)

[IFormAdapter](#)

[IFormContext<TForm>](#)

[IFormFieldAssistant](#)

# Interface IFieldAttribute

Namespace: [MES.MQC.UtilityLibrary.Form.Interfaces](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public interface IFieldAttribute
```

# Interface IFormAdapter

Namespace: [MES.MQC.UtilityLibrary.Form.Interfaces](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public interface IFormAdapter
```

## Properties

### Description

```
string Description { get; }
```

#### Property Value

[string](#) ↗

### Name

```
string Name { get; }
```

#### Property Value

[string](#) ↗

# Interface IFormContext<TForm>

Namespace: [MES.MQC.UtilityLibrary.Form.Interfaces](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public interface IFormContext<out TForm> where TForm : Form
```

Type Parameters

TForm

## Properties

Form

```
TForm Form { get; }
```

Property Value

TForm

# Interface IFormFieldAssistant

Namespace: [MES.MQC.UtilityLibrary.Form.Interfaces](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public interface IFormFieldAssistant
```

## Properties

### Assistance

```
AssistanceAttributeBase Assistance { get; }
```

### Property Value

[AssistanceAttributeBase](#)

### CacheKey

```
string CacheKey { get; }
```

### Property Value

[string](#)

### Context

```
IFormContext<Form> Context { get; }
```

### Property Value

[IFormContext<Form>](#)

# ExecutionEnvironment

```
FormSchemaGenerator.ExecutionEnvironment ExecutionEnvironment { get; }
```

Property Value

[FormSchemaGenerator.ExecutionEnvironment](#)

## FieldPath

```
string FieldPath { get; }
```

Property Value

[string](#)

## Identifier

```
string Identifier { get; }
```

Property Value

[string](#)

## Methods

### InitializeCacheKey(FieldAttributeBase)

```
void InitializeCacheKey(FieldAttributeBase fieldConfig)
```

Parameters

[fieldConfig](#) [FieldAttributeBase](#)

# Namespace MES.MQC.UtilityLibrary.Form.Models

## Classes

[Form](#)

[FormAdapter](#)

[FormContext](#)

[FormError](#)

[FormPreview](#)

# Class Form

Namespace: [MES.MQC.UtilityLibrary.Form.Models](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class Form
```

## Inheritance

[object](#) ← Form

## Derived

[DataLocationFormBase](#), [ExportForm](#)

## Inherited Members

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

# Constructors

## Form()

```
protected Form()
```

# Properties

## Errors

```
[YamlIgnore]  
public Dictionary<string, FormError> Errors { get; set; }
```

## Property Value

[Dictionary](#)<[string](#), [FormError](#)>

## FormHash

```
[YamlIgnore]  
public string FormHash { get; }
```

Property Value

[string](#) ↗

## FormSchema

```
[YamlIgnore]  
public FormSchema FormSchema { get; set; }
```

Property Value

[FormSchema](#)

## Type

```
[YamlIgnore]  
[JsonProperty(Required = Required.Always, Order = -2147483648, PropertyName = "$type")]  
public string Type { get; set; }
```

Property Value

[string](#) ↗

## Methods

### AddError(string, string, string)

```
public void AddError(string key, string message, string description)
```

Parameters

key [string](#)

message [string](#)

description [string](#)

## AddFieldError(string, string, string)

```
public void AddFieldError(string key, string fieldPath, string message)
```

### Parameters

key [string](#)

fieldPath [string](#)

message [string](#)

## RemoveError(string)

```
public void RemoveError(string key)
```

### Parameters

key [string](#)

# Class FormAdapter

Namespace: [MES.MQC.UtilityLibrary.Form.Models](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class FormAdapter : IFormAdapter
```

## Inheritance

[object](#) ← FormAdapter

## Implements

[IFormAdapter](#)

## Inherited Members

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

# Properties

## Description

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

## Property Value

[string](#)

## Name

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

## Property Value

[string](#)

