

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 2.56.5 or higher.

[Download DocFx Nuget package version 2.56.5](#)

Microsoft.Extensions.Logging version 5.0.0 or higher.

[Download Microsoft.Extensions.Logging Nuget package version 5.0.0](#)

Net Core 50 or higher.

[Download the Net Core 5.0](#)

Visual Studio Enterprise 2019 version 16.8.0 or higher.

[Download the Visual Studio Enterprise 2019](#)

Table of Contents

WPFAppWithDocFxAndLogging4

App

Extensions

FileLoggerExtensions

FileLoggerProvider

MainWindow

Namespace WPFAppWithDocFxAndLogging4

Classes

[App](#)

Interaction logic for App.xaml

[Extensions](#)

Class Extensions

[FileLoggerExtensions](#)

Class FileLoggerExtensions

[FileLoggerProvider](#)

Class FileLoggerProvider

[MainWindow](#)

Class MainWindow

Class App

Interaction logic for App.xaml

Inheritance

System.Object

App

Namespace: [WPFAppWithDocFxAndLogging4](#)

Assembly: WPFAppWithDocFxAndLogging4.dll

Syntax

```
public class App : Application
```

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Constructors

App()

Declaration

```
public App()
```

Methods

InitializeComponent()

InitializeComponent

Declaration

```
public void InitializeComponent()
```

Main()

Application Entry Point.

Declaration

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

Class Extensions

Class Extensions

Inheritance

System.Object

Extensions

Namespace: [WPFAppWithDocFxAndLogging4](#)

Assembly: WPFAppWithDocFxAndLogging4.dll

Syntax

```
public static class Extensions : Object
```

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Methods

Add<T>(ICollection<T>, IEnumerable<T>)

Adds the specified collection.

Declaration

```
public static void Add<T>(this ICollection<T> collection, IEnumerable<T> range)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.ICollection<T>	collection	The collection.
System.Collections.Generic.IEnumerable<T>	range	The range.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

--

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Add<T>(IEnumerable<T>, T)

Adds the specified collection.

Declaration

```
public static IEnumerable<T> Add<T>(this IEnumerable<T> collection, T item)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	collection	The collection.
T	item	The item.

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	System.Collections.Generic.IEnumerable<T>.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O

	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment
--	--

AddRange<T>(ICollection<T>, ICollection<T>)

Adds the range.

Declaration

```
public static void AddRange<T>(this ICollection<T> collection, ICollection<T> range)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.ICollection<T>	collection	The collection.
System.Collections.Generic.ICollection<T>	range	The range.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

AddRange<T>(ObservableCollection<T>, IEnumerable<T>)

Adds the range.

Declaration

```
public static void AddRange<T>(this ObservableCollection<T> oc, IEnumerable<T> collection)
```

Parameters

TYPE	NAME	DESCRIPTION

TYPE	NAME	DESCRIPTION
System.Collections.ObjectModel.ObservableCollection<T>	oc	The oc.
System.Collections.Generic.IEnumerable<T>	collection	The collection.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Exceptions

TYPE	CONDITION
System.ArgumentNullException	collection

AddUniqueIfNotEmpty(ObservableCollection<String>, String)

Adds the unique if not empty.

Declaration

<code>public static void AddUniqueIfNotEmpty(this ObservableCollection<string> collection, string text)</code>
--

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.ObjectModel.ObservableCollection<System.String>	collection	The collection.
System.String	text	The text.

Remarks

History:

--

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

AppendUniqueOnNewLineIfNotEmpty(StringBuilder, String)

Appends the unique on new line if not empty.

Declaration

```
public static void AppendUniqueOnNewLineIfNotEmpty(this StringBuilder stringBuilder, string text)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Text.StringBuilder	stringBuilder	The string builder.
System.String	text	The text.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Compare<T>(IEnumerable<T>, IEnumerable<T>)

Compares the specified first.

Declaration

```
public static int Compare<T>(this IEnumerable<T> first, IEnumerable<T> second)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	first	The first.
System.Collections.Generic.IEnumerable<T>	second	The second.

Returns

TYPE	DESCRIPTION
System.Int32	int.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Count(IEnumerable)

Counts the specified collection.

Declaration

<code>public static int Count(this IEnumerable collection)</code>

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.IEnumerable	collection	The collection.

Returns

TYPE	DESCRIPTION
System.Int32	int.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

DecryptStringFromBytes(Byte[], Byte[], Byte[])

Decrypts the string from bytes.

Declaration

```
public static string DecryptStringFromBytes(this byte[] cipherText, byte[] Key, byte[] IV)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Byte[]	cipherText	The cipher text.
System.Byte[]	Key	The key.
System.Byte[]	IV	The iv.

