ContextConfig C# Library

## This library allows you to set configuration values dependent upon which web server environment the code is currently running in. Environments are defined using the hostname (url) that the page is operating from. Multiple urls can be set for each environment, along with an optional "catch-all" indicating what environment should be assumed if the current domain doesn't match.

# Getting Started

The only files needed to use this library in your .Net website are the compiled .dlls and an XML configuration file.

\*Note\* There is a dependency on the “System.Configuration” namespace. A copy of this .dll has been included in case you need it.

1. Copy the files from the desired Version folder in “Releases\Basic Compiled\” to your site.
2. The XML config file can either be located in a root-level folder named “config” or it can be placed at the website root.
3. Customize the provided .config file as described below.
4. Reference "HLF.ContextConfig" in your code where you want to utilize configuration values.

# Configuration

The example config file should give you a good idea about how to add you own data, but here is a brief explanation of the different parts.

<ContextConfig version="1">

<!-- Add a line for each domain you plan on having-->

<Domains>

<Domain url="mysite.local" environment="local"/>

<Domain url="localhost:52426" environment="local"/>

<Domain url="mysite.dev" environment="dev"/>

<Domain url="mysite.stage" environment="staging"/>

<Domain url="mysite.com" environment="live"/>

<Domain url="\*" environment="live"/><!-- handles any additional domains, delete if you'd prefer that an error be raised -->

</Domains>

<Environments>

<!-- The "default" Environment holds default values, to be used if there isn't a specific value specified for an environment -->

<Environment name="default">

<Configs>

<add key="MyAppKey" value="Default Value"/>

<add key="LiveOnlyAppKey" value="Default for all env other than live"/>

</Configs>

</Environment>

<Environment name="local">

<Configs>

<add key="MyAppKey" value="Value for Local"/>

</Configs>

</Environment>

<Environment name="dev">

<Configs>

<add key="MyAppKey" value="Value for Dev"/>

</Configs>

</Environment>

<Environment name="staging">

<Configs>

<add key="MyAppKey" value="Value for Staging"/>

</Configs>

</Environment>

<Environment name="live">

<Configs>

<add key="MyAppKey" value="Value for Live"/>

<add key="LiveOnlyAppKey" value="Live-specific Value"/>

</Configs>

</Environment>

</Environments>

# Version History

The topics in this section describe the various changes made to the [TODO: Project Title] over the life of the project.

## Version History

Select a version below to see a description of its changes.

* [Version 1.0.0.0](#_F4FCB7CE_Topic)
* [TODO: Add links to each specific version page]

## See Also

#### Other Resources

[Welcome to the [TODO: Add project name]](#_9A12AA15_Topic)

# Version 1.0.0.0

Version [TODO: Version] was released on [TODO: Date].

## Changes in This Release

* [TODO: Add change items here]

## See Also

#### Other Resources

[Version History](#_B451F3F8_Topic)

# HLF.ContextConfig Namespace

[Missing <summary> documentation for "N:HLF.ContextConfig"]

## Classes

|  |  |  |
| --- | --- | --- |
|  | Class | Description |
| Public class | [ConfigSettings](#_9F5BA83D_Topic) | The 'ConfigSettings' class give you direct access to all the configured data using collections and dot(.) notation. \*Note: you will need to explicitly declare objects of the element types in order to use their properties. example: foreach (DomainElement Domain in ConfigSettings.Settings.Domains) { string EnvironmentName = Domain.Environment;} |
| Public class | [ContextConfig](#_A1B4F5C_Topic) | The 'ContextConfig' static class includes useful functions to test and return data about domains, environments, and configured key/value pairs. |
| Public class | [DomainElement](#_4159B23_Topic) |  |
| Public class | [DomainElementCollection](#_FCDA115C_Topic) |  |
| Public class | [EnvironmentElement](#_FF30A5F3_Topic) |  |
| Public class | [EnvironmentElementCollection](#_81C14C_Topic) |  |
| Public class | [KeyValueElement](#_21BF4E91_Topic) |  |
| Public class | [KeyValueElementCollection](#_B0F52567_Topic) |  |

# ConfigSettings Class

The 'ConfigSettings' class give you direct access to all the configured data using collections and dot(.) notation. \*Note: you will need to explicitly declare objects of the element types in order to use their properties. example: foreach (DomainElement Domain in ConfigSettings.Settings.Domains) { string EnvironmentName = Domain.Environment;}

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Configuration.ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)  
    [System.Configuration.ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287)  
      HLF.ContextConfig.ConfigSettings

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public class ConfigSettings : ConfigurationSection |

The **ConfigSettings** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [ConfigSettings](#_CF2BE8C9_Topic) | Initializes a new instance of the **ConfigSettings** class |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [DeserializeSection](http://msdn2.microsoft.com/en-us/library/ms224434) | Reads XML from the configuration file. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/cy9e8hzc) | Compares the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance to the specified object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/x2t3yh5a) | Gets a unique value representing the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetRuntimeObject](http://msdn2.microsoft.com/en-us/library/fh19sky9) | Returns a custom object when overridden in a derived class. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Public methodStatic member | [GetSettings](#_D684B744_Topic) |  |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/kkza18sx) | Indicates whether this configuration element has been modified since it was last saved or loaded when implemented in a derived class. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134129) | Gets a value indicating whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object is read-only. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134132) | Gets a value indicating whether an unknown element is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134136) | Resets the internal state of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, including the locks and the properties collections. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/43904a29) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/cc19b3s9) method to false when implemented in a derived class. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134137) | Writes the contents of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeSection](http://msdn2.microsoft.com/en-us/library/ms224439) | Creates an XML string containing an unmerged view of the [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287) object as a single section to write to a file. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134139) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134129) property for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object and all subelements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ShouldSerializeElementInTargetVersion](http://msdn2.microsoft.com/en-us/library/dd642104) | Indicates whether the specified element should be serialized when the configuration object hierarchy is serialized for the specified target version of the .NET Framework. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Protected method | [ShouldSerializePropertyInTargetVersion](http://msdn2.microsoft.com/en-us/library/ee169415) | Indicates whether the specified property should be serialized when the configuration object hierarchy is serialized for the specified target version of the .NET Framework. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Protected method | [ShouldSerializeSectionInTargetVersion](http://msdn2.microsoft.com/en-us/library/dd642108) | Indicates whether the current [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287) instance should be serialized when the configuration object hierarchy is serialized for the specified target version of the .NET Framework. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224427) | Modifies the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to remove all values that should not be saved. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [Settings](#_B032A9B8_Topic) |  |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Domains](#_64F9105_Topic) |  |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Environments](#_CEC1D600_Topic) |  |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(String)](http://msdn2.microsoft.com/en-us/library/c8693ks1) | Gets or sets a property, attribute, or child element of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [SectionInformation](http://msdn2.microsoft.com/en-us/library/ms134300) | Gets a [SectionInformation](http://msdn2.microsoft.com/en-us/library/ms134738) object that contains the non-customizable information and functionality of the [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287) object. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Public property | [Version](#_25D1A9F5_Topic) |  |

## See Also

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ConfigSettings Constructor

Initializes a new instance of the [ConfigSettings](#_9F5BA83D_Topic) class

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public ConfigSettings() |

## See Also

[ConfigSettings Class](#_9F5BA83D_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ConfigSettings.ConfigSettings Fields

The [ConfigSettings](#_9F5BA83D_Topic) type exposes the following members.

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [Settings](#_B032A9B8_Topic) |  |

## See Also

[ConfigSettings Class](#_9F5BA83D_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ConfigSettings.Settings Field

[Missing <summary> documentation for "F:HLF.ContextConfig.ConfigSettings.Settings"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public static ConfigSettings Settings |

#### Field Value

Type: [ConfigSettings](#_9F5BA83D_Topic)

## See Also

[ConfigSettings Class](#_9F5BA83D_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ConfigSettings.ConfigSettings Methods

The [ConfigSettings](#_9F5BA83D_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [DeserializeSection](http://msdn2.microsoft.com/en-us/library/ms224434) | Reads XML from the configuration file. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/cy9e8hzc) | Compares the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance to the specified object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/x2t3yh5a) | Gets a unique value representing the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetRuntimeObject](http://msdn2.microsoft.com/en-us/library/fh19sky9) | Returns a custom object when overridden in a derived class. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Public methodStatic member | [GetSettings](#_D684B744_Topic) |  |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/kkza18sx) | Indicates whether this configuration element has been modified since it was last saved or loaded when implemented in a derived class. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134129) | Gets a value indicating whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object is read-only. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134132) | Gets a value indicating whether an unknown element is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134136) | Resets the internal state of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, including the locks and the properties collections. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/43904a29) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/cc19b3s9) method to false when implemented in a derived class. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134137) | Writes the contents of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeSection](http://msdn2.microsoft.com/en-us/library/ms224439) | Creates an XML string containing an unmerged view of the [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287) object as a single section to write to a file. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134139) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134129) property for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object and all subelements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ShouldSerializeElementInTargetVersion](http://msdn2.microsoft.com/en-us/library/dd642104) | Indicates whether the specified element should be serialized when the configuration object hierarchy is serialized for the specified target version of the .NET Framework. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Protected method | [ShouldSerializePropertyInTargetVersion](http://msdn2.microsoft.com/en-us/library/ee169415) | Indicates whether the specified property should be serialized when the configuration object hierarchy is serialized for the specified target version of the .NET Framework. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Protected method | [ShouldSerializeSectionInTargetVersion](http://msdn2.microsoft.com/en-us/library/dd642108) | Indicates whether the current [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287) instance should be serialized when the configuration object hierarchy is serialized for the specified target version of the .NET Framework. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224427) | Modifies the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to remove all values that should not be saved. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |

## See Also

[ConfigSettings Class](#_9F5BA83D_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ConfigSettings.GetSettings Method

[Missing <summary> documentation for "M:HLF.ContextConfig.ConfigSettings.GetSettings"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public static ConfigSettings GetSettings() |

#### Return Value

Type: [ConfigSettings](#_9F5BA83D_Topic)  
[Missing <returns> documentation for "M:HLF.ContextConfig.ConfigSettings.GetSettings"]

## See Also

[ConfigSettings Class](#_9F5BA83D_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ConfigSettings.ConfigSettings Properties

The [ConfigSettings](#_9F5BA83D_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Domains](#_64F9105_Topic) |  |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Environments](#_CEC1D600_Topic) |  |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(String)](http://msdn2.microsoft.com/en-us/library/c8693ks1) | Gets or sets a property, attribute, or child element of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [SectionInformation](http://msdn2.microsoft.com/en-us/library/ms134300) | Gets a [SectionInformation](http://msdn2.microsoft.com/en-us/library/ms134738) object that contains the non-customizable information and functionality of the [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287) object. (Inherited from [ConfigurationSection](http://msdn2.microsoft.com/en-us/library/x0kca287).) |
| Public property | [Version](#_25D1A9F5_Topic) |  |

## See Also

[ConfigSettings Class](#_9F5BA83D_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ConfigSettings.Domains Property

[Missing <summary> documentation for "P:HLF.ContextConfig.ConfigSettings.Domains"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public DomainElementCollection Domains { get; } |

#### Property Value

Type: [DomainElementCollection](#_FCDA115C_Topic)

## See Also

[ConfigSettings Class](#_9F5BA83D_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ConfigSettings.Environments Property

[Missing <summary> documentation for "P:HLF.ContextConfig.ConfigSettings.Environments"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public EnvironmentElementCollection Environments { get; } |

#### Property Value

Type: [EnvironmentElementCollection](#_81C14C_Topic)

## See Also

[ConfigSettings Class](#_9F5BA83D_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ConfigSettings.Version Property

[Missing <summary> documentation for "P:HLF.ContextConfig.ConfigSettings.Version"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public string Version { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[ConfigSettings Class](#_9F5BA83D_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig Class

The 'ContextConfig' static class includes useful functions to test and return data about domains, environments, and configured key/value pairs.

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  HLF.ContextConfig.ContextConfig

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public static class ContextConfig |

The **ContextConfig** type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [DomainEnvironmentName()](#_7CAE8250_Topic) | Get the environment name for the current domain |
| Public methodStatic member | [DomainEnvironmentName(String)](#_47C4BCCF_Topic) | Get the environment name for the provided domain url |
| Public methodStatic member | [DomainIsConfigured(Boolean)](#_210C88EB_Topic) | Check whether the current domain exists in the Domains list |
| Public methodStatic member | [DomainIsConfigured(String, Boolean)](#_10B071F6_Topic) | Check whether the URL exists in the Domains list |
| Public methodStatic member | [EnvironmentIsConfigured(Boolean)](#_58F2DE2E_Topic) | Check whether the current environment exists in the Environments list |
| Public methodStatic member | [EnvironmentIsConfigured(String, Boolean)](#_F47CB91_Topic) | Check whether the current environment exists in the Environments list |
| Public methodStatic member | [GetValue(String)](#_495224E5_Topic) | Get the value for a given key on the current domain |
| Public methodStatic member | [GetValue(String, String)](#_25E90AD6_Topic) | Get the value when providing a key and environment name |

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [CurrentDomain](#_AD9E4DD_Topic) | Current active domain url |

## See Also

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.ContextConfig Fields

The [ContextConfig](#_A1B4F5C_Topic) type exposes the following members.

## Fields

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public fieldStatic member | [CurrentDomain](#_AD9E4DD_Topic) | Current active domain url |

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.CurrentDomain Field

Current active domain url

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public static string CurrentDomain |

#### Field Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.ContextConfig Methods

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [DomainEnvironmentName()](#_7CAE8250_Topic) | Get the environment name for the current domain |
| Public methodStatic member | [DomainEnvironmentName(String)](#_47C4BCCF_Topic) | Get the environment name for the provided domain url |
| Public methodStatic member | [DomainIsConfigured(Boolean)](#_210C88EB_Topic) | Check whether the current domain exists in the Domains list |
| Public methodStatic member | [DomainIsConfigured(String, Boolean)](#_10B071F6_Topic) | Check whether the URL exists in the Domains list |
| Public methodStatic member | [EnvironmentIsConfigured(Boolean)](#_58F2DE2E_Topic) | Check whether the current environment exists in the Environments list |
| Public methodStatic member | [EnvironmentIsConfigured(String, Boolean)](#_F47CB91_Topic) | Check whether the current environment exists in the Environments list |
| Public methodStatic member | [GetValue(String)](#_495224E5_Topic) | Get the value for a given key on the current domain |
| Public methodStatic member | [GetValue(String, String)](#_25E90AD6_Topic) | Get the value when providing a key and environment name |

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.DomainEnvironmentName Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [DomainEnvironmentName()](#_7CAE8250_Topic) | Get the environment name for the current domain |
| Public methodStatic member | [DomainEnvironmentName(String)](#_47C4BCCF_Topic) | Get the environment name for the provided domain url |

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.DomainEnvironmentName Method

Get the environment name for the current domain

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public static string DomainEnvironmentName() |

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
[Missing <returns> documentation for "M:HLF.ContextConfig.ContextConfig.DomainEnvironmentName"]

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[DomainEnvironmentName Overload](#_D47BEA82_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.DomainEnvironmentName Method (String)

Get the environment name for the provided domain url

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public static string DomainEnvironmentName(  string DomainUrl ) |

#### Parameters

DomainUrl

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Url to lookup

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
[Missing <returns> documentation for "M:HLF.ContextConfig.ContextConfig.DomainEnvironmentName(System.String)"]

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[DomainEnvironmentName Overload](#_D47BEA82_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.DomainIsConfigured Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [DomainIsConfigured(Boolean)](#_210C88EB_Topic) | Check whether the current domain exists in the Domains list |
| Public methodStatic member | [DomainIsConfigured(String, Boolean)](#_10B071F6_Topic) | Check whether the URL exists in the Domains list |

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.DomainIsConfigured Method (Boolean)

Check whether the current domain exists in the Domains list

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public static bool DomainIsConfigured(  bool AcceptWildcard = true ) |

#### Parameters

AcceptWildcard (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

If there is a wildcard (\*) domain specified, return true? (Choose false to explicitly search for this url)

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)  
[Missing <returns> documentation for "M:HLF.ContextConfig.ContextConfig.DomainIsConfigured(System.Boolean)"]

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[DomainIsConfigured Overload](#_3442DD5B_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.DomainIsConfigured Method (String, Boolean)

Check whether the URL exists in the Domains list

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public static bool DomainIsConfigured(  string DomainUrl,  bool AcceptWildcard = true ) |

#### Parameters

DomainUrl

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Url to lookup

AcceptWildcard (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

If there is a wildcard (\*) domain specified, return true? (Choose false to explicitly search for this url)

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)  
[Missing <returns> documentation for "M:HLF.ContextConfig.ContextConfig.DomainIsConfigured(System.String,System.Boolean)"]

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[DomainIsConfigured Overload](#_3442DD5B_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.EnvironmentIsConfigured Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [EnvironmentIsConfigured(Boolean)](#_58F2DE2E_Topic) | Check whether the current environment exists in the Environments list |
| Public methodStatic member | [EnvironmentIsConfigured(String, Boolean)](#_F47CB91_Topic) | Check whether the current environment exists in the Environments list |

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.EnvironmentIsConfigured Method (Boolean)

Check whether the current environment exists in the Environments list

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public static bool EnvironmentIsConfigured(  bool AcceptDefault = true ) |

#### Parameters

AcceptDefault (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

If there is a "default" domain specified, return true? (Choose false to explicitly search for this environment)

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)  
[Missing <returns> documentation for "M:HLF.ContextConfig.ContextConfig.EnvironmentIsConfigured(System.Boolean)"]

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[EnvironmentIsConfigured Overload](#_5C0909DE_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.EnvironmentIsConfigured Method (String, Boolean)

Check whether the current environment exists in the Environments list

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public static bool EnvironmentIsConfigured(  string EnvironmentName,  bool AcceptDefault = true ) |

#### Parameters

EnvironmentName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

[Missing <param name="EnvironmentName"/> documentation for "M:HLF.ContextConfig.ContextConfig.EnvironmentIsConfigured(System.String,System.Boolean)"]

AcceptDefault (Optional)

Type: [System.Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)

If there is a "default" domain specified, return true? (Choose false to explicitly search for this environment)

#### Return Value

Type: [Boolean](http://msdn2.microsoft.com/en-us/library/a28wyd50)  
[Missing <returns> documentation for "M:HLF.ContextConfig.ContextConfig.EnvironmentIsConfigured(System.String,System.Boolean)"]