# Methods

ExecuteCachedInForm<T>(IFormContext<Form>, object[], Func<T>)

```
public T ExecuteCachedInForm<T>(IFormContext<Form> context, object[] arguments,  
Func<T> lambda)
```

Parameters

context [IFormContext<Form>](#)

arguments [object](#)[]

lambda [Func](#)<T>

Returns

T

Type Parameters

T

# Class FormContext

Namespace: [MES.MQC.UtilityLibrary.Form.Models](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class FormContext : IFormContext<Form>
```

## Inheritance

[object](#) ← FormContext

## Implements

[IFormContext<Form>](#)

## Inherited Members

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

## Constructors

FormContext(Form, string, IProgressManager)

```
public FormContext(Form form, string appDataPath = null, IProgressManager progressManager  
= null)
```

## Parameters

form [Form](#)

appDataPath [string](#)

progressManager [IProgressManager](#)

## Properties

AppDataPath

```
public string AppDataPath { get; }
```

Property Value

[string](#)

Form

```
public Form Form { get; }
```

Property Value

[Form](#)

MessageBag

```
public MessageBag MessageBag { get; }
```

Property Value

[MessageBag](#)

ProgressManager

```
public IProgressManager ProgressManager { get; }
```

Property Value

[IProgressManager](#)

# Class FormError

Namespace: [MES.MQC.UtilityLibrary.Form.Models](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class FormError
```

## Inheritance

[object](#) ← FormError

## Inherited Members

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

# Properties

## Description

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

### Property Value

[string](#)

## FieldPath

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

### Property Value

[string](#)

## Message

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

Property Value

[string](#) ↗

# Class FormPreview

Namespace: [MES.MQC.UtilityLibrary.Form.Models](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class FormPreview
```

## Inheritance

[object](#) ← FormPreview

## Inherited Members

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

# Properties

## DateTime

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

## Property Value

[DateTime](#)?

## Description

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

## Property Value

[string](#)

## DescriptionAsHtml

```
public bool DescriptionAsHtml { get; set; }
```

Property Value

[bool](#)

Title

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

Property Value

[string](#)

# Namespace MES.MQC.UtilityLibrary.Form.Models.Schema

## Classes

[FieldSchema](#)

[FormSchema](#)

# Class FieldSchema

Namespace: [MES.MQC.UtilityLibrary.Form.Models.Schema](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class FieldSchema
```

## Inheritance

[object](#) ← FieldSchema

## Inherited Members

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

# Properties

## Augmentations

```
public List<AugmentationAttribute> Augmentations { get; set; }
```

## Property Value

[List](#)<[AugmentationAttribute](#)>

## Config

```
public FieldAttributeBase Config { get; set; }
```

## Property Value

[FieldAttributeBase](#)

## ConfigBeforeAugmentation

```
public FieldAttributeBase ConfigBeforeAugmentation { get; set; }
```

Property Value

[FieldAttributeBase](#)

IsGeneric

```
public bool IsGeneric { get; set; }
```

Property Value

[bool](#)

this[int]

```
public FormSchema this[int index] { get; }
```

Parameters

[index int](#)

Property Value

[FormSchema](#)

this[string]

```
public FieldSchema this[string fieldPath] { get; }
```

Parameters

[fieldPath string](#)

Property Value

[FieldSchema](#)

Name

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

Property Value

[string](#)

RefreshOnModified

```
public bool RefreshOnModified { get; set; }
```

Property Value

[bool](#)

Schema

```
public FormSchema Schema { get; set; }
```

Property Value

[FormSchema](#)

Schemas

```
public Dictionary<int, FormSchema> Schemas { get; set; }
```

Property Value

[Dictionary](#) <[int](#), [FormSchema](#)>

## Type

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

### Property Value

[string](#)

## Validations

```
public List<ValidationAttribute> Validations { get; set; }
```

### Property Value

[List](#) <[ValidationAttribute](#)>

# Class FormSchema

Namespace: [MES.MQC.UtilityLibrary.Form.Models.Schema](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class FormSchema
```

## Inheritance

[object](#) ← FormSchema

## Inherited Members

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

## Properties

### Cached

