

# 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.

## KeyValuePair<K,V>.Key Property

```
[ILAsm]  
.property !0 Key { public hidebysig specialname !0 get_Key() }  
  
[C#]  
public K Key { get; }
```

### Summary

Gets the key in the key/value pair.

### Property Value

A K that specifies the key in the key/value pair.

## KeyValuePair<K,V>.Value Property

```
[ILAsm]  
.property !1 Value { public hidebysig specialname !1 get_Value() }  
  
[C#]  
public V Value { get; }
```

### Summary

Gets the value in the key/value pair.

### Property Value

A V that specifies the value in the key/value pair.