

System.Collections.IEnumerable Interface

```
[ILAsm]  
.class interface public abstract IEnumerable  
  
[C#]  
public interface IEnumerable
```

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

Implemented by classes that support a simple iteration over instances of the collection.

Library: BCL

Description

[*Note:* System.Collections.IEnumerable contains the System.Collections.IEnumerable.GetEnumerator method. The consumer of an object should call this method to obtain an enumerator for simple iteration over an instance of a collection.

Implement this interface to support the foreach semantics of C#.

]

IEnumerable.GetEnumerator() Method

```
[ILAsm]  
.method public hidebysig virtual abstract class  
System.Collections.IEnumerator GetEnumerator()  
  
[C#]  
IEnumerator GetEnumerator()
```

Summary

Returns a `System.Collections.IEnumerator` that can be used for simple iteration over a collection.

Return Value

A `System.Collections.IEnumerator` that can be used for simple iteration over a collection.

Behaviors

As described above.

Usage

For a detailed description regarding the use of an enumerator, see `System.Collections.IEnumerator`.