

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 00 04 00 00 00 00 00 00]
- *Version:* 1.0.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
4 Entry { public hidebysig virtual abstract specialname
5 valuetype System.Collections.DictionaryEntry get_Entry() }

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

8 Summary

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

11 Property Value

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

15 Description

16 This property is read-only.

17 Behaviors

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

24 Usage

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

33 Exceptions

Exception	Condition
System.InvalidOperationException	The

1
2
3

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 created.

1 IDictionaryEnumerator.Key Property

```
2 [ILASM]
3 .property object Key { public hidebysig virtual abstract
4 specialname object get_Key() }

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

7 Summary

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

11 Property Value

13 A **System.Object** that contains the
14 **System.Collections.DictionaryEntry.Key** of the
15 **System.Collections.DictionaryEntry** in the collection over which the
16 current instance is positioned.

17 Description

18 This property is read-only.

19 Behaviors

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

26 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

1
2
3

	was instantiated.
--	-------------------

1 IDictionaryEnumerator.Value Property

```
2 [ILASM]
3 .property object Value { public hidebysig virtual abstract
4 specialname object get_Value() }

5 [C#]
6 object Value { get; }
```

7 Summary

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

11 Property Value

13 A **System.Object** that contains the
14 **System.Collections.DictionaryEntry.Value** of the
15 **System.Collections.DictionaryEntry** in the collection over which the
16 current instance is positioned.

17 Description

18 This property is read-only.

19 Behaviors

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

26 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

1
2

	was created.
--	--------------