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[EnvironmentIsConfigured Overload](#_5C0909DE_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.GetValue Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public methodStatic member | [GetValue(String)](#_495224E5_Topic) | Get the value for a given key on the current domain |
| Public methodStatic member | [GetValue(String, String)](#_25E90AD6_Topic) | Get the value when providing a key and environment name |

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.GetValue Method (String)

Get the value for a given key on the current domain

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public static string GetValue(  string ConfigKey ) |

#### Parameters

ConfigKey

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Key name

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
[Missing <returns> documentation for "M:HLF.ContextConfig.ContextConfig.GetValue(System.String)"]

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[GetValue Overload](#_93D8931A_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# ContextConfig.GetValue Method (String, String)

Get the value when providing a key and environment name

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public static string GetValue(  string ConfigKey,  string EnvironmentName ) |

#### Parameters

ConfigKey

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Key name

EnvironmentName

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

Environment name

#### Return Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)  
[Missing <returns> documentation for "M:HLF.ContextConfig.ContextConfig.GetValue(System.String,System.String)"]

## See Also

[ContextConfig Class](#_A1B4F5C_Topic)

[GetValue Overload](#_93D8931A_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElement Class

[Missing <summary> documentation for "T:HLF.ContextConfig.DomainElement"]

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Configuration.ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)  
    HLF.ContextConfig.DomainElement

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public class DomainElement : ConfigurationElement |

The **DomainElement** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [DomainElement](#_D256DB7A_Topic) | Initializes a new instance of the **DomainElement** class |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/cy9e8hzc) | Compares the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance to the specified object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/x2t3yh5a) | Gets a unique value representing the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/cc19b3s9) | Indicates whether this configuration element has been modified since it was last saved or loaded, when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134129) | Gets a value indicating whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object is read-only. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134132) | Gets a value indicating whether an unknown element is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134136) | Resets the internal state of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, including the locks and the properties collections. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/47ezy87t) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/cc19b3s9) method to false when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134137) | Writes the contents of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134139) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134129) property for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object and all subelements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224427) | Modifies the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to remove all values that should not be saved. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Environment](#_530EF941_Topic) |  |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(String)](http://msdn2.microsoft.com/en-us/library/c8693ks1) | Gets or sets a property, attribute, or child element of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Url](#_2FD41CAE_Topic) |  |

## See Also

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElement Constructor

Initializes a new instance of the [DomainElement](#_4159B23_Topic) class

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public DomainElement() |

## See Also

[DomainElement Class](#_4159B23_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElement.DomainElement Methods

The [DomainElement](#_4159B23_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/cy9e8hzc) | Compares the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance to the specified object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/x2t3yh5a) | Gets a unique value representing the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/cc19b3s9) | Indicates whether this configuration element has been modified since it was last saved or loaded, when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134129) | Gets a value indicating whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object is read-only. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134132) | Gets a value indicating whether an unknown element is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134136) | Resets the internal state of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, including the locks and the properties collections. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/47ezy87t) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/cc19b3s9) method to false when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134137) | Writes the contents of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134139) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134129) property for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object and all subelements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224427) | Modifies the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to remove all values that should not be saved. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |

## See Also

[DomainElement Class](#_4159B23_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElement.DomainElement Properties

The [DomainElement](#_4159B23_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Environment](#_530EF941_Topic) |  |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(String)](http://msdn2.microsoft.com/en-us/library/c8693ks1) | Gets or sets a property, attribute, or child element of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Url](#_2FD41CAE_Topic) |  |

## See Also

[DomainElement Class](#_4159B23_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElement.Environment Property

[Missing <summary> documentation for "P:HLF.ContextConfig.DomainElement.Environment"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public string Environment { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[DomainElement Class](#_4159B23_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElement.Url Property

[Missing <summary> documentation for "P:HLF.ContextConfig.DomainElement.Url"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public string Url { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[DomainElement Class](#_4159B23_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElementCollection Class

[Missing <summary> documentation for "T:HLF.ContextConfig.DomainElementCollection"]

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Configuration.ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)  
    [System.Configuration.ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et)  
      HLF.ContextConfig.DomainElementCollection

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public class DomainElementCollection : ConfigurationElementCollection |

The **DomainElementCollection** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [DomainElementCollection](#_F997C260_Topic) | Initializes a new instance of the **DomainElementCollection** class |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [BaseAdd(ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/19tyhxbx) | Adds a configuration element to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseAdd(ConfigurationElement, Boolean)](http://msdn2.microsoft.com/en-us/library/94tzb2x4) | Adds a configuration element to the configuration element collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseAdd(Int32, ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/09d36k3s) | Adds a configuration element to the configuration element collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseClear](http://msdn2.microsoft.com/en-us/library/b4yf3zw6) | Removes all configuration element objects from the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGet(Object)](http://msdn2.microsoft.com/en-us/library/e90fbaaw) | Returns the configuration element with the specified key. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGet(Int32)](http://msdn2.microsoft.com/en-us/library/w493w5yy) | Gets the configuration element at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGetAllKeys](http://msdn2.microsoft.com/en-us/library/9ts4f970) | Returns an array of the keys for all of the configuration elements contained in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGetKey](http://msdn2.microsoft.com/en-us/library/zf0857te) | Gets the key for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseIndexOf](http://msdn2.microsoft.com/en-us/library/8byca88s) | Indicates the index of the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseIsRemoved](http://msdn2.microsoft.com/en-us/library/wk5tz03f) | Indicates whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) with the specified key has been removed from the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseRemove](http://msdn2.microsoft.com/en-us/library/s4cs5s6w) | Removes a [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) from the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseRemoveAt](http://msdn2.microsoft.com/en-us/library/wt92bf00) | Removes the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [CopyTo](http://msdn2.microsoft.com/en-us/library/d22w8c80) | Copies the contents of the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to an array. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [CreateNewElement()](#_BBCFEC3E_Topic) | (Overrides [ConfigurationElementCollection.CreateNewElement()](http://msdn2.microsoft.com/en-us/library/ak7z48w8).) |
| Protected method | [CreateNewElement(String)](http://msdn2.microsoft.com/en-us/library/ky49faah) | Creates a new [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/0eye6ky8) | Compares the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to the specified object. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [GetElementKey](#_306B91D8_Topic) | (Overrides [ConfigurationElementCollection.GetElementKey(ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/bxcte21d).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/ms134159) | Gets an [IEnumerator](http://msdn2.microsoft.com/en-us/library/1t2267t6) which is used to iterate through the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/7w9k269c) | Gets a unique value representing the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) instance. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsElementName](http://msdn2.microsoft.com/en-us/library/11833ks2) | Indicates whether the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) exists in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [IsElementRemovable](http://msdn2.microsoft.com/en-us/library/00et13y9) | Indicates whether the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) can be removed from the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/sdfx3fsd) | Indicates whether this [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) has been modified since it was last saved or loaded when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134160) | Indicates whether the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) object is read only. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134161) | Causes the configuration system to throw an exception. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134162) | Resets the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to its unmodified state when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/5t09d48z) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/sdfx3fsd) property to false when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134163) | Writes the configuration data to an XML element in the configuration file when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134164) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134160) property for the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) object and for all sub-elements. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224411) | Reverses the effect of merging configuration information from different levels of the configuration hierarchy (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected property | [AddElementName](http://msdn2.microsoft.com/en-us/library/ms134167) | Gets or sets the name of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the add operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [ClearElementName](http://msdn2.microsoft.com/en-us/library/ms134168) | Gets or sets the name for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the clear operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [CollectionType](#_27F25107_Topic) |  |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/yf0s34t1) | Gets the number of elements in the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementName](#_ED500AA9_Topic) | (Overrides [ConfigurationElementCollection.ElementName](http://msdn2.microsoft.com/en-us/library/8f06bh6s).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [EmitClear](http://msdn2.microsoft.com/en-us/library/adedfexe) | Gets or sets a value that specifies whether the collection has been cleared. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [IsSynchronized](http://msdn2.microsoft.com/en-us/library/ms134169) | Gets a value indicating whether access to the collection is synchronized. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Item(Int32)](#_F2E8B9E6_Topic) |  |
| Public property | [Item(String)](#_44A2851_Topic) |  |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [RemoveElementName](http://msdn2.microsoft.com/en-us/library/ms134170) | Gets or sets the name of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the remove operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [SyncRoot](http://msdn2.microsoft.com/en-us/library/ms134171) | Gets an object used to synchronize access to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [ThrowOnDuplicate](http://msdn2.microsoft.com/en-us/library/ea6s6hb8) | Gets a value indicating whether an attempt to add a duplicate [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) will cause an exception to be thrown. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## See Also

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElementCollection Constructor

Initializes a new instance of the [DomainElementCollection](#_FCDA115C_Topic) class

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public DomainElementCollection() |

## See Also

[DomainElementCollection Class](#_FCDA115C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElementCollection.DomainElementCollection Methods

