

1 System.MarshalByRefObject Class

```
2 [ILAsm]  
3 .class public abstract serializable MarshalByRefObject extends  
4 System.Object  
  
5 [C#]  
6 public abstract class MarshalByRefObject
```

7 Assembly Info:

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

13 Summary

14 Enables access to objects across application domain boundaries in implementations that
15 support remoting.

16 Inherits From: System.Object

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18 **Library:** BCL

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20 **Thread Safety:** All public static members of this type are safe for multithreaded operations.
21 No instance members are guaranteed to be thread safe.

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23 Description

24 [*Note:* An application domain is a partition in an OS process where one or more
25 applications reside. Objects in the same application domain communicate directly.
26 Objects that reside in different application domains communicate either by transporting
27 copies of objects across application domain boundaries, or by exchanging messages via
28 proxy.]

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32 `System.MarshalByRefObject` is the base class for objects that communicate across
33 application domain boundaries by exchanging messages via a proxy. Objects that do not
34 inherit from `System.MarshalByRefObject` are implicitly *marshal by value*. When a
35 remote application references a *marshal by value* object, a copy of the object is passed
36 across application domain boundaries.

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