

# 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]
- Version: 1.0.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() {
```

```
1      IPHostEntry hostInfo =
2      Dns.GetHostByName("www.contoso.com");
3
4      string[] aliases = hostInfo.Aliases;
5      IPAddress[] addresses = hostInfo.AddressList;
6
7      Console.WriteLine("The host name is: {0}",
8      hostInfo.HostName);
9
10     for(int x = 0; x < aliases.Length; x++)
11         Console.WriteLine("Alias {0} == {1}", aliases[x],
12         addresses[x]);
13     }
14 }
15
```

16 The output is

17  
18 The host name is: contoso.com

19  
20  
21 Alias www.contoso.com == 207.46.230.186  
22

23

# 1 IPHostEntry() Constructor

```
2 [ILASM]  
3 family specialname instance void .ctor()  
4  
5 [C#]  
6 protected 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
4 hidebysig specialname instance class System.Net.IPAddress[]
5 get_AddressList() public hidebysig specialname instance
6 void set_AddressList(class 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

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

16

# 1 IPHostEntry.Aliases Property

```
2 [ILASM]
3 .property class System.String[] Aliases { public hidebysig
4 specialname instance class System.String[] get_Aliases()
5 public hidebysig specialname instance void
6 set_Aliases(class System.String[] value) }

7 [C#]
8 public string[] Aliases { get; set; }
```

## 9 Summary

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

## 11 Property Value

12

13 A **System.String** array containing DNS names that resolve to the IP  
14 addresses in the **System.Net.IPHostEntry.AddressList** property.

15

# 1 IPEndPoint.HostName Property

```
2 [ILASM]
3 .property string HostName { public hidebysig specialname
4 instance string get_HostName() public hidebysig specialname
5 instance void 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

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

## 14 Description

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

19