

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

```
[ILAsm]
.class sequential sealed nested public serializable
System.Collections.Generic.Dictionary`2/KeyCollection/Enumerator<TKey,TValue> extends System.ValueType implements
System.Collections.Generic.IEnumerator`1<!0>, System.IDisposable,
System.Collections.IEnumerator

[C#]
public struct Dictionary<TKey,TValue>.KeyCollection.Enumerator:
IEnumerator<TKey>, IDisposable, IEnumerator
```

## Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- *Version:* 2.0.x.x
- *Attributes:*
  - CLSCompliantAttribute(true)

## Implements:

- **System.IDisposable**
- **System.Collections.IEnumerator**
- **System.Collections.Generic.IEnumerator<TKey>**

## Summary

Enumerates the elements of a key collection.

## Inherits From: System.ValueType

**Library:** BCL

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

## Description

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

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

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

3

## Dictionary<TKey,TValue>.KeyCollection.Enumerator.Dispose() Method

```
[ILAsm]  
.method public hidebysig void Dispose()  
  
[C#]  
public void Dispose()
```

### Summary

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

## Dictionary<TKey,TValue>.KeyCollection.Enumerator.MoveNext() Method

```
[ILAsm]  
.method public hidebysig bool MoveNext()  
  
[C#]  
public bool MoveNext()
```

### Summary

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

## Dictionary<TKey,TValue>.KeyCollection.Enumerator.System.Collections.IEnumerator.Reset() () Method

```
[ILAsm]  
.method private hidebysig virtual final void  
System.Collections.IEnumerator.Reset()
```

```
[C#]  
void IEnumerator.Reset()
```

### Summary

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

## Dictionary<TKey,TValue>.KeyCollection.Enumerator.Current Property

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

### Summary

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

## Dictionary<TKey,TValue>.KeyCollection.Enumerator.System.Collections.IEnumerator.Current Property

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

### Summary

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