The [DomainElementCollection](#_FCDA115C_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [BaseAdd(ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/19tyhxbx) | Adds a configuration element to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseAdd(ConfigurationElement, Boolean)](http://msdn2.microsoft.com/en-us/library/94tzb2x4) | Adds a configuration element to the configuration element collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseAdd(Int32, ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/09d36k3s) | Adds a configuration element to the configuration element collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseClear](http://msdn2.microsoft.com/en-us/library/b4yf3zw6) | Removes all configuration element objects from the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGet(Object)](http://msdn2.microsoft.com/en-us/library/e90fbaaw) | Returns the configuration element with the specified key. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGet(Int32)](http://msdn2.microsoft.com/en-us/library/w493w5yy) | Gets the configuration element at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGetAllKeys](http://msdn2.microsoft.com/en-us/library/9ts4f970) | Returns an array of the keys for all of the configuration elements contained in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGetKey](http://msdn2.microsoft.com/en-us/library/zf0857te) | Gets the key for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseIndexOf](http://msdn2.microsoft.com/en-us/library/8byca88s) | Indicates the index of the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseIsRemoved](http://msdn2.microsoft.com/en-us/library/wk5tz03f) | Indicates whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) with the specified key has been removed from the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseRemove](http://msdn2.microsoft.com/en-us/library/s4cs5s6w) | Removes a [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) from the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseRemoveAt](http://msdn2.microsoft.com/en-us/library/wt92bf00) | Removes the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [CopyTo](http://msdn2.microsoft.com/en-us/library/d22w8c80) | Copies the contents of the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to an array. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [CreateNewElement()](#_BBCFEC3E_Topic) | (Overrides [ConfigurationElementCollection.CreateNewElement()](http://msdn2.microsoft.com/en-us/library/ak7z48w8).) |
| Protected method | [CreateNewElement(String)](http://msdn2.microsoft.com/en-us/library/ky49faah) | Creates a new [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/0eye6ky8) | Compares the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to the specified object. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [GetElementKey](#_306B91D8_Topic) | (Overrides [ConfigurationElementCollection.GetElementKey(ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/bxcte21d).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/ms134159) | Gets an [IEnumerator](http://msdn2.microsoft.com/en-us/library/1t2267t6) which is used to iterate through the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/7w9k269c) | Gets a unique value representing the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) instance. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsElementName](http://msdn2.microsoft.com/en-us/library/11833ks2) | Indicates whether the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) exists in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [IsElementRemovable](http://msdn2.microsoft.com/en-us/library/00et13y9) | Indicates whether the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) can be removed from the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/sdfx3fsd) | Indicates whether this [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) has been modified since it was last saved or loaded when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134160) | Indicates whether the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) object is read only. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134161) | Causes the configuration system to throw an exception. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134162) | Resets the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to its unmodified state when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/5t09d48z) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/sdfx3fsd) property to false when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134163) | Writes the configuration data to an XML element in the configuration file when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134164) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134160) property for the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) object and for all sub-elements. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224411) | Reverses the effect of merging configuration information from different levels of the configuration hierarchy (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## See Also

[DomainElementCollection Class](#_FCDA115C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElementCollection.CreateNewElement Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [CreateNewElement()](#_BBCFEC3E_Topic) | (Overrides [ConfigurationElementCollection.CreateNewElement()](http://msdn2.microsoft.com/en-us/library/ak7z48w8).) |
| Protected method | [CreateNewElement(String)](http://msdn2.microsoft.com/en-us/library/ky49faah) | Creates a new [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## See Also

[DomainElementCollection Class](#_FCDA115C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElementCollection.CreateNewElement Method

[Missing <summary> documentation for "M:HLF.ContextConfig.DomainElementCollection.CreateNewElement"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| protected override ConfigurationElement CreateNewElement() |

#### Return Value

Type: [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)  
[Missing <returns> documentation for "M:HLF.ContextConfig.DomainElementCollection.CreateNewElement"]

## See Also

[DomainElementCollection Class](#_FCDA115C_Topic)

[CreateNewElement Overload](#_5BC1FC34_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElementCollection.GetElementKey Method

[Missing <summary> documentation for "M:HLF.ContextConfig.DomainElementCollection.GetElementKey(System.Configuration.ConfigurationElement)"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| protected override Object GetElementKey(  ConfigurationElement element ) |

#### Parameters

element

Type: [System.Configuration.ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)

[Missing <param name="element"/> documentation for "M:HLF.ContextConfig.DomainElementCollection.GetElementKey(System.Configuration.ConfigurationElement)"]

#### Return Value

Type: [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
[Missing <returns> documentation for "M:HLF.ContextConfig.DomainElementCollection.GetElementKey(System.Configuration.ConfigurationElement)"]

## See Also

[DomainElementCollection Class](#_FCDA115C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElementCollection.DomainElementCollection Properties

The [DomainElementCollection](#_FCDA115C_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected property | [AddElementName](http://msdn2.microsoft.com/en-us/library/ms134167) | Gets or sets the name of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the add operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [ClearElementName](http://msdn2.microsoft.com/en-us/library/ms134168) | Gets or sets the name for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the clear operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [CollectionType](#_27F25107_Topic) |  |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/yf0s34t1) | Gets the number of elements in the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementName](#_ED500AA9_Topic) | (Overrides [ConfigurationElementCollection.ElementName](http://msdn2.microsoft.com/en-us/library/8f06bh6s).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [EmitClear](http://msdn2.microsoft.com/en-us/library/adedfexe) | Gets or sets a value that specifies whether the collection has been cleared. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [IsSynchronized](http://msdn2.microsoft.com/en-us/library/ms134169) | Gets a value indicating whether access to the collection is synchronized. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Item(Int32)](#_F2E8B9E6_Topic) |  |
| Public property | [Item(String)](#_44A2851_Topic) |  |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [RemoveElementName](http://msdn2.microsoft.com/en-us/library/ms134170) | Gets or sets the name of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the remove operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [SyncRoot](http://msdn2.microsoft.com/en-us/library/ms134171) | Gets an object used to synchronize access to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [ThrowOnDuplicate](http://msdn2.microsoft.com/en-us/library/ea6s6hb8) | Gets a value indicating whether an attempt to add a duplicate [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) will cause an exception to be thrown. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## See Also

[DomainElementCollection Class](#_FCDA115C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElementCollection.CollectionType Property

[Missing <summary> documentation for "P:HLF.ContextConfig.DomainElementCollection.CollectionType"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public ConfigurationElementCollectionType CollectionType { get; } |

#### Property Value

Type: [ConfigurationElementCollectionType](http://msdn2.microsoft.com/en-us/library/xtb86yh0)

## See Also

[DomainElementCollection Class](#_FCDA115C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElementCollection.ElementName Property

[Missing <summary> documentation for "P:HLF.ContextConfig.DomainElementCollection.ElementName"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| protected override string ElementName { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[DomainElementCollection Class](#_FCDA115C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElementCollection.Item Property

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Item(Int32)](#_F2E8B9E6_Topic) |  |
| Public property | [Item(String)](#_44A2851_Topic) |  |

## See Also

[DomainElementCollection Class](#_FCDA115C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElementCollection.Item Property (Int32)

[Missing <summary> documentation for "P:HLF.ContextConfig.DomainElementCollection.Item(System.Int32)"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public DomainElement this[  int index ] { get; set; } |

#### Parameters

index

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Property Value

Type: [DomainElement](#_4159B23_Topic)

## See Also

[DomainElementCollection Class](#_FCDA115C_Topic)

[Item Overload](#_7A9AFC63_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# DomainElementCollection.Item Property (String)

[Missing <summary> documentation for "P:HLF.ContextConfig.DomainElementCollection.Item(System.String)"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public DomainElement this[  string url ] { get; } |

#### Parameters

url

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Property Value

Type: [DomainElement](#_4159B23_Topic)

## See Also

[DomainElementCollection Class](#_FCDA115C_Topic)

[Item Overload](#_7A9AFC63_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElement Class

[Missing <summary> documentation for "T:HLF.ContextConfig.EnvironmentElement"]

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Configuration.ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)  
    HLF.ContextConfig.EnvironmentElement

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public class EnvironmentElement : ConfigurationElement |

The **EnvironmentElement** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [EnvironmentElement](#_E07406D3_Topic) | Initializes a new instance of the **EnvironmentElement** class |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/cy9e8hzc) | Compares the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance to the specified object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/x2t3yh5a) | Gets a unique value representing the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/cc19b3s9) | Indicates whether this configuration element has been modified since it was last saved or loaded, when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134129) | Gets a value indicating whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object is read-only. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134132) | Gets a value indicating whether an unknown element is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134136) | Resets the internal state of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, including the locks and the properties collections. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/47ezy87t) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/cc19b3s9) method to false when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134137) | Writes the contents of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134139) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134129) property for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object and all subelements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224427) | Modifies the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to remove all values that should not be saved. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Configs](#_48A8C6C7_Topic) |  |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(String)](http://msdn2.microsoft.com/en-us/library/c8693ks1) | Gets or sets a property, attribute, or child element of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Name](#_D6FC805C_Topic) |  |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |

## See Also

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElement Constructor

Initializes a new instance of the [EnvironmentElement](#_FF30A5F3_Topic) class

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public EnvironmentElement() |

## See Also

[EnvironmentElement Class](#_FF30A5F3_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElement.EnvironmentElement Methods

