

# 1 System.Collections.DictionaryEntry Structure

```
2 [ILAsm]  
3 .class public sequential sealed serializable DictionaryEntry extends  
4 System.ValueType  
  
5 [C#]  
6 public struct DictionaryEntry
```

## 7 Assembly Info:

- 8 • *Name:* mscorlib
- 9 • *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 10 • *Version:* 2.0.x.x
- 11 • *Attributes:*
  - 12 ○ CLSCompliantAttribute(true)

## 13 Summary

14 Represents a dictionary entry consisting of a  
15 System.Collections.DictionaryEntry.Key and an associated  
16 System.Collections.DictionaryEntry.Value.

## 17 Inherits From: System.ValueType

18

19 **Library:** BCL

20

21 **Thread Safety:** All public static members of this type are safe for multithreaded operations.  
22 No instance members are guaranteed to be thread safe.

23

## 24 Description

25 [*Note:* Some types that manage or access collections of objects, such as  
26 System.Collections.Hashtable and System.Collections.IDictionaryEnumerator,  
27 rely on the use of one or more pairs of a key object and an associated value object.  
28 System.Collections.DictionaryEntry provides this functionality.

29

30 This structure supports the C# foreach semantics for System.Collections.Hashtable.

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32 ]

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# 1 DictionaryEntry(System.Object, 2 System.Object) Constructor

```
3 [ILAsm]  
4 public rtspecialname specialname instance void .ctor(object key, object  
5 value)  
  
6 [C#]  
7 public DictionaryEntry(object key, object value)
```

## 8 Summary

9 Constructs and initializes a new instance of the System.Collections.DictionaryEntry  
10 class with the specified key and value objects.

## 11 Parameters

Parameter	Description
<i>key</i>	The System.Object defined to reference a dictionary entry.
<i>value</i>	The System.Object that contains the content associated with <i>key</i> .

## 12 13 Exceptions

Exception	Condition
<b>System.ArgumentNullException</b>	<i>key</i> is null.

14  
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# 1 DictionaryEntry.Key Property

```
2 [ILAsm]  
3 .property object Key { public hidebysig specialname instance object  
4 get_Key() public hidebysig specialname instance void set_Key(object value)  
5 }  
6 [C#]  
7 public object Key { get; set; }
```

## 8 Summary

9 Gets or sets an object representing the key of the current  
10 System.Collections.DictionaryEntry.

## 11 Property Value

12 A System.Object representing the key of the current  
13 System.Collections.DictionaryEntry.

## 14 Exceptions

Exception	Condition
System.ArgumentNullException	Set <i>value</i> is null.

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# 1 DictionaryEntry.Value Property

```
2 [ILAsm]  
3 .property object Value { public hidebysig specialname instance object  
4 get_Value() public hidebysig specialname instance void set_Value(object  
5 value) }  
6 [C#]  
7 public object Value { get; set; }
```

## 8 Summary

9 Gets or sets an object representing the content of the current  
10 System.Collections.DictionaryEntry.

## 11 Property Value

12 A System.Object representing the content of the current  
13 System.Collections.DictionaryEntry.

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