

System.Net.Sockets.ProtocolType Enum

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

[C#]
public enum ProtocolType
```

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 protocols used by the `System.Net.Sockets.Socket` class.

Inherits From: System.Enum

Library: Networking

Description

The `System.Net.Sockets.ProtocolType` enumeration is used with the `System.Net.Sockets.Socket` class. This enumeration specifies the protocols that a socket instance can use to transport data.

ProtocolType.Ggp Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.ProtocolType Ggp  
= 3  
  
[C#]  
Ggp = 3
```

Summary

Specifies the Gateway To Gateway Protocol.

1 ProtocolType.Icmp Field

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

7 Summary

8 Specifies the Internet Control Message Protocol (ICMP) as defined by IETF RFC 1792.

ProtocolType.Idp Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.ProtocolType Idp  
= 22  
  
[C#]  
Idp = 22
```

Summary

Specifies the Inter-Domain Policy Protocol (IDP) as defined by IETF RFC 1764.

1 ProtocolType.Igmp Field

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

7 Summary

8 Specifies the Internet Group Management Protocol (IGMP) as defined by IETF RFC 2236.

ProtocolType.IP Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.ProtocolType IP  
= 0  
  
[C#]  
IP = 0
```

Summary

Specifies the Internet Protocol (IP) as defined by IETF RFC 791, 792, 919, 922, and 1112.

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

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ProtocolType.Ipx Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.ProtocolType Ipx  
= 1000  
  
[C#]  
Ipx = 1000
```

Summary

Specifies the Internetwork Packet Exchange Protocol.

ProtocolType.ND Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.ProtocolType ND  
= 77  
  
[C#]  
ND = 77
```

Summary

Specifies the Net Disk Protocol.

ProtocolType.Pup Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.ProtocolType Pup  
= 12  
  
[C#]  
Pup = 12
```

Summary

Specifies the Xerox Post Office Update Protocol.

ProtocolType.Raw Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.ProtocolType Raw  
= 255  
  
[C#]  
Raw = 255
```

Summary

Specifies the Raw IP packet protocol.

ProtocolType.Spx Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.ProtocolType Spx  
= 1256  
  
[C#]  
Spx = 1256
```

Summary

Specifies the Sequenced Packet Exchange Protocol.

1 **ProtocolType.SpxII** Field

```
2    [ILAsm]  
3    .field public static literal valuetype System.Net.Sockets.ProtocolType  
4    SpxII = 1257  
  
5    [C#]  
6    SpxII = 1257
```

7 **Summary**

8 Specifies the Sequenced Packet Exchange Version 2 Protocol.

ProtocolType.Tcp Field

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

Summary

Specifies the Transmission Control Protocol (TCP) as defined by IETF RFC 793.

1 ProtocolType.Udp Field

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

7 Summary

8 Specifies the User Datagram Protocol (UDP) as defined by IETF RFC 768.

ProtocolType.Unknown Field

```
[ILAsm]  
.field public static literal valuetype System.Net.Sockets.ProtocolType  
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 **ProtocolType.Unspecified Field**

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

7 **Summary**

8 Unspecified protocol.

9
10 [*Note:* Multiple names are defined for this value based on prior art. This value is
11 identical to `System.Net.Sockets.ProtocolType.IP`.

12
13]