

1 System.Collections.Generic.Dictionary<TKey, 2 TValue>.KeyCollection.Enumerator Structure

```
3 [ILAsm]  
4 .class sequential sealed nested public serializable  
5 System.Collections.Generic.Dictionary`2/KeyCollection/Enumerator<TKey,TVal  
6 ue> extends System.ValueType implements  
7 System.Collections.Generic.IEnumerator`1<!0>, System.IDisposable,  
8 System.Collections.IEnumerator  
  
9 [C#]  
10 public struct Dictionary<TKey,TValue>.KeyCollection.Enumerator:  
11 IEnumerable<TKey>, IDisposable, IEnumerator
```

12 Assembly Info:

- 13 • *Name:* mscorlib
- 14 • *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 15 • *Version:* 2.0.x.x
- 16 • *Attributes:*
 - 17 ○ CLSCompliantAttribute(true)

18 Implements:

- 19 • **System.IDisposable**
- 20 • **System.Collections.IEnumerator**
- 21 • **System.Collections.Generic.IEnumerator<TKey>**

22 Summary

23 Enumerates the elements of a key collection.

24 Inherits From: System.ValueType

25

26 **Library:** BCL

27

28 **Thread Safety:** Static members of this type are thread safe. Any instance members are not
29 guaranteed to be thread safe.

30

31 Description

32 If the underlying dictionary is modified, or the value of any key in that dictionary is
33 modified, the behavior of the enumerator is unspecified.

34

35 For information on the behavior of enumerators, see the Description section of
36 System.Collections.Generic.IEnumerator<T>.

37

1 Default implementations of collections in `System.Collections.Generic` are not
2 synchronized.

3

1
2 **Dictionary<TKey,TValue>.KeyCollection.Enumerator.Dispose() Method**
3

```
4 [ILAsm]  
5 .method public hidebysig void Dispose()  
6 [C#]  
7 public void Dispose()
```

8 **Summary**

9 This method is implemented to support the `System.IDisposable` interface.

10

1
2 **Dictionary<TKey,TValue>.KeyCollection.Enumerator.MoveNext() Method**
3

```
4 [ILAsm]  
5 .method public hidebysig bool MoveNext()  
6 [C#]  
7 public bool MoveNext()
```

8 **Summary**

9 This method is implemented to support the System.Collections.IEnumerator and
10 System.Collections.Generic.IEnumerator<T> interfaces.

11

1
2 **Dictionary<TKey,TValue>.KeyCollection.Enumer**
3 **ator.System.Collections.IEnumerator.Reset**
4 **() Method**

```
5 [ILAsm]  
6 .method private hidebysig virtual final void  
7 System.Collections.IEnumerator.Reset()  
  
8 [C#]  
9 void IEnumerator.Reset()
```

10 **Summary**

11 This method is implemented to support the System.Collections.IEnumerator
12 interface.

13

1
2 **Dictionary<TKey,TValue>.KeyCollection.Enumerator.Current Property**
3

```
4 [ILAsm]  
5 .property !0 Current { public hidebysig specialname !0 get_Current() }  
6 [C#]  
7 public TKey Current { get; }
```

8 **Summary**

9 This read-only property is implemented to support the
10 System.Collections.Generic.IEnumerator<T> interface.

11

1
2 **Dictionary<TKey,TValue>.KeyCollection.Enumer**
3 **ator.System.Collections.IEnumerator.Curre**
4 **nt Property**

```
5 [ILAsm]  
6 .property object System.Collections.IEnumerator.Current { private  
7 hidebysig virtual final specialname object get_Current() }  
8  
9 [C#]  
10 object IEnumerator.Current { get; }
```

10 **Summary**

11 This read-only property is implemented to support the
12 System.Collections.IEnumerator interface.

13