

1 System.MarshalByRefObject Class

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```
4 [ILASM]  
5 .class public abstract serializable MarshalByRefObject  
6 extends System.Object  
  
7 [C#]  
8 public abstract class MarshalByRefObject
```

9 Assembly Info:

- 10 • Name: mscorlib
- 11 • Public Key: [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 12 • Version: 1.0.x.x
- 13 • Attributes:
 - 14 ○ CLSCompliantAttribute(true)

15 Summary

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17 Enables access to objects across application domain boundaries in
18 implementations that support remoting.

19 Inherits From: System.Object

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21 Library: BCL

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

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26 Description

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

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

39