The [EnvironmentElement](#_FF30A5F3_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/cy9e8hzc) | Compares the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance to the specified object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/x2t3yh5a) | Gets a unique value representing the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/cc19b3s9) | Indicates whether this configuration element has been modified since it was last saved or loaded, when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134129) | Gets a value indicating whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object is read-only. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134132) | Gets a value indicating whether an unknown element is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134136) | Resets the internal state of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, including the locks and the properties collections. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/47ezy87t) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/cc19b3s9) method to false when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134137) | Writes the contents of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134139) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134129) property for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object and all subelements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224427) | Modifies the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to remove all values that should not be saved. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |

## See Also

[EnvironmentElement Class](#_FF30A5F3_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElement.EnvironmentElement Properties

The [EnvironmentElement](#_FF30A5F3_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [Configs](#_48A8C6C7_Topic) |  |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(String)](http://msdn2.microsoft.com/en-us/library/c8693ks1) | Gets or sets a property, attribute, or child element of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Name](#_D6FC805C_Topic) |  |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |

## See Also

[EnvironmentElement Class](#_FF30A5F3_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElement.Configs Property

[Missing <summary> documentation for "P:HLF.ContextConfig.EnvironmentElement.Configs"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public KeyValueElementCollection Configs { get; } |

#### Property Value

Type: [KeyValueElementCollection](#_B0F52567_Topic)

## See Also

[EnvironmentElement Class](#_FF30A5F3_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElement.Name Property

[Missing <summary> documentation for "P:HLF.ContextConfig.EnvironmentElement.Name"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public string Name { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[EnvironmentElement Class](#_FF30A5F3_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElementCollection Class

[Missing <summary> documentation for "T:HLF.ContextConfig.EnvironmentElementCollection"]

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Configuration.ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)  
    [System.Configuration.ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et)  
      HLF.ContextConfig.EnvironmentElementCollection

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public class EnvironmentElementCollection : ConfigurationElementCollection |

The **EnvironmentElementCollection** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [EnvironmentElementCollection](#_734A25D1_Topic) | Initializes a new instance of the **EnvironmentElementCollection** class |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [BaseAdd(ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/19tyhxbx) | Adds a configuration element to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseAdd(ConfigurationElement, Boolean)](http://msdn2.microsoft.com/en-us/library/94tzb2x4) | Adds a configuration element to the configuration element collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseAdd(Int32, ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/09d36k3s) | Adds a configuration element to the configuration element collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseClear](http://msdn2.microsoft.com/en-us/library/b4yf3zw6) | Removes all configuration element objects from the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGet(Object)](http://msdn2.microsoft.com/en-us/library/e90fbaaw) | Returns the configuration element with the specified key. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGet(Int32)](http://msdn2.microsoft.com/en-us/library/w493w5yy) | Gets the configuration element at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGetAllKeys](http://msdn2.microsoft.com/en-us/library/9ts4f970) | Returns an array of the keys for all of the configuration elements contained in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGetKey](http://msdn2.microsoft.com/en-us/library/zf0857te) | Gets the key for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseIndexOf](http://msdn2.microsoft.com/en-us/library/8byca88s) | Indicates the index of the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseIsRemoved](http://msdn2.microsoft.com/en-us/library/wk5tz03f) | Indicates whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) with the specified key has been removed from the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseRemove](http://msdn2.microsoft.com/en-us/library/s4cs5s6w) | Removes a [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) from the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseRemoveAt](http://msdn2.microsoft.com/en-us/library/wt92bf00) | Removes the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [CopyTo](http://msdn2.microsoft.com/en-us/library/d22w8c80) | Copies the contents of the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to an array. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [CreateNewElement()](#_47AFEE54_Topic) | (Overrides [ConfigurationElementCollection.CreateNewElement()](http://msdn2.microsoft.com/en-us/library/ak7z48w8).) |
| Protected method | [CreateNewElement(String)](http://msdn2.microsoft.com/en-us/library/ky49faah) | Creates a new [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/0eye6ky8) | Compares the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to the specified object. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [GetElementKey](#_F4073D46_Topic) | (Overrides [ConfigurationElementCollection.GetElementKey(ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/bxcte21d).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/ms134159) | Gets an [IEnumerator](http://msdn2.microsoft.com/en-us/library/1t2267t6) which is used to iterate through the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/7w9k269c) | Gets a unique value representing the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) instance. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsElementName](http://msdn2.microsoft.com/en-us/library/11833ks2) | Indicates whether the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) exists in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [IsElementRemovable](http://msdn2.microsoft.com/en-us/library/00et13y9) | Indicates whether the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) can be removed from the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/sdfx3fsd) | Indicates whether this [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) has been modified since it was last saved or loaded when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134160) | Indicates whether the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) object is read only. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134161) | Causes the configuration system to throw an exception. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134162) | Resets the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to its unmodified state when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/5t09d48z) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/sdfx3fsd) property to false when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134163) | Writes the configuration data to an XML element in the configuration file when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134164) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134160) property for the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) object and for all sub-elements. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224411) | Reverses the effect of merging configuration information from different levels of the configuration hierarchy (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected property | [AddElementName](http://msdn2.microsoft.com/en-us/library/ms134167) | Gets or sets the name of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the add operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [ClearElementName](http://msdn2.microsoft.com/en-us/library/ms134168) | Gets or sets the name for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the clear operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [CollectionType](#_411BA863_Topic) |  |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/yf0s34t1) | Gets the number of elements in the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementName](#_6FED9063_Topic) | (Overrides [ConfigurationElementCollection.ElementName](http://msdn2.microsoft.com/en-us/library/8f06bh6s).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [EmitClear](http://msdn2.microsoft.com/en-us/library/adedfexe) | Gets or sets a value that specifies whether the collection has been cleared. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [IsSynchronized](http://msdn2.microsoft.com/en-us/library/ms134169) | Gets a value indicating whether access to the collection is synchronized. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Item(Int32)](#_86170A3D_Topic) |  |
| Public property | [Item(String)](#_EE80213_Topic) |  |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [RemoveElementName](http://msdn2.microsoft.com/en-us/library/ms134170) | Gets or sets the name of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the remove operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [SyncRoot](http://msdn2.microsoft.com/en-us/library/ms134171) | Gets an object used to synchronize access to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [ThrowOnDuplicate](http://msdn2.microsoft.com/en-us/library/ea6s6hb8) | Gets a value indicating whether an attempt to add a duplicate [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) will cause an exception to be thrown. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## See Also

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElementCollection Constructor

Initializes a new instance of the [EnvironmentElementCollection](#_81C14C_Topic) class

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public EnvironmentElementCollection() |

## See Also

[EnvironmentElementCollection Class](#_81C14C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElementCollection.EnvironmentElementCollection Methods

The [EnvironmentElementCollection](#_81C14C_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [BaseAdd(ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/19tyhxbx) | Adds a configuration element to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseAdd(ConfigurationElement, Boolean)](http://msdn2.microsoft.com/en-us/library/94tzb2x4) | Adds a configuration element to the configuration element collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseAdd(Int32, ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/09d36k3s) | Adds a configuration element to the configuration element collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseClear](http://msdn2.microsoft.com/en-us/library/b4yf3zw6) | Removes all configuration element objects from the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGet(Object)](http://msdn2.microsoft.com/en-us/library/e90fbaaw) | Returns the configuration element with the specified key. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGet(Int32)](http://msdn2.microsoft.com/en-us/library/w493w5yy) | Gets the configuration element at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGetAllKeys](http://msdn2.microsoft.com/en-us/library/9ts4f970) | Returns an array of the keys for all of the configuration elements contained in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGetKey](http://msdn2.microsoft.com/en-us/library/zf0857te) | Gets the key for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseIndexOf](http://msdn2.microsoft.com/en-us/library/8byca88s) | Indicates the index of the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseIsRemoved](http://msdn2.microsoft.com/en-us/library/wk5tz03f) | Indicates whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) with the specified key has been removed from the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseRemove](http://msdn2.microsoft.com/en-us/library/s4cs5s6w) | Removes a [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) from the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseRemoveAt](http://msdn2.microsoft.com/en-us/library/wt92bf00) | Removes the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [CopyTo](http://msdn2.microsoft.com/en-us/library/d22w8c80) | Copies the contents of the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to an array. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [CreateNewElement()](#_47AFEE54_Topic) | (Overrides [ConfigurationElementCollection.CreateNewElement()](http://msdn2.microsoft.com/en-us/library/ak7z48w8).) |
| Protected method | [CreateNewElement(String)](http://msdn2.microsoft.com/en-us/library/ky49faah) | Creates a new [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/0eye6ky8) | Compares the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to the specified object. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [GetElementKey](#_F4073D46_Topic) | (Overrides [ConfigurationElementCollection.GetElementKey(ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/bxcte21d).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/ms134159) | Gets an [IEnumerator](http://msdn2.microsoft.com/en-us/library/1t2267t6) which is used to iterate through the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/7w9k269c) | Gets a unique value representing the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) instance. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsElementName](http://msdn2.microsoft.com/en-us/library/11833ks2) | Indicates whether the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) exists in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [IsElementRemovable](http://msdn2.microsoft.com/en-us/library/00et13y9) | Indicates whether the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) can be removed from the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/sdfx3fsd) | Indicates whether this [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) has been modified since it was last saved or loaded when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134160) | Indicates whether the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) object is read only. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134161) | Causes the configuration system to throw an exception. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134162) | Resets the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to its unmodified state when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/5t09d48z) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/sdfx3fsd) property to false when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134163) | Writes the configuration data to an XML element in the configuration file when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134164) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134160) property for the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) object and for all sub-elements. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224411) | Reverses the effect of merging configuration information from different levels of the configuration hierarchy (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## See Also

