

# System.Runtime.InteropServices.GCHandleType Enum

```
[ILAsm]  
.class public sealed serializable GCHandleType extends System.Enum  
  
[C#]  
public enum GCHandleType
```

## 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)

## Summary

Represents the types of handles the System.Runtime.InteropServices.GCHandle class can allocate.

## Inherits From: System.Enum

**Library:** RuntimeInfrastructure

# GCHandleType.Normal Field

```
[ILAsm]  
.field public static literal valuetype  
System.Runtime.InteropServices.GCHandleType Normal = 2  
  
[C#]  
Normal = 2
```

## Summary

A `System.Runtime.InteropServices.GCHandleType.Normal` is an opaque handle, and the address of the object it references cannot be resolved through it. The `System.Runtime.InteropServices.GCHandleType.Normal` also prevents the collection of the referenced object by the GC.

## GCHandleType.Pinned Field

```
[ILAsm]  
.field public static literal valuetype  
System.Runtime.InteropServices.GCHandleType Pinned = 3  
  
[C#]  
Pinned = 3
```

### Summary

Similar to `System.Runtime.InteropServices.GCHandleType.Normal`, but allows the address of the object, which the current `System.Runtime.InteropServices.GCHandle` represents to be taken.