

# Windows Presentation Foundation (WPF) with DocFx and Microsoft Logging Support Solution

## Quick Start Notes:

The Place holder for API Cover Page. Modify this markdown page to change API Cover Page. File is named cover.md located in the VS Project API folder.

### Solution Requirements

DocFx.Console version 2.56.4 or higher.

[Download DocFx Nuget package version 2.56.4](#)

Microsoft.Extensions.Logging version 3.1.9 or higher.

[Download Microsoft.Extensions.Logging Nuget package version 2.1.9](#)

Net Core 3.1 or higher.

[Download the Net Core 3.1](#)

[Download the Net Core 5.0](#)

Windows Preinstallation Environment (WinPE) version 2004 ADK.

For WinPE version 2004 you must support USB version 3.0 **or** greater.

[Download the Windows ADK for Windows 10, version 2004](#)

Visual Studio Enterprise 2019 version 16.8.0 or higher.

[Download the Visual Studio Enterprise 2019](#)

# Table of Contents

WPFAppWithDocFxAndLogging3

App

FileLoggerExtensions

FileLoggerProvider

MainWindow

# Namespace WPFAppWithDocFxAndLogging3

## Classes

### [App](#)

Interaction logic for App.xaml

### [FileLoggerExtensions](#)

Class FileLoggerExtensions

### [FileLoggerProvider](#)

Class FileLoggerProvider

### [MainWindow](#)

Class MainWindow Test

# Class App

Interaction logic for App.xaml

Inheritance

System.Object

App

Namespace: [WPFAppWithDocFxAndLogging3](#)

Assembly: WPFAppWithDocFxAndLogging3.dll

Syntax

```
public class App : Application
```

Constructors

App()

Declaration

```
public App()
```

Methods

InitializeComponent()

InitializeComponent

Declaration

```
public void InitializeComponent()
```

Main()

Application Entry Point.

Declaration

```
public static void Main()
```

# Class FileLoggerExtensions

Class FileLoggerExtensions

Inheritance

System.Object

FileLoggerExtensions

Namespace: [WPFAppWithDocFxAndLogging3](#)

Assembly: WPFAppWithDocFxAndLogging3.dll

Syntax

```
public static class FileLoggerExtensions : Object
```

Remarks

## History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br><br>Danny C. McNaught<br><br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br><br>DESKTOP-ACLF3O   |
|  | <b>Code Change Date and Time:</b><br><br>Monday, November 9, 2020 11:21 AM<br><br><b>Code Changes:</b><br><br>Created XML Comment              |

## Methods

AddFile(ILoggerFactory, String, String)

Adds the file.

Declaration

```
public static ILoggerFactory AddFile(this ILoggerFactory factory, string name, string logFolder)
```

Parameters

| TYPE  | NAME      | DESCRIPTION     |
|---|-----------|-----------------|
| Microsoft.Extensions.Logging.ILoggerFactory | factory   | The factory.    |
| System.String                               | name      | The name.       |
| System.String                               | logFolder | The log folder. |

## Returns

| TYPE  | DESCRIPTION     |
|---|-----------------|
| Microsoft.Extensions.Logging.ILoggerFactory | ILoggerFactory. |

## Remarks

## History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><br><b>Code Changes:</b><br>Created XML Comment              |

## Log(ILogger, LogLevel, Exception, String, Boolean, Object[])

Logs the specified log level.

## Declaration

```
public static void Log(this ILogger logger, LogLevel logLevel, Exception exception, string message, bool includeStackTrace = false, params object[] args)
```

## Parameters

| TYPE                                  | NAME              | DESCRIPTION  |
|---------------------------------------|-------------------|--|
| Microsoft.Extensions.Logging.ILogger  | logger            | The logger.  |
| Microsoft.Extensions.Logging.LogLevel | logLevel          | The log level.                                     |
| System.Exception                      | exception         | The exception.                                     |
| System.String                         | message           | The message.                                       |
| System.Boolean                        | includeStackTrace | if set to <code>true</code> [include stack trace]. |

| TYPE            | NAME | DESCRIPTION    |
|-----------------|------|----------------|
| System.Object[] | args | The arguments. |

Remarks

### History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF3O   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><br><b>Code Changes:</b><br>Created XML Comment              |

Log(ILogger, LogLevel, String, Object[])

Logs the specified log level.