Returns

TYPE	DESCRIPTION
System.String	string.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O

	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment
--	--

Exceptions

TYPE	CONDITION
System.ArgumentNullException	cipherText

DistinctBy<TSource, TKey>(IEnumerable<TSource>, Func<TSource, TKey>)

Distincts the by.

Declaration

```
public static IEnumerable<TSource> DistinctBy<TSource, TKey>(this IEnumerable<TSource> source, Func<TSource, TKey>
keySelector)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<TSource>	source	The source.
System.Func<TSource, TKey>	keySelector	The key selector.

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<TSource>	System.Collections.Generic.IEnumerable<TSource>.

Type Parameters

NAME	DESCRIPTION
TSource	The type of the t source.
TKey	The type of the t key.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O

	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment
--	--

EncryptStringToBytes(String, Byte[], Byte[])

Encrypts the string to bytes.

Declaration

<code>public static byte[] EncryptStringToBytes(this string plainText, byte[] Key, byte[] IV)</code>
--

Parameters

TYPE	NAME	DESCRIPTION
System.String	plainText	The plain text.
System.Byte[]	Key	The key.
System.Byte[]	IV	The iv.

Returns

TYPE	DESCRIPTION
System.Byte[]	byte[].

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

FillWithMembers<T>(ICollection<T>)

Declaration

<code>public static void FillWithMembers<T>(this ICollection<T> collection)</code>
--

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.ICollection<T>	collection	

Type Parameters

NAME	DESCRIPTION
T	

FindAllChildren(DependencyObject)

Finds all children.

Declaration

```
public static IEnumerable<DependencyObject> FindAllChildren(this DependencyObject obj)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Windows.DependencyObject	obj	The object.

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<System.Windows.DependencyObject>	System.Collections.Generic.IEnumerable<System.Windows.DependencyObject>.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

FindChild<T>(DependencyObject, String)

Finds the child.

Declaration

```
public static T FindChild<T>(DependencyObject parent, string childName)
    where T : DependencyObject
```

Parameters

TYPE	NAME	DESCRIPTION
System.Windows.DependencyObject	parent	The parent.
System.String	childName	Name of the child.

Returns

TYPE	DESCRIPTION
T	T.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

FindChildControl<T>(DependencyObject)

Finds the child control.

Declaration

<code>public static DependencyObject FindChildControl<T>(DependencyObject control)</code>

Parameters

TYPE	NAME	DESCRIPTION
System.Windows.DependencyObject	control	The control.

Returns

TYPE	DESCRIPTION
System.Windows.DependencyObject	System.Windows.DependencyObject.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

FindChildren(DependencyObject)

Finds the children.

Declaration

<code>public static IEnumerable<DependencyObject> FindChildren(this DependencyObject obj)</code>
--

Parameters

TYPE	NAME	DESCRIPTION
System.Windows.DependencyObject	obj	The object.

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<System.Windows.DependencyObject>	System.Collections.Generic.IEnumerable<System.Windows.DependencyObject>.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O

	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment
--	--

FindParentControl<T>(DependencyObject)

Finds the parent control.

Declaration

```
public static DependencyObject FindParentControl<T>(DependencyObject control)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Windows.DependencyObject	control	The control.

Returns

TYPE	DESCRIPTION
System.Windows.DependencyObject	System.Windows.DependencyObject.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

FindVisualParent<T>(Visual)

Finds the visual parent.

Declaration

```
public static T FindVisualParent<T>(Visual element)
    where T : Visual
```

Parameters

TYPE	NAME	DESCRIPTION
System.Windows.Media.Visual	element	The element.

Returns

TYPE	DESCRIPTION
T	T.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

GetDescription(Enum)

Gets the description.

Declaration

<code>public static string GetDescription(this Enum value)</code>

Parameters

TYPE	NAME	DESCRIPTION
System.Enum	value	The value.

Returns

TYPE	DESCRIPTION
System.String	string.

Remarks

History:

--

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

GetXDocument(XmlDocument)

Gets the x document.

Declaration

```
public static XDocument GetXDocument(this XmlDocument document)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Xml.XmlDocument	document	The document.