[EnvironmentElementCollection Class](#_81C14C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElementCollection.CreateNewElement Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [CreateNewElement()](#_47AFEE54_Topic) | (Overrides [ConfigurationElementCollection.CreateNewElement()](http://msdn2.microsoft.com/en-us/library/ak7z48w8).) |
| Protected method | [CreateNewElement(String)](http://msdn2.microsoft.com/en-us/library/ky49faah) | Creates a new [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## See Also

[EnvironmentElementCollection Class](#_81C14C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElementCollection.CreateNewElement Method

[Missing <summary> documentation for "M:HLF.ContextConfig.EnvironmentElementCollection.CreateNewElement"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| protected override ConfigurationElement CreateNewElement() |

#### Return Value

Type: [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)  
[Missing <returns> documentation for "M:HLF.ContextConfig.EnvironmentElementCollection.CreateNewElement"]

## See Also

[EnvironmentElementCollection Class](#_81C14C_Topic)

[CreateNewElement Overload](#_AC47F6F1_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElementCollection.GetElementKey Method

[Missing <summary> documentation for "M:HLF.ContextConfig.EnvironmentElementCollection.GetElementKey(System.Configuration.ConfigurationElement)"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| protected override Object GetElementKey(  ConfigurationElement element ) |

#### Parameters

element

Type: [System.Configuration.ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)

[Missing <param name="element"/> documentation for "M:HLF.ContextConfig.EnvironmentElementCollection.GetElementKey(System.Configuration.ConfigurationElement)"]

#### Return Value

Type: [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
[Missing <returns> documentation for "M:HLF.ContextConfig.EnvironmentElementCollection.GetElementKey(System.Configuration.ConfigurationElement)"]

## See Also

[EnvironmentElementCollection Class](#_81C14C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElementCollection.EnvironmentElementCollection Properties

The [EnvironmentElementCollection](#_81C14C_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected property | [AddElementName](http://msdn2.microsoft.com/en-us/library/ms134167) | Gets or sets the name of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the add operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [ClearElementName](http://msdn2.microsoft.com/en-us/library/ms134168) | Gets or sets the name for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the clear operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [CollectionType](#_411BA863_Topic) |  |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/yf0s34t1) | Gets the number of elements in the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementName](#_6FED9063_Topic) | (Overrides [ConfigurationElementCollection.ElementName](http://msdn2.microsoft.com/en-us/library/8f06bh6s).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [EmitClear](http://msdn2.microsoft.com/en-us/library/adedfexe) | Gets or sets a value that specifies whether the collection has been cleared. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [IsSynchronized](http://msdn2.microsoft.com/en-us/library/ms134169) | Gets a value indicating whether access to the collection is synchronized. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Item(Int32)](#_86170A3D_Topic) |  |
| Public property | [Item(String)](#_EE80213_Topic) |  |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [RemoveElementName](http://msdn2.microsoft.com/en-us/library/ms134170) | Gets or sets the name of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the remove operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [SyncRoot](http://msdn2.microsoft.com/en-us/library/ms134171) | Gets an object used to synchronize access to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [ThrowOnDuplicate](http://msdn2.microsoft.com/en-us/library/ea6s6hb8) | Gets a value indicating whether an attempt to add a duplicate [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) will cause an exception to be thrown. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## See Also

[EnvironmentElementCollection Class](#_81C14C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElementCollection.CollectionType Property

[Missing <summary> documentation for "P:HLF.ContextConfig.EnvironmentElementCollection.CollectionType"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public ConfigurationElementCollectionType CollectionType { get; } |

#### Property Value

Type: [ConfigurationElementCollectionType](http://msdn2.microsoft.com/en-us/library/xtb86yh0)

## See Also

[EnvironmentElementCollection Class](#_81C14C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElementCollection.ElementName Property

[Missing <summary> documentation for "P:HLF.ContextConfig.EnvironmentElementCollection.ElementName"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| protected override string ElementName { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[EnvironmentElementCollection Class](#_81C14C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElementCollection.Item Property

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Item(Int32)](#_86170A3D_Topic) |  |
| Public property | [Item(String)](#_EE80213_Topic) |  |

## See Also

[EnvironmentElementCollection Class](#_81C14C_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElementCollection.Item Property (Int32)

[Missing <summary> documentation for "P:HLF.ContextConfig.EnvironmentElementCollection.Item(System.Int32)"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public EnvironmentElement this[  int index ] { get; set; } |

#### Parameters

index

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Property Value

Type: [EnvironmentElement](#_FF30A5F3_Topic)

## See Also

[EnvironmentElementCollection Class](#_81C14C_Topic)

[Item Overload](#_D87ED128_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# EnvironmentElementCollection.Item Property (String)

[Missing <summary> documentation for "P:HLF.ContextConfig.EnvironmentElementCollection.Item(System.String)"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public EnvironmentElement this[  string name ] { get; } |

#### Parameters

name

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Property Value

Type: [EnvironmentElement](#_FF30A5F3_Topic)

## See Also

[EnvironmentElementCollection Class](#_81C14C_Topic)

[Item Overload](#_D87ED128_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElement Class

[Missing <summary> documentation for "T:HLF.ContextConfig.KeyValueElement"]

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Configuration.ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)  
    HLF.ContextConfig.KeyValueElement

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public class KeyValueElement : ConfigurationElement |

The **KeyValueElement** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [KeyValueElement](#_9AB11439_Topic) | Initializes a new instance of the **KeyValueElement** class |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/cy9e8hzc) | Compares the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance to the specified object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/x2t3yh5a) | Gets a unique value representing the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/cc19b3s9) | Indicates whether this configuration element has been modified since it was last saved or loaded, when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134129) | Gets a value indicating whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object is read-only. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134132) | Gets a value indicating whether an unknown element is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134136) | Resets the internal state of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, including the locks and the properties collections. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/47ezy87t) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/cc19b3s9) method to false when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134137) | Writes the contents of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134139) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134129) property for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object and all subelements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224427) | Modifies the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to remove all values that should not be saved. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(String)](http://msdn2.microsoft.com/en-us/library/c8693ks1) | Gets or sets a property, attribute, or child element of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Key](#_E272A059_Topic) |  |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Value](#_10254A5A_Topic) |  |

## See Also

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElement Constructor

Initializes a new instance of the [KeyValueElement](#_21BF4E91_Topic) class

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public KeyValueElement() |

## See Also

[KeyValueElement Class](#_21BF4E91_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElement.KeyValueElement Methods

The [KeyValueElement](#_21BF4E91_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/cy9e8hzc) | Compares the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance to the specified object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/x2t3yh5a) | Gets a unique value representing the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/cc19b3s9) | Indicates whether this configuration element has been modified since it was last saved or loaded, when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134129) | Gets a value indicating whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object is read-only. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134132) | Gets a value indicating whether an unknown element is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134136) | Resets the internal state of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, including the locks and the properties collections. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/47ezy87t) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/cc19b3s9) method to false when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134137) | Writes the contents of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134139) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134129) property for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object and all subelements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224427) | Modifies the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to remove all values that should not be saved. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |

## See Also

[KeyValueElement Class](#_21BF4E91_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElement.KeyValueElement Properties

The [KeyValueElement](#_21BF4E91_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Item(String)](http://msdn2.microsoft.com/en-us/library/c8693ks1) | Gets or sets a property, attribute, or child element of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Key](#_E272A059_Topic) |  |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Value](#_10254A5A_Topic) |  |

## See Also

[KeyValueElement Class](#_21BF4E91_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElement.Key Property

[Missing <summary> documentation for "P:HLF.ContextConfig.KeyValueElement.Key"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public string Key { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[KeyValueElement Class](#_21BF4E91_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElement.Value Property

[Missing <summary> documentation for "P:HLF.ContextConfig.KeyValueElement.Value"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public string Value { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[KeyValueElement Class](#_21BF4E91_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElementCollection Class

[Missing <summary> documentation for "T:HLF.ContextConfig.KeyValueElementCollection"]

## Inheritance Hierarchy

[System.Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
  [System.Configuration.ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)  
    [System.Configuration.ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et)  
      HLF.ContextConfig.KeyValueElementCollection

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public class KeyValueElementCollection : ConfigurationElementCollection |

The **KeyValueElementCollection** type exposes the following members.