Declaration

```
public static void Log(this ILogger logger, LogLevel logLevel, string message, params object[] args)
```

Parameters

| TYPE                                  | NAME     | DESCRIPTION    |
|---------------------------------------|----------|----------------|
| Microsoft.Extensions.Logging.ILogger  | logger   | The logger.    |
| Microsoft.Extensions.Logging.LogLevel | logLevel | The log level. |
| System.String                         | message  | The message.   |
| System.Object[]                       | args     | The arguments. |

Remarks

### History:

|  |
|--|
|  |
|--|

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><br><b>Code Changes:</b><br>Created XML Comment              |

LogDebug(ILogger, String, Boolean, String, String, Int32)

Logs the debug.

Declaration

```
public static void LogDebug(this ILogger logger, string message, bool includeLineInfo, string callerMemberName
= "", string callerFilePath = "", int callerLineNumber = 0)
```

Parameters

| TYPE                                 | NAME             | DESCRIPTION   |
|--------------------------------------|------------------|---|
| Microsoft.Extensions.Logging.ILogger | logger           | The logger.   |
| System.String                        | message          | The message.  |
| System.Boolean                       | includeLineInfo  | if set to <code>true</code> [include line information]. |
| System.String                        | callerMemberName | Name of the caller member.                              |
| System.String                        | callerFilePath   | The caller file path.                                   |
| System.Int32                         | callerLineNumber | The caller line number.                                 |

Remarks

**History:**

|  |
|--|
|  |
|--|



|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF3O   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><br><b>Code Changes:</b><br>Created XML Comment              |

LogError(ILogger, Exception, String, Boolean, Boolean, String, String, Int32)

Logs the error.

Declaration

```
public static void LogError(this ILogger logger, Exception exception, string message, bool includeLineInfo, bool includeStackTrace, string callerMemberName = "", string callerFilePath = "", int callerLineNumber = 0)
```

Parameters

| TYPE                                 | NAME              | DESCRIPTION   |
|--------------------------------------|-------------------|---|
| Microsoft.Extensions.Logging.ILogger | logger            | The logger.   |
| System.Exception                     | exception         | The exception.  |
| System.String                        | message           | The message.  |
| System.Boolean                       | includeLineInfo   | if set to <code>true</code> [include line information]. |
| System.Boolean                       | includeStackTrace | if set to <code>true</code> [include stack trace].      |
| System.String                        | callerMemberName  | Name of the caller member.                              |
| System.String                        | callerFilePath    | The caller file path.                                   |
| System.Int32                         | callerLineNumber  | The caller line number.                                 |

Remarks

### History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br><br>DESKTOP-ACLF30   |
|  | <b>Code Change Date and Time:</b><br><br>Monday, November 9, 2020 11:21 AM<br><br><b>Code Changes:</b><br><br>Created XML Comment          |

LogInformation(ILogger, String, Boolean, String, String, Int32)

Logs the information.

Declaration

```
public static void LogInformation(this ILogger logger, string message, bool includeLineInfo, string callerMemberName = "", string callerFilePath = "", int callerLineNumber = 0)
```

Parameters

| TYPE                                 | NAME             | DESCRIPTION   |
|--------------------------------------|------------------|---|
| Microsoft.Extensions.Logging.ILogger | logger           | The logger.   |
| System.String                        | message          | The message.  |
| System.Boolean                       | includeLineInfo  | if set to <code>true</code> [include line information]. |
| System.String                        | callerMemberName | Name of the caller member.                              |
| System.String                        | callerFilePath   | The caller file path.                                   |
| System.Int32                         | callerLineNumber | The caller line number.                                 |

Remarks

### History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><br><b>Code Changes:</b><br>Created XML Comment              |

LogTrace(ILogger, String, Boolean, String, String, Int32)

Logs the trace.

