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Adding IPv6 capability to your application is not necessarily a porting process.

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Creating a Dual-Stack Socket. By default, an IPv6 socket created on Windows Vista and later only operates over the IPv6 protocol. In order to make an IPv6 socket into a dual-stack socket, the `setsockopt` function must be called with the `IPV6_V6ONLY` socket option to set this value to zero before the socket is bound to an IP address. When the `IPV6_V6ONLY` socket option is set to zero, a socket created for the `AF_INET6` address family can be used to send and

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receive packets to and from an IPv6 ...

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windows sockets applications, but end in the works in harmful downloads. Example: Accepting connections from both IPv6 and IPv4 clients IPv6 link-local and site-local addresses are called scoped addresses. The Windows Sockets (Winsock)

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If a TCP/IP service provider on Windows XP with SP1 and on Windows Server 2003 supports IPv4 and IPv6 addressing, it must create two separate sockets and listen separately on these sockets: Once for IPv4. Once for the IPv6 address family. Windows Vista and later offer the ability to create a single IPv6 socket which can handle both IPv6 and IPv4 traffic. For

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example, a TCP listening socket for IPv6 is created, put into dual stack mode, and bound to port 5001. This dual-stack socket can ...

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For additional information on adding IPv6 capability to your Windows Sockets applications, see IPv6 Guide for Windows Sockets Applications. An introduction to the IPv6 protocol along with overviews on deployment and IPv6 transitioning technologies is available on Technet at Microsoft Internet Protocol Version 6 (IPv6).

~~Internet Protocol Version 6 (IPv6) - Win32 apps ...~~

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ServerSocket server = new ServerSocket (port);  
Socket s; while (true) { s = server.accept ();  
doClientStuff (s); } Now, however, if you run the code on an IPv6-enabled machine, you immediately have an IPv6-enabled service. Here's the corresponding server C code for a dual-stack platform:

~~Networking IPv6 User Guide - Oracle~~

IPv6 Guide for Windows Sockets Applications; Can Applications Benefit From IPv6? What's New for Windows Sockets; Network Programming for Microsoft Windows, Second Edition; Network Programming for the Microsoft .NET Framework; Videos . MS Enterprise IPv6 Deployment TechNet Webcast

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~~IPv6 Survival Guide - TechNet Articles - United States~~

...

J2SE TM 1.4 does not support IPv6 on Microsoft Windows. Microsoft has released an IPv6 Technology Previous for Windows 2000 but this is a limited seperate stack implementation. A complete dual IPv4/IPv6 stack implementation for Microsoft Windows is not expected to be released until 2002 or later.

Special IPv6 Address Types

~~Networking IPv6 User Guide~~

Receiving incoming connections on IPv6 or IPv4 sockets UNIX™ platforms receive both IPv4 and IPv6

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incoming connections on the same socket. Microsoft™ Windows™ is not capable of receiving both incoming IPv4 and IPv6 connections on the same socket. If IPv6 is disabled, Microsoft Windows only receives IPv4 connections.

~~Receiving incoming connections on IPv6 or IPv4 sockets~~

IPv6 Guide for Windows Sockets Applications.  
Changing Data Structures for IPv6 Winsock Applications. Dual-Stack Sockets for IPv6 Winsock Applications. Use of Hardcoded IPv4 Addresses. User Interface Issues for IPv6 Winsock Applications. Underlying Protocols for IPv6 Winsock Applications

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~~Function Calls for IPv6 Winsock Applications – Win32 apps ...~~

Windows Socket Programming & IPv6 Translation  
Middleware Dr. Whai-En Chen VoIP and IPv6  
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National Chiao Tung University Email:  
wechen@mail.nctu.edu.tw TEL: +886-3-5731924.  
2004/12/24 Speaker: Whai-En Chen 2

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Middleware~~

Simple TCP client server sockets application using

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IPv6 and IPv6 December 28, 2012 So here is a pair of programs demonstrating the use of sockets on Linux. The server program is run first. Then whenever the client program is run, it connects to the server on the specified port and they both exchange strings and terminate. TCP is used over IPv4.

~~Simple TCP client server sockets application using IPv6 ...~~

Microsoft Windows Server 2003 introduces new Windows Sockets programming elements. These elements extend the capability of Winsock to simplify programming and provide IPv6 compatibility. For more information about porting Winsock applications

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to IPv6, see IPv6 Guide for Windows Sockets Applications.

~~What's New for Windows Sockets~~—primeima  
For Unix, refer to the manual pages; for Windows, see the WinSock (or Winsock 2) specification. For IPv6-ready APIs, readers may want to refer to RFC 3493 titled Basic Socket Interface Extensions for IPv6.

~~socket~~—Low-level networking interface—Python 3.9.0 ...

Dual-Stack Sockets for IPv6 Winsock Applications  
In order to support both IPv4 and IPv6 on Windows XP with Service Pack 1 (SP1) and on Windows Server

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2003, an application has to create two sockets, one socket for use with IPv4 and one socket for use with IPv6. These two sockets must be handled separately by the application.

### ~~Dual-Stack Sockets for IPv6 Winsock Applications~~ GitHub

Windows Sockets 2 is designed for use by C/C++ programmers. Familiarity with Windows networking is required. Run-time requirements. Windows Sockets 2 can be used on all Windows platforms. Where certain implementations or capabilities of Windows Sockets 2 platform restrictions do exist, they are clearly noted in the documentation. In this section

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