

System.OutOfMemoryException Class

```
[ILASM]
.class public serializable OutOfMemoryException extends
System.SystemException

[C#]
public class OutOfMemoryException: SystemException
```

Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- *Version:* 1.0.x.x
- *Attributes:*
 - CLSCompliantAttribute(true)

Summary

Represents the error that occurs when insufficient memory prevents the current memory allocation from succeeding.

Inherits From: System.SystemException

Library: BCL

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

Description

[*Note:* The following IL instructions throw **System.OutOfMemoryException**:

- box
- newarr
- newobj

]

1 OutOfMemoryException() Constructor

```
2 [ILASM]  
3 public rtspecialname specialname instance void .ctor()  
4 [C#]  
5 public OutOfMemoryException()
```

6 Summary

7 Constructs and initializes a new instance of the
8 **System.OutOfMemoryException** class.

9 Description

10 This constructor initializes the
11 **System.OutOfMemoryException.Message** property of the new
12 instance to a system-supplied message that describes the error, such
13 as "There was not enough memory to continue the execution of the
14 program." This message takes into account the current system culture.
15

16 The **System.OutOfMemoryException.InnerException** property is
17 initialized to **null**.

18

1 OutOfMemoryException(System.String) 2 Constructor

```
3 [ILASM]  
4 public rtspecialname specialname instance void .ctor(string  
5 message)  
  
6 [C#]  
7 public OutOfMemoryException(string message)
```

8 Summary

9 Constructs and initializes a new instance of the
10 **System.OutOfMemoryException** class.

11 Parameters

12
13

Parameter	Description
<i>message</i>	A System.String that describes the error. The content of message is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture.

14

15 Description

16 This constructor initializes the
17 **System.OutOfMemoryException.Message** property of the new
18 instance using *message*. If *message* is **null**, the
19 **System.OutOfMemoryException.Message** property is initialized to
20 the system-supplied message provided by the constructor that takes
21 no arguments. The
22 **System.OutOfMemoryException.InnerException** property is
23 initialized to **null**.

24

1 OutOfMemoryException(System.String, 2 System.Exception) Constructor

```
3 [ILASM]  
4 public rtspecialname specialname instance void .ctor(string  
5 message, class System.Exception innerException)  
  
6 [C#]  
7 public OutOfMemoryException(string message, Exception  
8 innerException)
```

9 Summary

10 Constructs and initializes a new instance of the
11 **System.OutOfMemoryException** class.

12 Parameters

Parameter	Description
<i>message</i>	A System.String that describes the error. The content of message is intended to be understood by humans. The caller of this constructor is required to ensure that this string has been localized for the current system culture.
<i>innerException</i>	An instance of System.Exception that is the cause of the current Exception. If <i>innerException</i> is non-null, then the current Exception was raised in a catch block handling <i>innerException</i> .

16 Description

17 This constructor initializes the
18 **System.OutOfMemoryException.Message** property of the new
19 instance using *message*, and the
20 **System.OutOfMemoryException.InnerException** property using
21 *innerException*. If *message* is **null**, the
22 **System.OutOfMemoryException.Message** property is initialized to
23 the system-supplied message provided by the constructor that takes
24 no arguments.

26 [Note: For information on inner exceptions, see
27 **System.Exception.InnerException**.]