Returns

TYPE	DESCRIPTION
System.Xml.Linq.XDocument	System.Xml.Linq.XDocument.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

GetXElement(XmlNode)

Gets the x element.

Declaration

```
public static XElement GetXElement(this XmlNode node)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Xml.XmlNode	node	The node.

Returns

TYPE	DESCRIPTION
System.Xml.Linq.XElement	System.Xml.Linq.XElement.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

GetXmlDocument(XDocument)

Gets the XML document.

Declaration

```
public static XmlDocument GetXmlDocument(this XDocument document)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Xml.Linq.XDocument	document	The document.

Returns

TYPE	DESCRIPTION
System.Xml.XmlDocument	System.Xml.XmlDocument.

Remarks

History:

--

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

GetXmlNode(XElement)

Gets the XML node.

Declaration

```
public static XmlNode GetXmlNode(this XElement element)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Xml.Linq.XElement	element	The element.

Returns

TYPE	DESCRIPTION
System.Xml.XmlNode	System.Xml.XmlNode.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

IsAny<T>(IEnumerable<T>)

Determines whether the specified data is any.

Declaration

```
public static bool IsAny<T>(this IEnumerable<T> data)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	data	The data.

Returns

TYPE	DESCRIPTION
System.Boolean	

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

IsLetter(Char)

Determines whether the specified c is letter.

Declaration

```
public static bool IsLetter(this char c)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Char	c	The c.

Returns

TYPE	DESCRIPTION
System.Boolean	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

IsLetterOrSeparator(Char)

Determines whether [is letter or separator] [the specified c].

Declaration

```
public static bool IsLetterOrSeparator(this char c)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Char	c	The c.

Returns

TYPE	DESCRIPTION
System.Boolean	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

IsNullOrEmpty(String)

Determines whether [is null or empty] [the specified s].

Declaration

```
public static bool IsNullOrEmpty(this string s)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	s	The s.

Returns

TYPE	DESCRIPTION
System.Boolean	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

IsNullOrEmpty<T>(IEnumerable<T>)

Determines whether [is null or empty] [the specified list].

Declaration

<code>public static bool IsNullOrEmpty<T>(this IEnumerable<T> list)</code>
--

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	list	The list.

Returns

TYPE	DESCRIPTION
System.Boolean	

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

--

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

NotNullAny<T>(IEnumerable<T>, Func<T, Boolean>)

Nots the null any.

Declaration

```
public static bool NotNullAny<T>(this IEnumerable<T> enumerable, Func<T, bool> predicate)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	enumerable	The enumerable.
System.Func<T, System.Boolean>	predicate	The predicate.

Returns

TYPE	DESCRIPTION
System.Boolean	bool.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O

	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment
--	--

PerformClick(Button)

Performs the click.

Declaration

```
public static void PerformClick(this Button btn)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Windows.Controls.Button	btn	The BTN.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Refresh(UIElement)

Refreshes the specified UI element.

Declaration

```
public static void Refresh(this UIElement uiElement)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Windows.UIElement	uiElement	The UI element.

Remarks

History:

--

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Remove<T>(ICollection<T>, IEnumerable<T>)

Removes the specified collection.

Declaration

```
public static void Remove<T>(this ICollection<T> collection, IEnumerable<T> range)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.ICollection<T>	collection	The collection.
System.Collections.Generic.IEnumerable<T>	range	The range.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

SelectAllRecursively<T>(IEnumerable<T>, Func<T, IEnumerable<T>>)

Selects all recursively.

Declaration

```
public static IEnumerable<T> SelectAllRecursively<T>(this IEnumerable<T> items, Func<T, IEnumerable<T>> func)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	items	The items.
System.Func<T, System.Collections.Generic.IEnumerable<T>>	func	The function.

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	System.Collections.Generic.IEnumerable<T>.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

SkipExceptions<T>(IEnumerable<T>)

Skips the exceptions.

