

# 1 System.CannotUnloadAppDomainException

## 2 Class

```
3 [ILAsm]  
4 .class public serializable CannotUnloadAppDomainException extends  
5 System.SystemException  
  
6 [C#]  
7 public class CannotUnloadAppDomainException: SystemException
```

### 8 Assembly Info:

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

### 14 Summary

15 Represents the error that occurs when an attempt to unload an application domain fails.

### 16 Inherits From: System.SystemException

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18 **Library:** RuntimeInfrastructure

19

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 System.CannotUnloadAppDomainException is thrown when there is an attempt to  
25 unload:

- 26 • The default application domain, which must remain loaded during the lifetime of the  
27 application.
- 28 • An application domain with a running thread that cannot immediately stop execution.
- 29 • An application domain that has already been unloaded.

### 30 Example

31 The following example demonstrates an error that causes the  
32 System.CannotUnloadAppDomainException exception to be thrown.

33

34 [C#]

```
1 using System;
2 using System.Threading;
3
4 public class CannotUnloadAppDomainExceptionTest {
5     public static void Main() {
6         AppDomain ad = Thread.GetDomain();
7         AppDomain.Unload(ad);
8     }
9 }
```

10 The output is

```
11
12 Unhandled Exception: System.CannotUnloadAppDomainException: The default
13 domain cannot be unloaded.
14     at System.AppDomain.Unload(AppDomain domain)
15     at CannotUnloadAppDomainExceptionTest.Main()
```

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# 1 CannotUnloadAppDomainException() 2 Constructor

```
3 [ILAsm]  
4 public rtspecialname specialname instance void .ctor()  
5 [C#]  
6 public CannotUnloadAppDomainException()
```

## 7 Summary

8 Constructs and initializes a new instance of the  
9 System.CannotUnloadAppDomainException class.

## 10 Description

11 This constructor initializes the System.CannotUnloadAppDomainException.Message  
12 property of the new instance to a system-supplied message that describes the error,  
13 such as "Attempt to unload the AppDomain failed." This message takes into account the  
14 current system culture.

15  
16 The System.CannotUnloadAppDomainException.InnerException property of the new  
17 instance is initialized to null.

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# CannotUnloadAppDomainException(System.String) Constructor

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

## Summary

Constructs and initializes a new instance of the System.CannotUnloadAppDomainException class.

## Parameters

Parameter	Description
<i>message</i>	A System.String that describes the error. The content of <i>message</i> 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.CannotUnloadAppDomainException.Message property of the new instance using *message*. If *message* is null, the System.CannotUnloadAppDomainException.Message property is initialized to the system-supplied message provided by the constructor that takes no arguments.

The System.CannotUnloadAppDomainException.InnerException property of the new instance is initialized to null.

# CannotUnloadAppDomainException(System.String, System.Exception) Constructor

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

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

## Summary

Constructs and initializes a new instance of the `System.CannotUnloadAppDomainException` class.

## Parameters

Parameter	Description
<i>message</i>	A <code>System.String</code> that describes the error. The content of <i>message</i> 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 <code>System.Exception</code> that is the cause of the current exception. If <i>innerException</i> is not a null reference, the current exception was raised in a catch block handling <i>innerException</i> .

## Description

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

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