

# 1 **System.Collections.Generic.KeyValuePair<K,V** 2 **> Structure**

```
3 [ILAsm]  
4 .class public sequential sealed serializable  
5 System.Collections.Generic.KeyValuePair`2<K,V> extends System.ValueType  
  
6 [C#]  
7 public struct KeyValuePair<K,V>
```

## 8 **Assembly Info:**

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

## 14 **Summary**

15 Defines a key/value pair that can be set or retrieved.

## 16 **Inherits From: System.ValueType**

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## 18 **Library:** BCL

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20 **Thread Safety:** This type is safe for multithreaded operations, provided that reading and  
21 writing operations on K and V are atomic.

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# 1 KeyValuePair<K,V> (K, V) Constructor

```
2 [ILAsm]  
3 public rtspecialname specialname instance void .ctor(!0 key, !1 value)  
4 [C#]  
5 public KeyValuePair(K key, V value)
```

## 6 Summary

7 Initializes a new key/value pair with the specified key and value.

## 8 Parameters

Parameter	Description
<i>key</i>	The key of the key/value pair.
<i>value</i>	The value of the key/value pair.

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# 1 KeyValuePair<K,V>.Key Field

```
2 [ILAsm]  
3 .field public !0 Key  
4 [C#]  
5 public K Key
```

## 6 Summary

7 The key in the key/value pair.

8

# 1 KeyValuePair<K,V>.Value Field

```
2 [ILAsm]  
3 .field public !1 Value  
4 [C#]  
5 public V Value
```

## 6 Summary

7 The value in the key/value pair.

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