

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

```
[ILAsm]
.class public sequential sealed serializable
System.Collections.Generic.KeyValuePair`2<K,V> extends System.ValueType

[C#]
public struct KeyValuePair<K,V>
```

## 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)

## Summary

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

## Inherits From: System.ValueType

**Library:** BCL

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

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

```
[ILAsm]
public rtspecialname specialname instance void .ctor(!0 key, !1 value)

[C#]
public KeyValuePair(K key, V value)
```

## Summary

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

## Parameters

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

# 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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