

1 System.Collections.Generic.List<T>.Enumerat 2 or Structure

```
3 [ILAsm]  
4 .class sequential sealed nested public serializable  
5 System.Collections.Generic.List`1<T>.Enumerator<T> extends  
6 System.ValueType implements System.Collections.Generic.IEnumerator`1<!0>,  
7 System.IDisposable, System.Collections.IEnumerator  
  
8 [C#]  
9 public struct List<T>.Enumerator: IEnumerator<T>, IDisposable, IEnumerator
```

10 Assembly Info:

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

16 Implements:

- 17 • **System.IDisposable**
- 18 • **System.Collections.IEnumerator**
- 19 • **System.Collections.Generic.IEnumerator<T>**

20 Summary

21 Enumerates the elements of a List.

22 Inherits From: System.ValueType

23

24 **Library:** BCL

25

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

28

29 Description

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

32

33 Default implementations of collections in System.Collections.Generic are not
34 synchronized.

35

36 This type is a member of type System.Collections.Generic.List<T>.

37

1 List<T>.Enumerator.Dispose() Method

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

6 Summary

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

8 Usage

9 Note to inheritors: System.Collections.Generic.List<T>.Enumerator.Dispose. can
10 be called multiple times by other objects. When overriding this method, do not reference
11 objects that have been previously disposed of in an earlier call to
12 System.Collections.Generic.List<T>.Enumerator.Dispose.

13

1 List<T>.Enumerator.MoveNext() Method

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

6 Summary

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

9

1
2 **List<T>.Enumerator.System.Collections.IEnumerator.Reset() Method**
3

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

9 **Summary**

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

12

1 List<T>.Enumerator.Current Property

```
2 [ILAsm]  
3 .property !0 Current { public hidebysig specialname !0 get_Current() }  
4 [C#]  
5 public T Current { get; }
```

6 Summary

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

9

1
2 **List<T>.Enumerator.System.Collections.IEnumerator.Current** Property
3

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

9 **Summary**

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

12