Declaration

```
public static IEnumerable<T> SkipExceptions<T>(this IEnumerable<T> values)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	values	The values.

Returns

TYPE	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	System.Collections.Generic.IEnumerable<T>.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Sort<TSource, TKey>(ObservableCollection<TSource>, Func<TSource, TKey>)

Sorts the specified collection.

Declaration

public static void Sort<TSource, TKey>(this ObservableCollection<TSource> collection, Func<TSource, TKey> keySelector)

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.ObjectModel.ObservableCollection<TSource>	collection	The collection.
System.Func<TSource, TKey>	keySelector	The key selector.

Type Parameters

NAME	DESCRIPTION
TSource	The type of the t source.
TKey	The type of the t key.

Remarks

History:

--

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

ToObservableCollection<T>(IEnumerable<T>)

To the observable collection.

Declaration

```
public static ObservableCollection<T> ToObservableCollection<T>(this IEnumerable<T> inputCollection)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Collections.Generic.IEnumerable<T>	inputCollection	The input collection.

Returns

TYPE	DESCRIPTION
System.Collections.ObjectModel.ObservableCollection<T>	System.Collections.ObjectModel.ObservableCollection<T>.

Type Parameters

NAME	DESCRIPTION
T	

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Class FileLoggerExtensions

Class FileLoggerExtensions

Inheritance

System.Object

FileLoggerExtensions

Namespace: [WPFAppWithDocFxAndLogging4](#)

Assembly: WPFAppWithDocFxAndLogging4.dll

Syntax

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

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: 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:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: 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:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: 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:

--

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: 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:

--

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: 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:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: 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:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: 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:

--

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: 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:

--

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Class FileLoggerProvider

Class FileLoggerProvider

Inheritance

System.Object

FileLoggerProvider

Implements

Microsoft.Extensions.Logging.ILoggerProvider

System.IDisposable

Namespace: [WPFAppWithDocFxAndLogging4](#)

Assembly: WPFAppWithDocFxAndLogging4.dll

Syntax

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

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Constructors

FileLoggerProvider()

Initializes a new instance of the System.Object class.

Declaration

```
public FileLoggerProvider()
```

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
--	--

	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: 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:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: 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:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Methods

AppName()

Applications the name.

Declaration

<code>public static string AppName()</code>

Returns

TYPE	DESCRIPTION
System.String	System.String.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com

	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

AppPath()

Applications the path.

Declaration

<code>public static string AppPath()</code>

Returns

TYPE	DESCRIPTION
System.String	System.String.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

CreateLogger(String)

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

Declaration

<code>public ILogger CreateLogger(string categoryName)</code>

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:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:16 PM Code Changes: Created XML Comment

Dispose()

Disposes this instance.

Declaration

```
public void Dispose()
```

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30

Code Change Date and Time:

Friday, November 20, 2020 10:16 PM

Code Changes:

Created XML Comment

Implements

Microsoft.Extensions.Logging.ILoggerProvider

System.IDisposable

Class MainWindow

Class MainWindow

Inheritance

System.Object
MainWindow

Implements

System.Windows.Markup.IComponentConnector

Namespace: [WPFAppWithDocFxAndLogging4](#)

Assembly: WPFAppWithDocFxAndLogging4.dll

Syntax

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

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF3O
	Code Change Date and Time: Friday, November 20, 2020 10:15 PM Code Changes: Created XML Comment

Constructors

MainWindow()

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

Declaration

```
public MainWindow()
```

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
--	--

	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:15 PM Code Changes: 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:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:15 PM Code Changes: 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:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:15 PM Code Changes: Created XML Comment

Methods

AppName()

Applications the name.

Declaration

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

Returns

TYPE	DESCRIPTION
System.String	System.String.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30

	Code Change Date and Time: Friday, November 20, 2020 10:15 PM Code Changes: Created XML Comment
--	--

AppPath()

Applications the path.

Declaration

<code>public static string AppPath()</code>

Returns

TYPE	DESCRIPTION
System.String	System.String.

Remarks

History:

	Code Changed by: Danny C. McNaught danny.mcnaught@dannymcnaught.com
	Code changed on Visual Studio Host Machine: DESKTOP-ACLF30
	Code Change Date and Time: Friday, November 20, 2020 10:15 PM Code Changes: Created XML Comment

InitializeComponent()

InitializeComponent

Declaration

<code>public void InitializeComponent()</code>
--

Implements

System.Windows.Markup.IComponentConnector