## Constructors

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Public method | [KeyValueElementCollection](#_8A714E28_Topic) | Initializes a new instance of the **KeyValueElementCollection** class |

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [BaseAdd(ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/19tyhxbx) | Adds a configuration element to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseAdd(ConfigurationElement, Boolean)](http://msdn2.microsoft.com/en-us/library/94tzb2x4) | Adds a configuration element to the configuration element collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseAdd(Int32, ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/09d36k3s) | Adds a configuration element to the configuration element collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseClear](http://msdn2.microsoft.com/en-us/library/b4yf3zw6) | Removes all configuration element objects from the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGet(Object)](http://msdn2.microsoft.com/en-us/library/e90fbaaw) | Returns the configuration element with the specified key. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGet(Int32)](http://msdn2.microsoft.com/en-us/library/w493w5yy) | Gets the configuration element at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGetAllKeys](http://msdn2.microsoft.com/en-us/library/9ts4f970) | Returns an array of the keys for all of the configuration elements contained in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGetKey](http://msdn2.microsoft.com/en-us/library/zf0857te) | Gets the key for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseIndexOf](http://msdn2.microsoft.com/en-us/library/8byca88s) | Indicates the index of the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseIsRemoved](http://msdn2.microsoft.com/en-us/library/wk5tz03f) | Indicates whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) with the specified key has been removed from the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseRemove](http://msdn2.microsoft.com/en-us/library/s4cs5s6w) | Removes a [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) from the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseRemoveAt](http://msdn2.microsoft.com/en-us/library/wt92bf00) | Removes the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [CopyTo](http://msdn2.microsoft.com/en-us/library/d22w8c80) | Copies the contents of the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to an array. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [CreateNewElement()](#_49959E0B_Topic) | (Overrides [ConfigurationElementCollection.CreateNewElement()](http://msdn2.microsoft.com/en-us/library/ak7z48w8).) |
| Protected method | [CreateNewElement(String)](http://msdn2.microsoft.com/en-us/library/ky49faah) | Creates a new [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/0eye6ky8) | Compares the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to the specified object. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [GetElementKey](#_6BE4D396_Topic) | (Overrides [ConfigurationElementCollection.GetElementKey(ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/bxcte21d).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/ms134159) | Gets an [IEnumerator](http://msdn2.microsoft.com/en-us/library/1t2267t6) which is used to iterate through the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/7w9k269c) | Gets a unique value representing the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) instance. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsElementName](http://msdn2.microsoft.com/en-us/library/11833ks2) | Indicates whether the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) exists in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [IsElementRemovable](http://msdn2.microsoft.com/en-us/library/00et13y9) | Indicates whether the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) can be removed from the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/sdfx3fsd) | Indicates whether this [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) has been modified since it was last saved or loaded when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134160) | Indicates whether the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) object is read only. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134161) | Causes the configuration system to throw an exception. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134162) | Resets the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to its unmodified state when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/5t09d48z) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/sdfx3fsd) property to false when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134163) | Writes the configuration data to an XML element in the configuration file when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134164) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134160) property for the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) object and for all sub-elements. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224411) | Reverses the effect of merging configuration information from different levels of the configuration hierarchy (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected property | [AddElementName](http://msdn2.microsoft.com/en-us/library/ms134167) | Gets or sets the name of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the add operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [ClearElementName](http://msdn2.microsoft.com/en-us/library/ms134168) | Gets or sets the name for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the clear operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [CollectionType](#_EC83573E_Topic) |  |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/yf0s34t1) | Gets the number of elements in the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementName](#_2411C063_Topic) | (Overrides [ConfigurationElementCollection.ElementName](http://msdn2.microsoft.com/en-us/library/8f06bh6s).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [EmitClear](http://msdn2.microsoft.com/en-us/library/adedfexe) | Gets or sets a value that specifies whether the collection has been cleared. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [IsSynchronized](http://msdn2.microsoft.com/en-us/library/ms134169) | Gets a value indicating whether access to the collection is synchronized. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Item(Int32)](#_4B8EB8D3_Topic) |  |
| Public property | [Item(String)](#_706BD029_Topic) |  |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [RemoveElementName](http://msdn2.microsoft.com/en-us/library/ms134170) | Gets or sets the name of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the remove operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [SyncRoot](http://msdn2.microsoft.com/en-us/library/ms134171) | Gets an object used to synchronize access to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [ThrowOnDuplicate](http://msdn2.microsoft.com/en-us/library/ea6s6hb8) | Gets a value indicating whether an attempt to add a duplicate [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) will cause an exception to be thrown. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## See Also

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElementCollection Constructor

Initializes a new instance of the [KeyValueElementCollection](#_B0F52567_Topic) class

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public KeyValueElementCollection() |

## See Also

[KeyValueElementCollection Class](#_B0F52567_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElementCollection.KeyValueElementCollection Methods

The [KeyValueElementCollection](#_B0F52567_Topic) type exposes the following members.

## Methods

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [BaseAdd(ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/19tyhxbx) | Adds a configuration element to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseAdd(ConfigurationElement, Boolean)](http://msdn2.microsoft.com/en-us/library/94tzb2x4) | Adds a configuration element to the configuration element collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseAdd(Int32, ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/09d36k3s) | Adds a configuration element to the configuration element collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseClear](http://msdn2.microsoft.com/en-us/library/b4yf3zw6) | Removes all configuration element objects from the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGet(Object)](http://msdn2.microsoft.com/en-us/library/e90fbaaw) | Returns the configuration element with the specified key. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGet(Int32)](http://msdn2.microsoft.com/en-us/library/w493w5yy) | Gets the configuration element at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGetAllKeys](http://msdn2.microsoft.com/en-us/library/9ts4f970) | Returns an array of the keys for all of the configuration elements contained in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseGetKey](http://msdn2.microsoft.com/en-us/library/zf0857te) | Gets the key for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseIndexOf](http://msdn2.microsoft.com/en-us/library/8byca88s) | Indicates the index of the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseIsRemoved](http://msdn2.microsoft.com/en-us/library/wk5tz03f) | Indicates whether the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) with the specified key has been removed from the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseRemove](http://msdn2.microsoft.com/en-us/library/s4cs5s6w) | Removes a [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) from the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [BaseRemoveAt](http://msdn2.microsoft.com/en-us/library/wt92bf00) | Removes the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) at the specified index location. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [CopyTo](http://msdn2.microsoft.com/en-us/library/d22w8c80) | Copies the contents of the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to an array. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [CreateNewElement()](#_49959E0B_Topic) | (Overrides [ConfigurationElementCollection.CreateNewElement()](http://msdn2.microsoft.com/en-us/library/ak7z48w8).) |
| Protected method | [CreateNewElement(String)](http://msdn2.microsoft.com/en-us/library/ky49faah) | Creates a new [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [DeserializeElement](http://msdn2.microsoft.com/en-us/library/ms134126) | Reads XML from the configuration file. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [Equals](http://msdn2.microsoft.com/en-us/library/0eye6ky8) | Compares the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to the specified object. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [Finalize](http://msdn2.microsoft.com/en-us/library/4k87zsw7) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [GetElementKey](#_6BE4D396_Topic) | (Overrides [ConfigurationElementCollection.GetElementKey(ConfigurationElement)](http://msdn2.microsoft.com/en-us/library/bxcte21d).) |
| Public method | [GetEnumerator](http://msdn2.microsoft.com/en-us/library/ms134159) | Gets an [IEnumerator](http://msdn2.microsoft.com/en-us/library/1t2267t6) which is used to iterate through the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [GetHashCode](http://msdn2.microsoft.com/en-us/library/7w9k269c) | Gets a unique value representing the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) instance. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [GetTransformedAssemblyString](http://msdn2.microsoft.com/en-us/library/dd642109) | Returns the transformed version of the specified assembly name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [GetTransformedTypeString](http://msdn2.microsoft.com/en-us/library/dd642039) | Returns the transformed version of the specified type name. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public method | [GetType](http://msdn2.microsoft.com/en-us/library/dfwy45w9) | Gets the [Type](http://msdn2.microsoft.com/en-us/library/42892f65) of the current instance. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Init](http://msdn2.microsoft.com/en-us/library/ms134128) | Sets the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object to its initial state. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [InitializeDefault](http://msdn2.microsoft.com/en-us/library/9kaww10k) | Used to initialize a default set of values for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [IsElementName](http://msdn2.microsoft.com/en-us/library/11833ks2) | Indicates whether the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) exists in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [IsElementRemovable](http://msdn2.microsoft.com/en-us/library/00et13y9) | Indicates whether the specified [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) can be removed from the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [IsModified](http://msdn2.microsoft.com/en-us/library/sdfx3fsd) | Indicates whether this [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) has been modified since it was last saved or loaded when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [IsReadOnly](http://msdn2.microsoft.com/en-us/library/ms134160) | Indicates whether the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) object is read only. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [ListErrors](http://msdn2.microsoft.com/en-us/library/ms134130) | Adds the invalid-property errors in this [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object, and in all subelements, to the passed list. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [MemberwiseClone](http://msdn2.microsoft.com/en-us/library/57ctke0a) | Creates a shallow copy of the current [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b). (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [OnDeserializeUnrecognizedAttribute](http://msdn2.microsoft.com/en-us/library/ms134131) | Gets a value indicating whether an unknown attribute is encountered during deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [OnDeserializeUnrecognizedElement](http://msdn2.microsoft.com/en-us/library/ms134161) | Causes the configuration system to throw an exception. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [OnRequiredPropertyNotFound](http://msdn2.microsoft.com/en-us/library/ms134133) | Throws an exception when a required property is not found. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PostDeserialize](http://msdn2.microsoft.com/en-us/library/ms134134) | Called after deserialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [PreSerialize](http://msdn2.microsoft.com/en-us/library/ms134135) | Called before serialization. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [Reset](http://msdn2.microsoft.com/en-us/library/ms134162) | Resets the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) to its unmodified state when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [ResetModified](http://msdn2.microsoft.com/en-us/library/5t09d48z) | Resets the value of the [IsModified()](http://msdn2.microsoft.com/en-us/library/sdfx3fsd) property to false when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [SerializeElement](http://msdn2.microsoft.com/en-us/library/ms134163) | Writes the configuration data to an XML element in the configuration file when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected method | [SerializeToXmlElement](http://msdn2.microsoft.com/en-us/library/yxcx3y27) | Writes the outer tags of this configuration element to the configuration file when implemented in a derived class. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetPropertyValue](http://msdn2.microsoft.com/en-us/library/ms224426) | Sets a property to the specified value. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected method | [SetReadOnly](http://msdn2.microsoft.com/en-us/library/ms134164) | Sets the [IsReadOnly()](http://msdn2.microsoft.com/en-us/library/ms134160) property for the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) object and for all sub-elements. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public method | [ToString](http://msdn2.microsoft.com/en-us/library/7bxwbwt2) | Returns a string that represents the current object. (Inherited from [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b).) |
| Protected method | [Unmerge](http://msdn2.microsoft.com/en-us/library/ms224411) | Reverses the effect of merging configuration information from different levels of the configuration hierarchy (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## See Also