```
public Dictionary<string, object> Cached { get; }
```

#### Property Value

[Dictionary](#)<[string](#), [dynamic](#)>

### CachedErrors

```
public Dictionary<string, FormError> CachedErrors { get; }
```

#### Property Value

[Dictionary](#)<[string](#), [FormError](#)>

### CachedFieldConfigs

```
public Dictionary<string, FieldAttributeBase> CachedFieldConfigs { get; }
```

## Property Value

[Dictionary](#)<[string](#), [FieldAttributeBase](#)>

## CachedFieldValids

```
public Dictionary<string, bool> CachedFieldValids { get; }
```

## Property Value

[Dictionary](#)<[string](#), [bool](#)>

## Config

```
public FormAttribute Config { get; set; }
```

## Property Value

[FormAttribute](#)

## Description

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

## Property Value

[string](#)

## Fields

```
public List<FieldSchema> Fields { get; set; }
```

Property Value

[List](#)<[FieldSchema](#)>

## FormType

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

Property Value

[string](#)

## IsGeneric

```
public bool IsGeneric { get; set; }
```

Property Value

[bool](#)

## this[string]

```
public FieldSchema this[string fieldPath] { get; }
```

Parameters

**fieldPath** [string](#)

Property Value

[FieldSchema](#)

## Name

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

## Property Value

[string](#)

## Methods

### GetField(string)

```
public FieldSchema GetField(string fieldName)
```

#### Parameters

[fieldName](#) [string](#)

#### Returns

[FieldSchema](#)

### GetFieldConfig(string)

```
public FieldAttributeBase GetFieldConfig(string fieldName)
```

#### Parameters

[fieldName](#) [string](#)

#### Returns

[FieldAttributeBase](#)

### GetFieldConfig<T>(string)

```
public T GetFieldConfig<T>(string fieldName) where T : FieldAttributeBase
```

Parameters

fieldName [string](#) ↗

Returns

T

Type Parameters

T

## GetFieldSchema(string, int?)

```
public FormSchema GetFieldSchema(string fieldName, int? index = null)
```

Parameters

fieldName [string](#) ↗

index [int](#) ↗?

Returns

[FormSchema](#)

# Namespace MES.MQC.UtilityLibrary.Form.Models.Types

## Classes

[OptionWithLabel](#)

# Class OptionWithLabel

Namespace: [MES.MQC.UtilityLibrary.Form.Models.Types](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public class OptionWithLabel
```

## Inheritance

[object](#) ← OptionWithLabel

## Derived

[FieldSelectOption](#), [IssueTypeSelectOption](#), [ProjectSelectOption](#)

## Inherited Members

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

## Constructors

### OptionWithLabel()

```
public OptionWithLabel()
```

### OptionWithLabel(string)

```
public OptionWithLabel(string value)
```

## Parameters

**value** [string](#)

### OptionWithLabel(string, string)

```
public OptionWithLabel(string label, string value)
```

## Parameters

label [string](#)

value [string](#)

## Properties

### Label

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

### Property Value

[string](#)

### Value

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

### Property Value

[string](#)

# Namespace MES.MQC.UtilityLibrary.Form.Validators

## Classes

[DuplicateValidatorBase<TItem>](#)

[MatchRegexValidatorBase](#)

# Class DuplicateValidatorBase<TItem>

Namespace: [MES.MQC.UtilityLibrary.FormValidators](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class DuplicateValidatorBase<TItem> : FormFieldValidator<IFormAdapter,
FieldAttributeBase>, IFormFieldAssistant
```

## Type Parameters

**TItem**

## Inheritance

```
object ↗ ← FormFieldAssistantBase<IFormAdapter> ←
FormFieldValidator<IFormAdapter, FieldAttributeBase> ← DuplicateValidatorBase<TItem>
```

## Implements

[IFormFieldAssistant](#)

## Derived

```
ProjectBranchesArtifactNameDuplicateValidator, ProjectBranchesDuplicateValidator,
JobsArtifactNameDuplicateValidator, JobsDuplicateValidator, ProjectRepositoriesDuplicateValidator
```

## Inherited Members

