

# 1 System.Collections.IDictionaryEnumerator 2 Interface

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```
5 [ILASM]  
6 .class interface public abstract IDictionaryEnumerator  
7 implements System.Collections.IEnumerator  
8 [C#]  
9 public interface IDictionaryEnumerator: IEnumerator
```

## 10 Assembly Info:

- 11 • *Name*: mscorlib
- 12 • *Public Key*: [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 13 • *Version*: 1.0.x.x
- 14 • *Attributes*:
  - 15 ○ CLSCompliantAttribute(true)

## 16 Implements:

- 17 • **System.Collections.IEnumerator**

## 18 Summary

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

23 **Library**: BCL

24

## 25 Description

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

29

30 For detailed information regarding the use of an enumerator, see  
31 **System.Collections.IEnumerator**.]

32

# 1 DictionaryEnumerator.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  
7 [C#]  
8 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

12

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

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Exception	Condition
<b>System.InvalidOperationException</b>	The

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**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
6 [C#]
7 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

12  
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

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28

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

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	was instantiated.
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# 1 IDictionaryEnumerator.Value Property

```
2 [ILASM]
3 .property object Value { public hidebysig virtual abstract
4 specialname object get_Value() }
5
6 [C#]
7 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

12

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

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28

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

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	was created.
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