

System.Net.IPEndPoint Class

```
[ILAsm]
.class public IPEndPoint extends System.Object

[C#]
public class IPEndPoint
```

Assembly Info:

- *Name:* System
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- *Version:* 2.0.x.x
- *Attributes:*
 - CLSCompliantAttribute(true)

Summary

Provides a container class for Internet host address information.

Inherits From: System.Object

Library: Networking

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

Description

The `System.Net.IPEndPoint` class associates a Domain Name System (DNS) host name with an array of aliases and an array of matching IP addresses.

Example

The following example queries the DNS database for information on the host "www.contoso.com" and displays the information in the returned `System.Net.IPEndPoint` instance.

```
[C#]
```

```
using System;
using System.Net;

public class IPEndPointTest {
    public static void Main() {

        IPEndPoint hostInfo = Dns.GetHostByName("www.contoso.com");

        string[] aliases = hostInfo.Aliases;
        IPAddress[] addresses = hostInfo.AddressList;
    }
}
```

```
1
2 Console.WriteLine("The host name is: {0}", hostInfo.HostName);
3
4 for(int x = 0; x < aliases.Length; x++)
5 Console.WriteLine("Alias {0} == {1}", aliases[x], addresses[x]);
6 }
7 }
```

8
9 The output is

```
10
11 The host name is: contoso.com
12
13
14 Alias www.contoso.com == 207.46.230.186
15
```

16

1 IPHostEntry() Constructor

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

6 Summary

7 Constructs a new instance of the `System.Net.IPHostEntry` class.

8

1 IPEndPoint.AddressList Property

```
2 [ILAsm]
3 .property class System.Net.IPAddress[] AddressList { public hidebysig
4 specialname instance class System.Net.IPAddress[] get_AddressList() public
5 hidebysig specialname instance void set_AddressList(class
6 System.Net.IPAddress[] value) }

7 [C#]
8 public IPAddress[] AddressList { get; set; }
```

9 Summary

10 Gets or sets a list of IP addresses associated with a host.

11 Property Value

12 A System.Net.IPAddress array containing IP addresses that resolve to the host names
13 contained in the System.Net.IPEndPoint.Aliases property.

14

1 IPHostEntry.Aliases Property

```
2 [ILAsm]  
3 .property string[] Aliases { public hidebysig specialname instance  
4 string[] get_Aliases() public hidebysig specialname instance void  
5 set_Aliases(string[] value) }  
  
6 [C#]  
7 public string[] Aliases { get; set; }
```

8 Summary

9 Gets or sets a list of aliases associated with a host.

10 Property Value

11 A System.String array containing DNS names that resolve to the IP addresses in the
12 System.Net.IPHostEntry.AddressList property.

1 IPEndPoint.HostName Property

```
2 [ILAsm]  
3 .property string HostName { public hidebysig specialname instance string  
4 get_HostName() public hidebysig specialname instance void  
5 set_HostName(string value) }  
  
6 [C#]  
7 public string HostName { get; set; }
```

8 Summary

9 Gets or sets the DNS name of the host.

10 Property Value

11 A System.String containing the DNS host name that corresponds to the address and
12 alias information contained in the current instance.

13 Description

14 [Note: The System.Net.IPEndPoint.HostName property contains the primary host
15 name for a server. If the DNS entry for the host defines additional aliases, they are
16 available via the System.Net.IPEndPoint.Aliases property.]
17
18
19