Declaration

```
public static void LogTrace(this ILogger logger, string message, bool includeLineInfo, string callerMemberName = "", string callerFilePath = "", int callerLineNumber = 0)
```

Parameters

| TYPE                                 | NAME             | DESCRIPTION   |
|--------------------------------------|------------------|---|
| Microsoft.Extensions.Logging.ILogger | logger           | The logger.   |
| System.String                        | message          | The message.  |
| System.Boolean                       | includeLineInfo  | if set to <code>true</code> [include line information]. |
| System.String                        | callerMemberName | Name of the caller member.                              |
| System.String                        | callerFilePath   | The caller file path.                                   |
| System.Int32                         | callerLineNumber | The caller line number.                                 |

Remarks

**History:**

|  |
|--|
|  |
|--|

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><b>Code Changes:</b><br>Created XML Comment                  |

LogWarning(ILogger, String, Boolean, String, String, Int32)

Logs the warning.

Declaration

```
public static void LogWarning(this ILogger logger, string message, bool includeLineInfo, string callerMemberName = "", string callerFilePath = "", int callerLineNumber = 0)
```

Parameters

| TYPE                                 | NAME             | DESCRIPTION   |
|--------------------------------------|------------------|---|
| Microsoft.Extensions.Logging.ILogger | logger           | The logger.   |
| System.String                        | message          | The message.  |
| System.Boolean                       | includeLineInfo  | if set to <code>true</code> [include line information]. |
| System.String                        | callerMemberName | Name of the caller member.                              |
| System.String                        | callerFilePath   | The caller file path.                                   |
| System.Int32                         | callerLineNumber | The caller line number.                                 |

Remarks

**History:**

|  |
|--|
|  |
|--|

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><b>Code Changes:</b><br>Created XML Comment                  |

# Class FileLoggerProvider

Class FileLoggerProvider

Inheritance

System.Object  
FileLoggerProvider

Implements

Microsoft.Extensions.Logging.ILoggerProvider  
System.IDisposable

Namespace: [WPFAppWithDocFxAndLogging3](#)  
Assembly: WPFAppWithDocFxAndLogging3.dll

Syntax

```
public sealed class FileLoggerProvider : Object, ILoggerProvider, IDisposable
```

Remarks

History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br><br>Danny C. McNaught<br><br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br><br>DESKTOP-ACLF30   |
|  | <b>Code Change Date and Time:</b><br><br>Monday, November 9, 2020 11:21 AM<br><br><b>Code Changes:</b><br><br>Created XML Comment              |

Constructors

FileLoggerProvider()

Initializes a new instance of the System.Object class.

Declaration

```
public FileLoggerProvider()
```

Remarks

History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br><br>Danny C. McNaught<br><br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|--|--|

|  |   |
|--|---|
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF3O  |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><b>Code Changes:</b><br>Created XML Comment |

## FileLoggerProvider(StreamWriter)

Initializes a new instance of the [FileLoggerProvider](#) class.

Declaration

```
public FileLoggerProvider(StreamWriter writer)
```

Parameters

| TYPE                   | NAME   | DESCRIPTION |
|------------------------|--------|-------------|
| System.IO.StreamWriter | writer | The writer. |

Remarks

## History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF3O   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><b>Code Changes:</b><br>Created XML Comment                  |

## FileLoggerProvider(String, String)

Initializes a new instance of the [FileLoggerProvider](#) class.

Declaration

```
public FileLoggerProvider(string name = null, string logFolder = null)
```

Parameters

| TYPE          | NAME      | DESCRIPTION     |
|---------------|-----------|-----------------|
| System.String | name      | The name.       |
| System.String | logFolder | The log folder. |

Remarks

#### History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF3O   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><br><b>Code Changes:</b><br>Created XML Comment              |

#### Methods

##### AppName()

Applications the name.

Declaration

```
public static string AppName()
```

Returns

| TYPE          | DESCRIPTION    |
|---------------|----------------|
| System.String | System.String. |

Remarks

#### History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  |  |



|  |   |
|--|---|
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30  |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><br><b>Code Changes:</b><br>Created XML Comment |

## AppPath()

Applications the path.

Declaration

```
public static string AppPath()
```

Returns

| TYPE          | DESCRIPTION    |
|---------------|----------------|
| System.String | System.String. |

Remarks

## History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><br><b>Code Changes:</b><br>Created XML Comment              |

## CreateLogger(String)

Creates a new Microsoft.Extensions.Logging.ILogger instance.

