



IPv6 Overview

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What does an IPv6 transition mean?



- IPv4 to IPv6 transition is not the Y2K of the Internet:
Y2k had clear deadline for everyone
IPv6 timelines for will vary for each business
- Accessing the Internet means IPv4 and IPv6 sites and services
Sprint is implementing "Dual-Stack" which allows IPv4 and IPv6 to coexist natively on the network
- IPv4 address constraints will drive some businesses to use IPv6 by 2012
New or Updated applications and services should be designed for Dual-Stack support to offer compatibility
- Transition plans range from 18-36 months for migration of services
Perform extensive testing on services and connectivity
Delayed planning can result in higher costs
- Delay tactics can be part of the transition plan... but coordination is critical
Address reallocation, NAT, and NAT444 are viable short-term solutions
Long-term plans should address the risks of remaining IPv4-only

Sprint: The road to IPv6 Ready

- Actively involved in the standardization, testing, and deployment of IPv6 since 1997
- Maintained an active test-bed since 1997 for IPv6 customers to experiment with IPv6 using tunneled connections
- Deployed IPv6 support on Sprint's Peerless IP (PIP) network for MPLS VPN customers in 2007.
- IPv6 enabled on Sprint's IP Core as well as select edge routers in 2010. Additional routers being enabled throughout 2011
- IPv6 enabled content providers for high availability and reduced latency of content and applications for Sprint's customers
- Visit us at <http://www.Sprintv6.net>

IPv6 Network Roadmap

Timing that conforms with the needs of NETWORX

Wireline Access

Currently Available

- *IPv6 MPLS VPNs on Sprint's Peerless IP (PIP) Network*
- *IPv6 access in select IP POPs for Dedicated Internet Access*
- *Tunneled IPv6 support for transition testing*

EOY 2011

- *General availability of Native Dual-Stack IPv6 service on Dedicated Internet Access and Global MPLS VPNs.*
- *Managed Network Services (MNS) for IPv6*

Wireless Access

2012

- *Expand IPv6 onto Sprint's Wireless services and applications*

Thank You

Please take a moment to provide feedback