ApplicationManager Class

**.NET Framework 4**

[Other Versions](javascript:;)

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Manages ASP.NET application domains for an ASP.NET hosting application.

[Inheritance Hierarchy](javascript:void(0))

[System.Object](http://msdn.microsoft.com/en-us/library/system.object(v=vs.100).aspx)  
  [System.MarshalByRefObject](http://msdn.microsoft.com/en-us/library/system.marshalbyrefobject(v=vs.100).aspx)  
    System.Web.Hosting.ApplicationManager

**Namespace:**  [System.Web.Hosting](http://msdn.microsoft.com/en-us/library/system.web.hosting(v=vs.100).aspx)  
**Assembly:**  System.Web (in System.Web.dll)

[Syntax](javascript:void(0))

C#

[**C++**](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager(v=vs.100).aspx?cs-save-lang=1&cs-lang=cpp#code-snippet-1)

[**F#**](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager(v=vs.100).aspx?cs-save-lang=1&cs-lang=fsharp#code-snippet-1)

[**VB**](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager(v=vs.100).aspx?cs-save-lang=1&cs-lang=vb#code-snippet-1)

public sealed class ApplicationManager : MarshalByRefObject

The ApplicationManager type exposes the following members.

[Methods](javascript:void(0))

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Description** |
| Public method | [Close](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager.close(v=vs.100).aspx) | Shuts down all application domains. |
| Public method | [CreateObject(IApplicationHost, Type)](http://msdn.microsoft.com/en-us/library/ms557055(v=vs.100).aspx) | Creates an object for the specified application domain, based on type. |
| Public method | [CreateObject(String, Type, String, String, Boolean)](http://msdn.microsoft.com/en-us/library/ms223297(v=vs.100).aspx) | Creates an object for the specified application domain based on type, virtual and physical paths, and a Boolean value indicating failure behavior when an object of the specified type already exists. |
| Public method | [CreateObject(String, Type, String, String, Boolean, Boolean)](http://msdn.microsoft.com/en-us/library/ms223298(v=vs.100).aspx) | Creates an object for the specified application domain based on type, virtual and physical paths, a Boolean value indicating failure behavior when an object of the specified type already exists, and a Boolean value indicating whether hosting initialization error exceptions are thrown. |
| Public method | [CreateObjRef](http://msdn.microsoft.com/en-us/library/system.marshalbyrefobject.createobjref(v=vs.100).aspx) | Creates an object that contains all the relevant information required to generate a proxy used to communicate with a remote object. (Inherited from [MarshalByRefObject](http://msdn.microsoft.com/en-us/library/system.marshalbyrefobject(v=vs.100).aspx).) |
| Public method | [Equals(Object)](http://msdn.microsoft.com/en-us/library/bsc2ak47(v=vs.100).aspx) | Determines whether the specified [Object](http://msdn.microsoft.com/en-us/library/system.object(v=vs.100).aspx) is equal to the current [Object](http://msdn.microsoft.com/en-us/library/system.object(v=vs.100).aspx). (Inherited from[Object](http://msdn.microsoft.com/en-us/library/system.object(v=vs.100).aspx).) |
| Protected method | [Finalize](http://msdn.microsoft.com/en-us/library/system.object.finalize(v=vs.100).aspx) | Allows an object to try to free resources and perform other cleanup operations before it is reclaimed by garbage collection. (Inherited from [Object](http://msdn.microsoft.com/en-us/library/system.object(v=vs.100).aspx).) |
| Public method | [GetAppDomain(IApplicationHost)](http://msdn.microsoft.com/en-us/library/ee732209(v=vs.100).aspx) | Gets the application domain of an application using the specified host. |
| Public method | [GetAppDomain(String)](http://msdn.microsoft.com/en-us/library/ee732219(v=vs.100).aspx) | Gets the application domain of the specified application. |
| Public methodStatic member | [GetApplicationManager](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager.getapplicationmanager(v=vs.100).aspx) | Returns the single instance of the ApplicationManager object associated with this ASP.NET host process. |
| Public method | [GetHashCode](http://msdn.microsoft.com/en-us/library/system.object.gethashcode(v=vs.100).aspx) | Serves as a hash function for a particular type. (Inherited from [Object](http://msdn.microsoft.com/en-us/library/system.object(v=vs.100).aspx).) |
| Public method | [GetLifetimeService](http://msdn.microsoft.com/en-us/library/system.marshalbyrefobject.getlifetimeservice(v=vs.100).aspx) | Retrieves the current lifetime service object that controls the lifetime policy for this instance. (Inherited from [MarshalByRefObject](http://msdn.microsoft.com/en-us/library/system.marshalbyrefobject(v=vs.100).aspx).) |
| Public method | [GetObject](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager.getobject(v=vs.100).aspx) | Returns the registered object of the specified type from the specified application. |
| Public method | [GetRunningApplications](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager.getrunningapplications(v=vs.100).aspx) | Returns a snapshot of running applications. |
| Public method | [GetType](http://msdn.microsoft.com/en-us/library/system.object.gettype(v=vs.100).aspx) | Gets the [Type](http://msdn.microsoft.com/en-us/library/system.type(v=vs.100).aspx) of the current instance. (Inherited from [Object](http://msdn.microsoft.com/en-us/library/system.object(v=vs.100).aspx).) |
| Public method | [InitializeLifetimeService](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager.initializelifetimeservice(v=vs.100).aspx) | Gives the application domain an infinite lifetime by preventing a lease from being created. (Overrides [MarshalByRefObject.InitializeLifetimeService()](http://msdn.microsoft.com/en-us/library/system.marshalbyrefobject.initializelifetimeservice(v=vs.100).aspx).) |
| Public method | [IsIdle](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager.isidle(v=vs.100).aspx) | Returns a value indicating whether all applications hosted by the process are idle and not processing requests. |
| Protected method | [MemberwiseClone()](http://msdn.microsoft.com/en-us/library/system.object.memberwiseclone(v=vs.100).aspx) | Creates a shallow copy of the current [Object](http://msdn.microsoft.com/en-us/library/system.object(v=vs.100).aspx). (Inherited from [Object](http://msdn.microsoft.com/en-us/library/system.object(v=vs.100).aspx).) |
| Protected method | [MemberwiseClone(Boolean)](http://msdn.microsoft.com/en-us/library/ms131262(v=vs.100).aspx) | Creates a shallow copy of the current [MarshalByRefObject](http://msdn.microsoft.com/en-us/library/system.marshalbyrefobject(v=vs.100).aspx) object. (Inherited from[MarshalByRefObject](http://msdn.microsoft.com/en-us/library/system.marshalbyrefobject(v=vs.100).aspx).) |
| Public method | [Open](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager.open(v=vs.100).aspx) | Makes a thread-safe increment to the user reference count of the application manager instance. |
| Public method | [ShutdownAll](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager.shutdownall(v=vs.100).aspx) | Unloads all application resources. |
| Public method | [ShutdownApplication](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager.shutdownapplication(v=vs.100).aspx) | Unloads the specified application. |
| Public method | [StopObject](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager.stopobject(v=vs.100).aspx) | Removes the specified object from the list of registered objects in an application. If the object to be removed is the last remaining object in the list of registered objects in an application, the application is unloaded. |
| Public method | [ToString](http://msdn.microsoft.com/en-us/library/system.object.tostring(v=vs.100).aspx) | Returns a string that represents the current object. (Inherited from [Object](http://msdn.microsoft.com/en-us/library/system.object(v=vs.100).aspx).) |

