

# System.Net.Sockets.AddressFamily Enum

```
[ILAsm]
.class public sealed serializable AddressFamily extends System.Enum

[C#]
public enum AddressFamily
```

## 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

Specifies the addressing schemes used by the `System.Net.Sockets.Socket` class.

## Inherits From: System.Enum

**Library:** Networking

## Description

A `System.Net.Sockets.AddressFamily` member is specified to the `System.Net.Sockets.Socket` class constructors to identify the addressing scheme that the socket instance will use to resolve an address. For example, `System.Net.Sockets.AddressFamily.InterNetwork` indicates that an IP version 4 address is expected when a `System.Net.Sockets.Socket` instance connects to an endpoint.

# 1 AddressFamily.AppleTalk Field

```
2 [ILAsm]  
3 .field public static literal valuetype System.Net.Sockets.AddressFamily  
4 AppleTalk = 16  
  
5 [C#]  
6 AppleTalk = 16
```

## 7 Summary

8 AppleTalk address.

9

# 1    AddressFamily.Atm Field

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily  
4    Atm = 22  
  
5    [C#]  
6    Atm = 22
```

## 7    Summary

8        Native Asynchronous Transfer Mode (ATM) services address.

9

# 1    AddressFamily.Banyan Field

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily  
4    Banyan = 21  
  
5    [C#]  
6    Banyan = 21
```

## 7    Summary

8        Banyan address.

9

# AddressFamily.Ccitt Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.AddressFamily  
Ccitt = 10  
  
[C#]  
Ccitt = 10
```

## Summary

Addresses for CCITT protocols, such as X.25.

# 1    AddressFamily.Chaos Field

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily  
4    Chaos = 5  
  
5    [C#]  
6    Chaos = 5
```

## 7    Summary

8        Address for MIT CHAOS protocols.

9

# AddressFamily.Cluster Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.AddressFamily  
Cluster = 24  
  
[C#]  
Cluster = 24
```

## Summary

Address for Microsoft cluster products.

## 1 AddressFamily.DataKit Field

```
2 [ILAsm]  
3 .field public static literal valuetype System.Net.Sockets.AddressFamily  
4 DataKit = 9  
  
5 [C#]  
6 DataKit = 9
```

## 7 Summary

8 Address for Datakit protocols.

9



## AddressFamily.DataLink Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.AddressFamily  
DataLink = 13  
  
[C#]  
DataLink = 13
```

### Summary

Direct data-link interface address.

## 1    **AddressFamily.DecNet Field**

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily  
4    DecNet = 12  
  
5    [C#]  
6    DecNet = 12
```

## 7    **Summary**

8        DECnet address.

9

# 1    **AddressFamily.Ecma Field**

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily  
4    Ecma = 8  
  
5    [C#]  
6    Ecma = 8
```

## 7    **Summary**

8        European Computer Manufacturers Association (ECMA) address.

9

# 1 AddressFamily.FireFox Field

```
2 [ILAsm]  
3 .field public static literal valuetype System.Net.Sockets.AddressFamily  
4 FireFox = 19  
  
5 [C#]  
6 FireFox = 19
```

## 7 Summary

8 FireFox address.

9

## AddressFamily.HyperChannel Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.AddressFamily  
HyperChannel = 15  
  
[C#]  
HyperChannel = 15
```

### Summary

NSC Hyperchannel address.

## AddressFamily.Ieee12844 Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.AddressFamily  
Ieee12844 = 25  
  
[C#]  
Ieee12844 = 25
```

### Summary

IEEE 1284.4 workgroup address.

# 1    AddressFamily.ImpLink Field

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily  
4    ImpLink = 3  
  
5    [C#]  
6    ImpLink = 3
```

## 7    Summary

8        ARPANET IMP address.

9

# 1    **AddressFamily.InterNetwork Field**

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily  
4    InterNetwork = 2  
  
5    [C#]  
6    InterNetwork = 2
```

## 7    **Summary**

8        Address for IP version 4.

9



# 1    **AddressFamily.InterNetworkV6 Field**

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily  
4    InterNetworkV6 = 23  
  
5    [C#]  
6    InterNetworkV6 = 23
```

## 7    **Summary**

8        Address for IP version 6.

9

## AddressFamily.Ipx Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.AddressFamily  
Ipx = 6  
  
[C#]  
Ipx = 6
```

### Summary

Internetwork Packet Exchange (IPX) or Sequenced Packet Exchange (SPX) address.

## AddressFamily.Irda Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.AddressFamily  
Irda = 26  
  
[C#]  
Irda = 26
```

### Summary

Infrared Data Association (IrDA) address.

# AddressFamily.Iso Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.AddressFamily  
Iso = 7  
  
[C#]  
Iso = 7
```

## Summary

Address for ISO protocols.

[*Note:* Multiple names are defined for this value based on prior art. This value is identical to System.Net.Sockets.AddressFamily.Osi.

]

# 1    AddressFamily.Lat Field

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily  
4    Lat = 14  
  
5    [C#]  
6    Lat = 14
```

## 7    Summary

8        LAT address.

9

## 1    **AddressFamily.NetBios Field**

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily  
4    NetBios = 17  
  
5    [C#]  
6    NetBios = 17
```

## 7    **Summary**

8        NetBios address.

9

# AddressFamily.NetworkDesigners Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.AddressFamily  
NetworkDesigners = 28  
  
[C#]  
NetworkDesigners = 28
```

## Summary

Address for Network Designers OSI gateway-enabled protocols.

## 1    **AddressFamily.NS Field**

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily NS  
4    = 6  
  
5    [C#]  
6    NS = 6
```

## 7    **Summary**

8        Address for Xerox NS protocols.

9



# AddressFamily.Osi Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.AddressFamily  
Osi = 7  
  
[C#]  
Osi = 7
```

## Summary

Address for ISO protocols.

[*Note:* Multiple names are defined for this value based on prior art. This value is identical to `System.Net.Sockets.AddressFamily.Iso`.

]

# 1 AddressFamily.Pup Field

```
2 [ILAsm]  
3 .field public static literal valuetype System.Net.Sockets.AddressFamily  
4 Pup = 4  
  
5 [C#]  
6 Pup = 4
```

## 7 Summary

8 Address for PUP protocols.

9

# 1 AddressFamily.Sna Field

```
2 [ILAsm]  
3 .field public static literal valuetype System.Net.Sockets.AddressFamily  
4 Sna = 11  
  
5 [C#]  
6 Sna = 11
```

## 7 Summary

8 IBM SNA address.

9

# 1    AddressFamily.Unix Field

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily  
4    Unix = 1  
  
5    [C#]  
6    Unix = 1
```

## 7    Summary

8        Address is local to the host.

9

# AddressFamily.Unknown Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.AddressFamily  
Unknown = -1  
  
[C#]  
Unknown = -1
```

## Summary

Used to indicate an uninitialized state. This member is not to be used when constructing instances of the `System.Net.Sockets.Socket` class.

# 1 AddressFamily.Unspecified Field

```
2 [ILAsm]  
3 .field public static literal valuetype System.Net.Sockets.AddressFamily  
4 Unspecified = 0  
  
5 [C#]  
6 Unspecified = 0
```

## 7 Summary

8 Unspecified address family.

9

# 1    **AddressFamily.VoiceView Field**

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.AddressFamily  
4    VoiceView = 18  
  
5    [C#]  
6    VoiceView = 18
```

## 7    **Summary**

8        VoiceView address.

9