

System.Collections.IDictionaryEnumerator

Interface

```
[ILAsm]  
.class interface public abstract IDictionaryEnumerator implements  
System.Collections.IEnumerator  
  
[C#]  
public interface IDictionaryEnumerator: IEnumerator
```

Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- *Version:* 2.0.x.x
- *Attributes:*
 - CLSCompliantAttribute(true)

Implements:

- **System.Collections.IEnumerator**

Summary

Implemented by classes that support the use of an enumerator over a dictionary (i.e., a collection of `System.Collections.DictionaryEntry` objects).

Library: BCL

Description

[*Note:* `System.Collections.IDictionaryEnumerator` contains members that get the properties of `System.Collections.DictionaryEntry` objects.

For detailed information regarding the use of an enumerator, see `System.Collections.IEnumerator`.

]

1 IDictionaryEnumerator.Entry Property

```
2 [ILAsm]
3 .property valuetype System.Collections.DictionaryEntry Entry { public
4 hidebysig virtual abstract specialname valuetype
5 System.Collections.DictionaryEntry get_Entry() }

6 [C#]
7 DictionaryEntry Entry { get; }
```

8 Summary

9 Gets the System.Collections.DictionaryEntry in the collection over which the
10 current instance is positioned.

11 Property Value

12 The System.Collections.DictionaryEntry in the collection over which the current
13 instance is positioned.

14 Description

15 This property is read-only.

16 Behaviors

17 It is required that a call to System.Collections.IDictionaryEnumerator.Entry leave
18 the position of the enumerator unchanged: consecutive calls to this property are
19 required to return the same System.Object until
20 System.Collections.IEnumerator.MoveNext or
21 System.Collections.IEnumerator.Reset is called.

23 Usage

24 Use System.Collections.IDictionaryEnumerator.Entry to get the same data that
25 would be provided by a call to System.Collections.IEnumerator.Current. Because
26 this property is a System.Collections.DictionaryEntry, boxing is not required as it is
27 for System.Collections.IEnumerator.Current; therefore, for this operation,
28 System.Collections.IDictionaryEnumerator.Entry has reduced overhead compared
29 to System.Collections.IEnumerator.Current.

31 Exceptions

Exception	Condition
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System.InvalidOperationException	<p>The System.Collections.IDictionaryEnumerator is positioned before the first element of the dictionary or after the last element.</p> <p>-or-</p> <p>The dictionary was modified after the System.Collections.IDictionaryEnumerator was created.</p>
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IEnumerator.Key Property

```
[ILAsm]
.property object Key { public hidebysig virtual abstract specialname
object get_Key() }

[C#]
object Key { get; }
```

Summary

Gets the System.Collections.DictionaryEntry.Key of the System.Collections.DictionaryEntry in the collection over which the current instance is positioned.

Property Value

A System.Object that contains the System.Collections.DictionaryEntry.Key of the System.Collections.DictionaryEntry in the collection over which the current instance is positioned.

Description

This property is read-only.

Behaviors

It is required that reading System.Collections.IDictionaryEnumerator.Key leave the position of the enumerator unchanged: consecutive calls to this property are required to return the same System.Object until System.Collections.IEnumerator.MoveNext or System.Collections.IEnumerator.Reset is called.

Exceptions

Exception	Condition
System.InvalidOperationException	The System.Collections.IDictionaryEnumerator is positioned before the first element of the dictionary or after the last element.
	-or-
	The dictionary was modified after the System.Collections.IDictionaryEnumerator was instantiated.

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IEnumerator.Value Property

```
[ILAsm]  
.property object Value { public hidebysig virtual abstract specialname  
object get_Value() }  
  
[C#]  
object Value { get; }
```

Summary

Gets the System.Collections.DictionaryEntry.Value of the System.Collections.DictionaryEntry in the collection over which the current instance is positioned.

Property Value

A System.Object that contains the System.Collections.DictionaryEntry.Value of the System.Collections.DictionaryEntry in the collection over which the current instance is positioned.

Description

This property is read-only.

Behaviors

It is required that a call to System.Collections.IEnumerator.Value leave the position of the enumerator unchanged: consecutive calls to this property are required to return the same System.Object until System.Collections.IEnumerator.MoveNext or System.Collections.IEnumerator.Reset is called.

Exceptions

Exception	Condition
System.InvalidOperationException	The System.Collections.IEnumerator is positioned before the first element of the dictionary or after the last element.
	-or-
	The dictionary was modified after the System.Collections.IEnumerator was

	created.
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