```
FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate(IFieldAttribute),
FormFieldValidator<IFormAdapter, FieldAttributeBase>.InitializeCacheKey(FieldAttributeBase),
FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate(FieldAttributeBase),
FormFieldAssistantBase<IFormAdapter>.Adapter, FormFieldAssistantBase<IFormAdapter>.FieldPath,
FormFieldAssistantBase<IFormAdapter>.Context,
FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment,
FormFieldAssistantBase<IFormAdapter>.Assistance, FormFieldAssistantBase<IFormAdapter>.Identifier,
FormFieldAssistantBase<IFormAdapter>.CacheKey,
FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey(FieldAttributeBase),
FormFieldAssistantBase<IFormAdapter>.AddFieldError(string),
FormFieldAssistantBase<IFormAdapter>.AddError(string, string),
FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse(RestResponse, string),
object.ToString() ↗, object.Equals(object) ↗, object.Equals(object, object) ↗,
object.ReferenceEquals(object, object) ↗, object.GetHashCode() ↗, object.GetType() ↗,
object.MemberwiseClone() ↗
```

# Properties

## Items

```
public TItem[] Items { get; set; }
```

## Property Value

TItem[]

# Methods

## GetItemLabel(TItem)

```
protected abstract string GetItemLabel(TItem item)
```

## Parameters

**item** TItem

## Returns

[string](#)

## GetLabel(FieldAttributeBase)

```
protected virtual string GetLabel(FieldAttributeBase fieldConfig)
```

## Parameters

**fieldConfig** [FieldAttributeBase](#)

## Returns

[string](#)

## Validate(FieldAttributeBase)

```
public override bool Validate(FieldAttributeBase fieldConfig)
```

Parameters

**fieldConfig** [FieldAttributeBase](#)

Returns

[bool](#) ↗

# Class MatchRegexValidatorBase

Namespace: [MES.MQC.UtilityLibrary.FormValidators](#)

Assembly: MES.MQC.UtilityLibrary.dll

```
public abstract class MatchRegexValidatorBase : FormFieldValidator<IFormAdapter,  
FieldAttributeBase>, IFormFieldAssistant
```

## Inheritance

[object](#) ← [FormFieldAssistantBase<IFormAdapter>](#) ←  
[FormFieldValidator<IFormAdapter, FieldAttributeBase>](#) ← MatchRegexValidatorBase

## Implements

[IFormFieldAssistant](#)

## Inherited Members

[FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate\(IFieldAttribute\)](#) ,  
[FormFieldValidator<IFormAdapter, FieldAttributeBase>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldValidator<IFormAdapter, FieldAttributeBase>.Validate\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Adapter](#) , [FormFieldAssistantBase<IFormAdapter>.FieldPath](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Context](#) ,  
[FormFieldAssistantBase<IFormAdapter>.ExecutionEnvironment](#) ,  
[FormFieldAssistantBase<IFormAdapter>.Assistance](#) , [FormFieldAssistantBase<IFormAdapter>.Identifier](#) ,  
[FormFieldAssistantBase<IFormAdapter>.CacheKey](#) ,  
[FormFieldAssistantBase<IFormAdapter>.InitializeCacheKey\(FieldAttributeBase\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddFieldError\(string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddError\(string, string\)](#) ,  
[FormFieldAssistantBase<IFormAdapter>.AddErrorFromResponse\(RestResponse, string\)](#) ,  
[object.ToString\(\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#)

## Properties

### Value

```
public object Value { get; set; }
```

Property Value

[object](#)

## Methods

### GetRegex()

```
protected abstract string GetRegex()
```

Returns

[string](#)

### GetSubject()

```
protected abstract string GetSubject()
```

Returns

[string](#)

### Validate(FieldAttributeBase)

```
public override bool Validate(FieldAttributeBase fieldConfig)
```

Parameters

[fieldConfig](#) [FieldAttributeBase](#)

Returns

[bool](#)