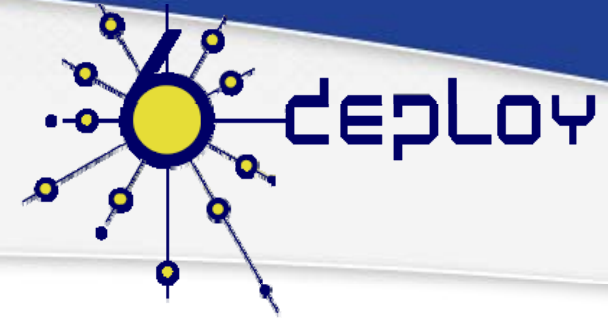


IPv6 Experiment

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The idea



- ◆ To taste IPv6 by yourself today at the meeting.
- ◆ 30 minutes of IPv6 only content.
- ◆ We have IPv6 buttons for people who can successfully see their IPv6 address at:

<http://portalipv6.lacnic.net>



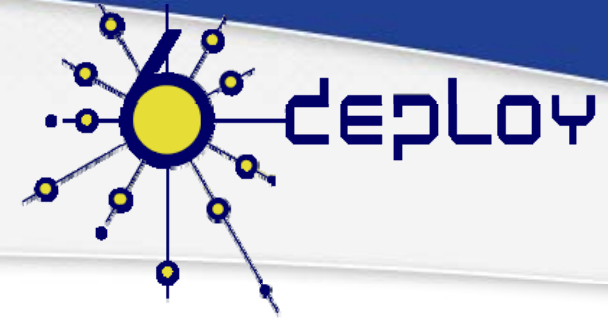
IPv6 Support - Hosts Operating Systems



Vendor	Versions supporting IPv6	More Information
Apple	MAC OS X 10.2	http://developer.apple.com/macosx/
BSD	FreeBSD 4.0 OpenBSD 2.7, NetBSD 1.5 BSD/OS 4.2	http://www.kame.net/
HP / Compaq	HP-UX 11i, Tru64 UNIX V5.1, OpenVMS V5.1	http://docs.hp.com/en/5990-7247/index.html
IBM	z/OS Rel. 1.4, AIX 4.3, OS/390 V2R6 eNCS	http://www-01.ibm.com/software/info/ipv6/compliance.jsp
Linux	Red Hat 6.2, Mandrake 8.0, SuSE 7.1, Debian 2.2	http://www.bieringer.de/linux/IPv6/status/IPv6+Linux-status-distributions.html
Microsoft	Windows Vista, XP, Server 2003, Server 2008, CE .NET, Mobile	http://www.microsoft.com/ipv6/
Novell	Netware 6.1	http://www.novell.com/documentation/oes2/ntwk_ipv6_nw/index.html?page=/documentation/oes2/ntwk_ipv6_nw/data/ai4x21f.html
Sun	Solaris 8, 9 and 10	http://docs.sun.com/app/docs/doc/817-0573?l=en



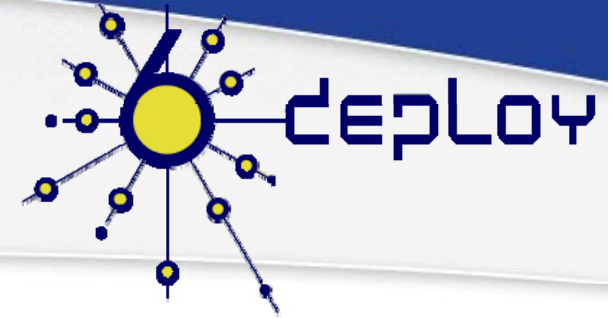
Windows Vista & IPv6.



- ◆ **“Full Support”**: autoconfiguration, IPv4 tunnel, 6to4 tunnel, 6to4 relay, ISATAP tunnel, IPSec (manual keying)
- ◆ IPv6 Enable by default and cannot be uninstalled (however can be disabled).
- ◆ 6to4 Tunnel is set automatically when a public IPv4 address is found.
- ◆ Teredo Tunnel is set automatically when a private IPv4 address is found. It is used as last resource.



