

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 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**.

OutOfMemoryException(System.String) Constructor

```
[ILASM]  
public rtspecialname specialname instance void .ctor(string  
message)  
  
[C#]  
public OutOfMemoryException(string message)
```

Summary

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

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.

Description

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

OutOfMemoryException(System.String, System.Exception) Constructor

```
[ILASM]
public rtspecialname specialname instance void .ctor(string
message, class System.Exception innerException)

[C#]
public OutOfMemoryException(string message, Exception
innerException)
```

Summary

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

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> .

Description

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

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