[KeyValueElementCollection Class](#_B0F52567_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElementCollection.CreateNewElement Method

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected method | [CreateNewElement()](#_49959E0B_Topic) | (Overrides [ConfigurationElementCollection.CreateNewElement()](http://msdn2.microsoft.com/en-us/library/ak7z48w8).) |
| Protected method | [CreateNewElement(String)](http://msdn2.microsoft.com/en-us/library/ky49faah) | Creates a new [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## See Also

[KeyValueElementCollection Class](#_B0F52567_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElementCollection.CreateNewElement Method

[Missing <summary> documentation for "M:HLF.ContextConfig.KeyValueElementCollection.CreateNewElement"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| protected override ConfigurationElement CreateNewElement() |

#### Return Value

Type: [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)  
[Missing <returns> documentation for "M:HLF.ContextConfig.KeyValueElementCollection.CreateNewElement"]

## See Also

[KeyValueElementCollection Class](#_B0F52567_Topic)

[CreateNewElement Overload](#_1C1984FB_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElementCollection.GetElementKey Method

[Missing <summary> documentation for "M:HLF.ContextConfig.KeyValueElementCollection.GetElementKey(System.Configuration.ConfigurationElement)"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| protected override Object GetElementKey(  ConfigurationElement element ) |

#### Parameters

element

Type: [System.Configuration.ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3)

[Missing <param name="element"/> documentation for "M:HLF.ContextConfig.KeyValueElementCollection.GetElementKey(System.Configuration.ConfigurationElement)"]

#### Return Value

Type: [Object](http://msdn2.microsoft.com/en-us/library/e5kfa45b)  
[Missing <returns> documentation for "M:HLF.ContextConfig.KeyValueElementCollection.GetElementKey(System.Configuration.ConfigurationElement)"]

## See Also

[KeyValueElementCollection Class](#_B0F52567_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElementCollection.KeyValueElementCollection Properties

The [KeyValueElementCollection](#_B0F52567_Topic) type exposes the following members.

## Properties

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected property | [AddElementName](http://msdn2.microsoft.com/en-us/library/ms134167) | Gets or sets the name of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the add operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [ClearElementName](http://msdn2.microsoft.com/en-us/library/ms134168) | Gets or sets the name for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the clear operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [CollectionType](#_EC83573E_Topic) |  |
| Public property | [Count](http://msdn2.microsoft.com/en-us/library/yf0s34t1) | Gets the number of elements in the collection. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) | Gets a reference to the top-level [Configuration](http://msdn2.microsoft.com/en-us/library/s7kc101z) instance that represents the configuration hierarchy that the current [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) instance belongs to. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134142) | Gets an [ElementInformation](http://msdn2.microsoft.com/en-us/library/ms134413) object that contains the non-customizable information and functionality of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [ElementName](#_2411C063_Topic) | (Overrides [ConfigurationElementCollection.ElementName](http://msdn2.microsoft.com/en-us/library/8f06bh6s).) |
| Protected property | [ElementProperty](http://msdn2.microsoft.com/en-us/library/ms134143) | Gets the [ConfigurationElementProperty](http://msdn2.microsoft.com/en-us/library/ms134174) object that represents the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object itself. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [EmitClear](http://msdn2.microsoft.com/en-us/library/adedfexe) | Gets or sets a value that specifies whether the collection has been cleared. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [EvaluationContext](http://msdn2.microsoft.com/en-us/library/ms134144) | Gets the [ContextInformation](http://msdn2.microsoft.com/en-us/library/ms134368) object for the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) object. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [HasContext](http://msdn2.microsoft.com/en-us/library/hh136640) | Gets a value that indicates whether the [CurrentConfiguration](http://msdn2.microsoft.com/en-us/library/dd412601) property is null. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [IsSynchronized](http://msdn2.microsoft.com/en-us/library/ms134169) | Gets a value indicating whether access to the collection is synchronized. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Item(Int32)](#_4B8EB8D3_Topic) |  |
| Public property | [Item(String)](#_706BD029_Topic) |  |
| Public property | [LockAllAttributesExcept](http://msdn2.microsoft.com/en-us/library/ms134146) | Gets the collection of locked attributes. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAllElementsExcept](http://msdn2.microsoft.com/en-us/library/ms134147) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockAttributes](http://msdn2.microsoft.com/en-us/library/ms134148) | Gets the collection of locked attributes (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockElements](http://msdn2.microsoft.com/en-us/library/ms134149) | Gets the collection of locked elements. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [LockItem](http://msdn2.microsoft.com/en-us/library/ms134150) | Gets or sets a value indicating whether the element is locked. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [Properties](http://msdn2.microsoft.com/en-us/library/3kx8tt8d) | Gets the collection of properties. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Protected property | [RemoveElementName](http://msdn2.microsoft.com/en-us/library/ms134170) | Gets or sets the name of the [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to associate with the remove operation in the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) when overridden in a derived class. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Public property | [SyncRoot](http://msdn2.microsoft.com/en-us/library/ms134171) | Gets an object used to synchronize access to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et). (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |
| Protected property | [ThrowOnDuplicate](http://msdn2.microsoft.com/en-us/library/ea6s6hb8) | Gets a value indicating whether an attempt to add a duplicate [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3) to the [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et) will cause an exception to be thrown. (Inherited from [ConfigurationElementCollection](http://msdn2.microsoft.com/en-us/library/a35we8et).) |

## See Also

[KeyValueElementCollection Class](#_B0F52567_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElementCollection.CollectionType Property

[Missing <summary> documentation for "P:HLF.ContextConfig.KeyValueElementCollection.CollectionType"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public ConfigurationElementCollectionType CollectionType { get; } |

#### Property Value

Type: [ConfigurationElementCollectionType](http://msdn2.microsoft.com/en-us/library/xtb86yh0)

## See Also

[KeyValueElementCollection Class](#_B0F52567_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElementCollection.ElementName Property

[Missing <summary> documentation for "P:HLF.ContextConfig.KeyValueElementCollection.ElementName"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| protected override string ElementName { get; } |

#### Property Value

Type: [String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

## See Also

[KeyValueElementCollection Class](#_B0F52567_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElementCollection.Item Property

## Overload List

|  |  |  |
| --- | --- | --- |
|  | Name | Description |
| Protected property | [Item(ConfigurationProperty)](http://msdn2.microsoft.com/en-us/library/es150ftc) | Gets or sets a property or attribute of this configuration element. (Inherited from [ConfigurationElement](http://msdn2.microsoft.com/en-us/library/kyx77cz3).) |
| Public property | [Item(Int32)](#_4B8EB8D3_Topic) |  |
| Public property | [Item(String)](#_706BD029_Topic) |  |

## See Also

[KeyValueElementCollection Class](#_B0F52567_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElementCollection.Item Property (Int32)

[Missing <summary> documentation for "P:HLF.ContextConfig.KeyValueElementCollection.Item(System.Int32)"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public KeyValueElement this[  int index ] { get; set; } |

#### Parameters

index

Type: [System.Int32](http://msdn2.microsoft.com/en-us/library/td2s409d)

#### Property Value

Type: [KeyValueElement](#_21BF4E91_Topic)

## See Also

[KeyValueElementCollection Class](#_B0F52567_Topic)

[Item Overload](#_2ADA5A91_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)

# KeyValueElementCollection.Item Property (String)

[Missing <summary> documentation for "P:HLF.ContextConfig.KeyValueElementCollection.Item(System.String)"]

**Namespace:** [HLF.ContextConfig](#_BE2CD7E6_Topic)  
**Assembly:** HLF.ContextConfig (in HLF.ContextConfig.dll) Version: 1.0.0.0 (1.0.0.0)

## Syntax

|  |
| --- |
| C# |
| public KeyValueElement this[  string key ] { get; } |

#### Parameters

key

Type: [System.String](http://msdn2.microsoft.com/en-us/library/s1wwdcbf)

#### Property Value

Type: [KeyValueElement](#_21BF4E91_Topic)

## See Also

[KeyValueElementCollection Class](#_B0F52567_Topic)

[Item Overload](#_2ADA5A91_Topic)

[HLF.ContextConfig Namespace](#_BE2CD7E6_Topic)