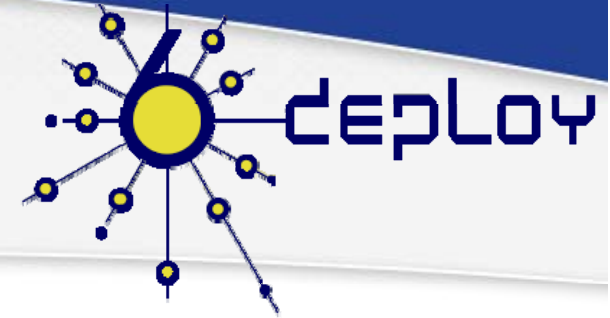
Windows XP & IPv6.



- ◆ Support since SP1, better support in SP2.
- ◆ In order to install:
 - ◆ Start -> Run -> ipv6 install
 - ◆ To check status: Start -> Run -> cmd -> ipconfig
- ◆ No support for DNS over IPv6.
- ◆ No support for files and print sharing over IPv6.
- ◆ Cannot work on an “IPv6 only” world



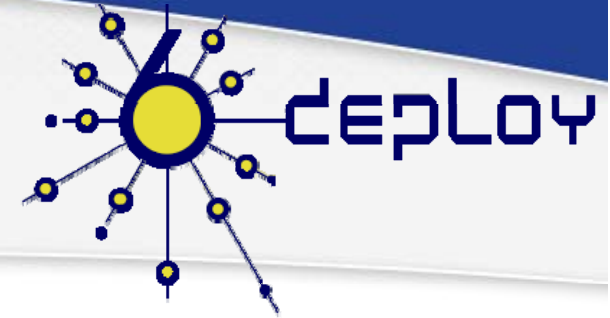
MAC OS & IPv6



- ◆ Supported since Mac OS X 10.2 (since Darwin kernel version 6)
 - ◆ autoconfiguration, IPv4 tunnel, 6to4, IPSec, applications, Apple Filing Protocol (since AFP version 3.1)
 - ◆ Rendez-vous point supports IPv6
 - ◆ Basically – what you can expect from *BSD
- ◆ Enabled by default, you can check your “Advanced Network Preferences”.



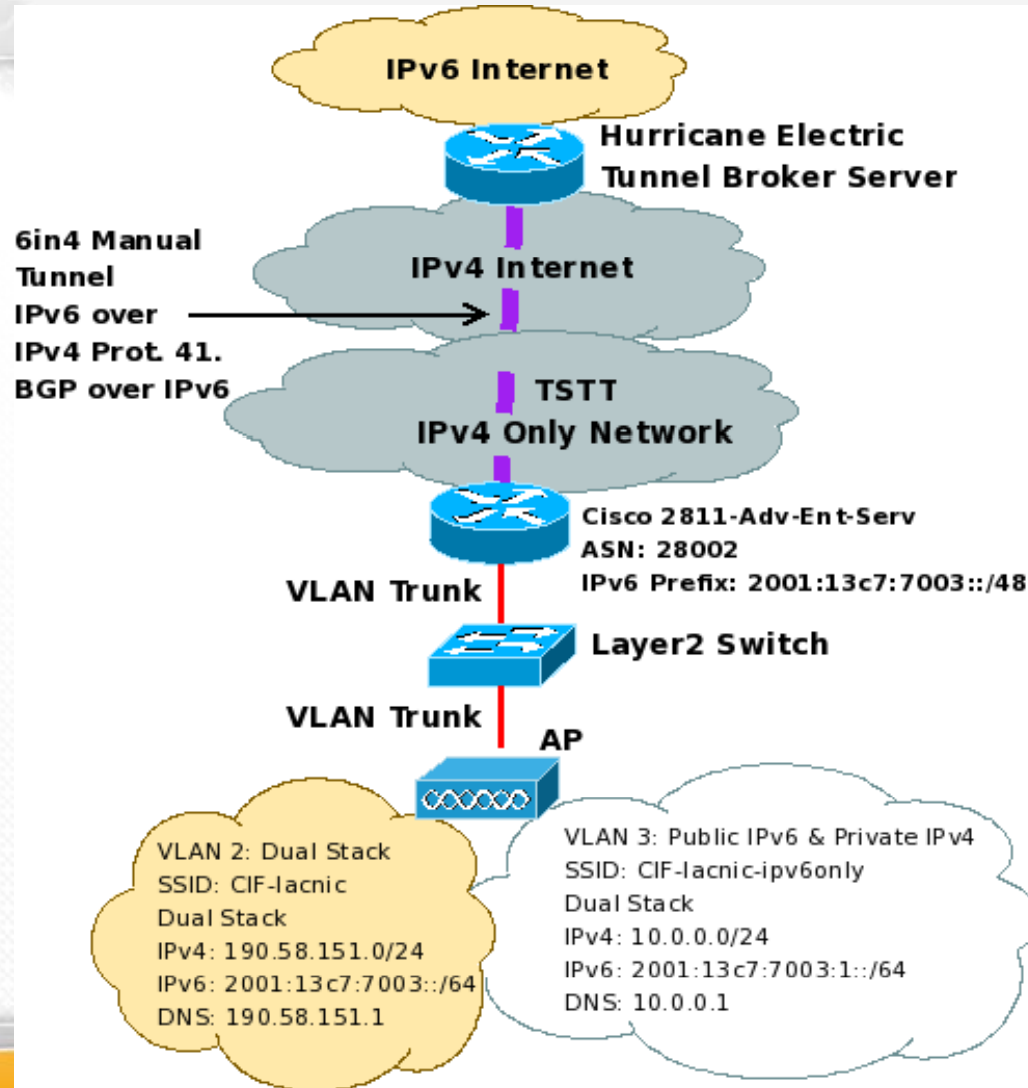
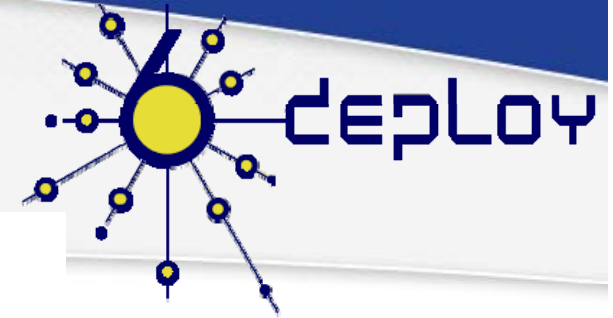
Linux & IPv6



