

1 System.Net.IPEndPoint Class

2
3

```
4 [ILASM]  
5 .class public IPHostEntry extends System.Object  
6 [C#]  
7 public class IPHostEntry
```

8 Assembly Info:

- 9 • Name: System
- 10 • Public Key: [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 11 • Version: 1.0.x.x
- 12 • Attributes:
 - 13 ○ CLSCompliantAttribute(true)

14 Summary

15

16 Provides a container class for Internet host address information.

17 Inherits From: System.Object

18

19 Library: Networking

20

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

23

24 Description

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

28 Example

29

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

33
34

```
35 using System;  
36 using System.Net;  
37  
38 public class IPHostEntryTest {  
39     public static void Main() {  
40
```

```
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 [C#]  
5 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.IPEndPoint AddressList { public
4 hidebysig specialname instance class System.Net.IPEndPoint[]
5 get_AddressList() public hidebysig specialname instance
6 void set_AddressList(class System.Net.IPEndPoint[] value) }
7
8 [C#]
9 public IPEndPoint[] 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.IPEndPoint** 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 hideby sig
4 specialname instance class System.String[] get_Aliases()
5 public hideby sig specialname instance void
6 set_Aliases(class System.String[] value) }
7
8 [C#]
9 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