[Top](http://msdn.microsoft.com/en-us/library/system.web.hosting.applicationmanager(v=vs.100).aspx#mainBody)

[Remarks](javascript:void(0))

The ApplicationManager object provides lifetime management of objects in the hosting environment for an ASP.NET application. It is responsible for:

* Activating and initializing ASP.NET applications.
* Managing the application lifetime and the lifetime of objects registered in the application.
* Exposing objects used by the hosting environment to process ASP.NET application requests.
* Providing a list of applications running in the hosting process at any given moment.

[Version Information](javascript:void(0))

.NET Framework

Supported in: 4, 3.5, 3.0, 2.0

[Platforms](javascript:void(0))

Windows 7, Windows Vista SP1 or later, Windows XP SP3, Windows XP SP2 x64 Edition, Windows Server 2008 (Server Core not supported), Windows Server 2008 R2 (Server Core supported with SP1 or later), Windows Server 2003 SP2

The .NET Framework does not support all versions of every platform. For a list of the supported versions, see [.NET Framework System Requirements](http://msdn.microsoft.com/en-us/library/8z6watww(v=vs.100).aspx).

[Thread Safety](javascript:void(0))

Any public **static** (**Shared** in Visual Basic) members of this type are thread safe. Any instance members are not guaranteed to be thread safe.