Declaration

```
public ILogger CreateLogger(string categoryName)
```

Parameters

| TYPE          | NAME         | DESCRIPTION  |
|---------------|--------------|--|
| System.String | categoryName | The category name for messages produced by the logger. |

#### Returns

| TYPE                                 | DESCRIPTION  |
|--------------------------------------|--|
| Microsoft.Extensions.Logging.ILogger | The instance of Microsoft.Extensions.Logging.ILogger that was created. |

#### Remarks

#### History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:21 AM<br><br><b>Code Changes:</b><br>Created XML Comment              |

#### Dispose()

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

#### Declaration

```
public void Dispose()
```

#### Remarks

#### History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30   |
|  |  |

**Code Change Date and Time:**

Monday, November 9, 2020 11:21 AM

**Code Changes:**

Created XML Comment

**Implements**

Microsoft.Extensions.Logging.ILoggerProvider

System.IDisposable

# Class MainWindow

Class MainWindow Test

Inheritance

System.Object

MainWindow

Implements

System.Windows.Markup.IComponentConnector

Namespace: [WPFAppWithDocFxAndLogging3](#)

Assembly: WPFAppWithDocFxAndLogging3.dll

Syntax

```
public class MainWindow : Window, IComponentConnector
```

Remarks

## History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br><br>Danny C. McNaught<br><br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br><br>DESKTOP-ACLF3O   |
|  | <b>Code Change Date and Time:</b><br><br>Monday, November 9, 2020 11:20 AM<br><br><b>Code Changes:</b><br><br>Created XML Comment              |

## Constructors

### MainWindow()

Initializes a new instance of the System.Windows.Window class.

Declaration

```
public MainWindow()
```

Remarks

## History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br><br>Danny C. McNaught<br><br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  |  |

|  |   |
|--|---|
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30  |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:20 AM<br><b>Code Changes:</b><br>Created XML Comment |

## Properties

### Factory

Gets or sets the factory.

#### Declaration

```
public static ILoggerFactory Factory { get; set; }
```

#### Property Value

| TYPE  | DESCRIPTION  |
|---|--------------|
| Microsoft.Extensions.Logging.ILoggerFactory | The factory. |

#### Remarks

### History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:20 AM<br><b>Code Changes:</b><br>Created XML Comment                  |

### Logger

Gets or sets the logger.

#### Declaration

```
public static ILogger Logger { get; set; }
```

#### Property Value

Class MainWindow

| TYPE                                 | DESCRIPTION |
|--------------------------------------|-------------|
| Microsoft.Extensions.Logging.ILogger | The logger. |

Remarks

### History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:20 AM<br><br><b>Code Changes:</b><br>Created XML Comment              |

### Methods

#### AppName()

Applications the name.

Declaration

```
public static string AppName()
```

Returns

| TYPE          | DESCRIPTION    |
|---------------|----------------|
| System.String | System.String. |

Remarks

### History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30   |

**Code Change Date and Time:**

Monday, November 9, 2020 11:20 AM

**Code Changes:**

Created XML Comment

## AppPath()

Applications the path.

### Declaration

```
public static string AppPath()
```

### Returns

| TYPE          | DESCRIPTION    |
|---------------|----------------|
| System.String | System.String. |

### Remarks

### History:

**Code Changed by:**

Danny C. McNaught

[danny.mcnaught@dannymcnaught.com](mailto:danny.mcnaught@dannymcnaught.com)

**Code changed on Visual Studio Host Machine:**

DESKTOP-ACLF30

**Code Change Date and Time:**

Monday, November 9, 2020 11:20 AM

**Code Changes:**

Created XML Comment

## InitializeComponent()

InitializeComponent

### Declaration

```
public void InitializeComponent()
```

## ShowDebugInfo()

Shows the debug information. Test Update.

### Declaration

```
public static string ShowDebugInfo()
```

#### Returns

| TYPE          | DESCRIPTION    |
|---------------|----------------|
| System.String | System.String. |

#### Remarks

#### History:

|  |  |
|--|--|
|  | <b>Code Changed by:</b><br>Danny C. McNaught<br><a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a> |
|  | <b>Code changed on Visual Studio Host Machine:</b><br>DESKTOP-ACLF30   |
|  | <b>Code Change Date and Time:</b><br>Monday, November 9, 2020 11:20 AM<br><b>Code Changes:</b><br>Created XML Comment                  |

#### Implements

System.Windows.Markup.IComponentConnector