- ◆ **Supported**
 - ◆ **autoconfiguration, IPv4 tunnel, 6to4**
 - ◆ **since Kernel 2.2.x recommended at least 2.4.8**
- ◆ **USAGI patch (mostly included in 2.6.x series)**
 - ◆ **Node information query, anycast, ISATAP, privacy extension, IPsec, applications, bug-fix, mobile IP**
- ◆ **Commands: Same as IPv4:**
 - ◆ **Ifconfig**
 - ◆ **ip -6**
 - ◆ **Netstat**
- ◆ **Configuration Tools for each distribution.**

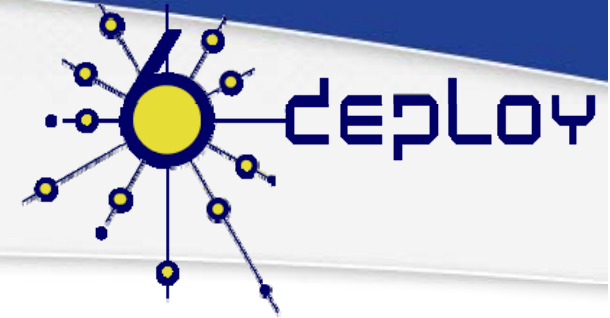


Events Network:

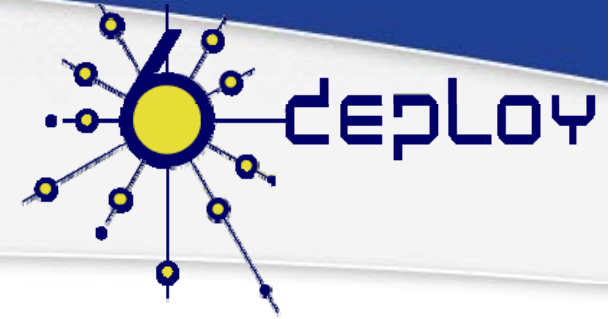




What to do now?



- ◆ **Configure IPv6 support in your machine.**
- ◆ **We will only have access to the SSID: CIF-lacnic-ipv6only.**
- ◆ **Check Access to webpage:**
<http://portalipv6.lacnic.net>
- ◆ **Request your button!**
- ◆ **Other sites: ipv6.google.com, www.kame.net, www.ipv6.org/v6-www.html**



Bye Bye IPv4

Thank you!

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