





IPv6
in
Solaris 8

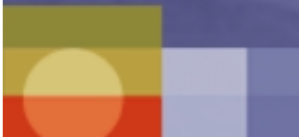
IPv6 in Solaris 8

Javier de Torres

Internet Technology Consultant

Sun Microsystems, Inc.

Madrid
30 January
2001





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Agenda

- ✂ IPv6 Functionality in Solaris 8
- ✂ Applications and Name Services
- ✂ Transition Mechanism
- ✂ Solaris IPv6 Roadmap
- ✂ Solaris Advantage
- ✂ Industry Activities & Participation

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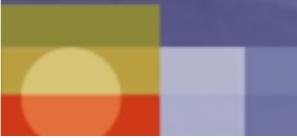


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IPv6 in Solaris 8

- ✂ Announcement- January 2000
- ✂ Customer Release- March 2000
- ✂ Dual-Stack
- ✂ Bundled in Solaris 8
- ✂ No impact on IPv4 Applications

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IPv6 "Basic", utilities & Applications

✂ ifconfig

✂ route

✂ traceroute

✂ snoop

✂ netstat

✂ ndd

✂ inetd

✂ ping

✂ mconnect

✂ telnet/in.telnetd

✂ rlogin/rlogind

✂ rsh/rshd

✂ ftp/in.ftpd

✂ finger/in.fingerd

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IPv6 Name Services

✂ NIS

✂ NIS+

✂ DNS (with IPv4 transport)

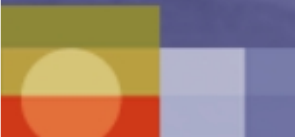
Other IPv6 bundled applications

✂ Sendmail

✂ RPC/NFS

✂ Printing

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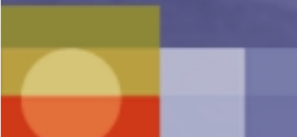


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Transition Mechanisms

- ✂ RFC 1933
- ✂ Dual Stack IPv4 & IPv6
- ✂ IPv6 in IPv4 Tunnels
 - Configured (see demo room scenario)
- ✂ Application Porting Tool
 - IPv6 Socket Scrubber

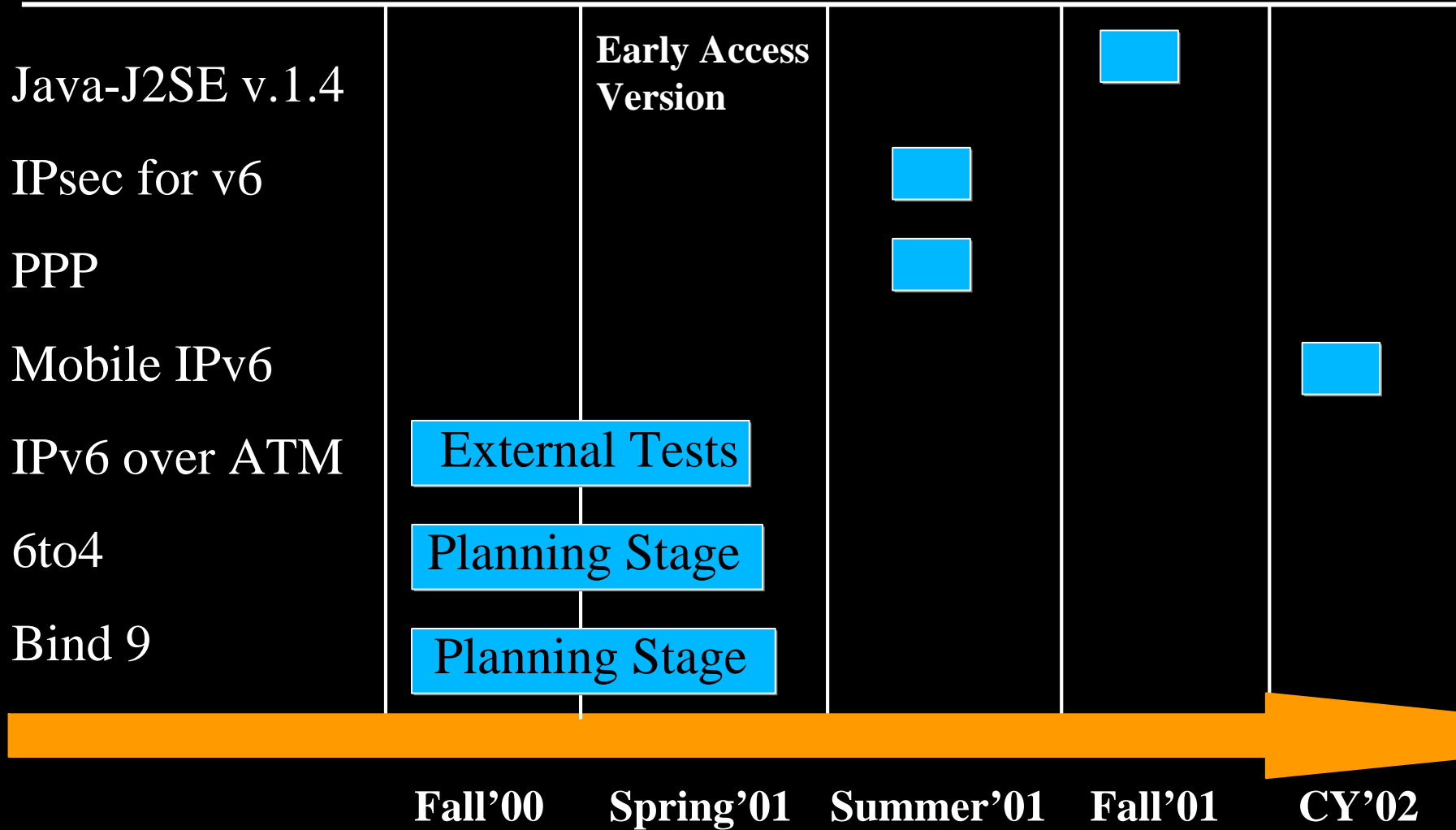
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Solaris IPv6 support Roadmap



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Solaris 8 Advantage

- ✂ IPv6 Commercially Supported

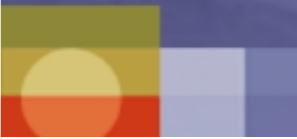
 - Not a prototype

- ✂ Massive Scalability

- ✂ Constant Availability

- ✂ Total Manageability

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IPv6 hints in Solaris 8

✂ <http://www.sun.com/ipv6>

✂ White Paper

✂ Network Application Porting Guide

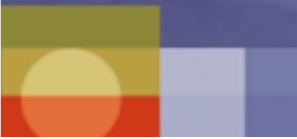
✂ Network Application Porting Tool

– IPv6 Socket Scrubber

✂ IPv6 Network Administration Guides

– <http://docs.sun.com>

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Industry Activities

Driving and promoting IPv6 Technology

✂ IPv6 Forum

- Sun is Founding Member
- Product Presentations
- Product Demonstrations

✂ IETF Working groups

- 6bone
- 6REN
- 6TAP

✂ MWIF and 3GPP



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Industry Activities

Driving and promoting IPv6 Technology

✂ Interoperability Testing

- Annually at Connectathon
- Annually at University of New Hampshire
- IPv6 testing at iLabs at Networld+Interop,
March & September 2000
- IPv6 Forum, Washington DC, October 2000
- TAHI, Japan, Summer 2000

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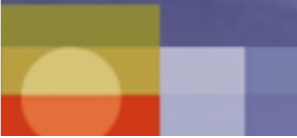


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Further information...

✂ ipv6-questions@sun.com

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