

# System.CannotUnloadAppDomainException Class

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

[C#]
public class CannotUnloadAppDomainException:
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 an attempt to unload an application domain fails.

## Inherits From: System.SystemException

**Library:** RuntimeInfrastructure

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

## Description

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

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

## Example

1 The following example demonstrates an error that causes the  
2 **System.CannotUnloadAppDomainException** exception to be  
3 thrown.

```
4 [C#  
5  
6 using System;  
7 using System.Threading;  
8  
9 public class CannotUnloadAppDomainExceptionTest {  
10     public static void Main() {  
11         AppDomain ad = Thread.GetDomain();  
12         AppDomain.Unload(ad);  
13     }  
14 }
```

15 The output is

```
16  
17 Unhandled Exception: System.CannotUnloadAppDomainException:  
18 The default domain cannot be unloaded.  
19     at System.AppDomain.Unload(AppDomain domain)  
20     at CannotUnloadAppDomainExceptionTest.Main()  
21
```

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

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

19

# 1 CannotUnloadAppDomainException(System.String) Constructor

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

## 8 Summary

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

## 11 Parameters

12  
13

Parameter	Description
<i>message</i>	A <b>System.String</b> 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.

14  
15

## 15 Description

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

22  
23  
24

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

25

# 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 <b>System.String</b> 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 <b>System.Exception</b> that is the cause of the current exception. If <i>innerException</i> is not a <b>null</b> 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**.]