

COMPAQ

Inspiration Technology

Compaq and IPv6

March 2002

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Imagine what IPv6 can do for you!

Compaq's History of IPv6 Leadership

- **1993** Compaq prototypes help define the IP Next Generation protocol in the IETF
- **1995** Public demos & experiments verify core IPv6 interoperability
- **1996** Participant in 6bone worldwide experimentation on the Internet
- **1997** Early Adopter Kits on Tru64 UNIX and OpenVMS provide IPv4/IPv6 stacks to early adopters

Compaq's History of IPv6 Leadership (continued)

- **1999** Compaq works within the industry to establish the IPv6 Forum
 - Chairs the IPv6 Forum Technical Directorate and on the Board of Directors
- **2000** Compaq ships IPv6 product on on Tru64 UNIX and OpenVMS (Jan 2001) platforms
- **2001** Compaq launches industry leading Mobile demo

Compaq's Release Strategy

- Basic IPv6 Infrastructure product shipped in **CY2000**
- Advanced IPv6 Infrastructure product in **CY2002**
- IPv6 **MUST**
 - Perform and maintain robust quality as IPv4
 - Interoperate with IPv4
- **Common IP** (v4/v6) Code base across Compaq's Server platforms

Compaq Release Strategy

- Work with Industry Partners
 - To support the deployment of IPv6 with Compaq platforms across horizontal markets and key vertical markets
 - To support combined IPv6 product solution

Compaq IPv6 Base Features

- Stateless Autoconfiguration
 - Supported in both Tru64 UNIX 5.1 & OpenVMS TCP/IP Services 5.1
- DNS
 - Supported in both Tru64 Unix 5.1 & OpenVMS TCP/IP Services 5.1
 - DNS queries over native IPv6 link not supported yet (due to limitation in BIND product from ISC)
 - Will provide update to support native IPv6 resolvers (as soon as available from ISC)

Compaq IPv6 Base Features (continued)

- DHCP
 - DHCPv6 spec is close to RFC status
 - Public code base has begun
- IPSEC
 - Available as EAK for Tru64 UNIX now; commercial Q302
 - Available as EAK for OpenVMS Q302
 - IPv6 Firewall Advanced Development in Progress
 - IPv6 Intrusion Detection Advanced Development in Progress

Compaq IPv6 Base Features (continued)

- Autorenumbering
 - Host supported in Tru64 UNIX 5.1 & OpenVMS TCP/IP Services 5.1
 - Router support not planned but watching the needs of our Industry Partners
 - Will support new developments for IPv6 Multihoming as developed
- Multicast
 - Supported in Tru64 UNIX 5.1 & OpenVMS TCP/IP Services 5.1

Compaq IPv6 Base Features (continued)

- Wireless and Mobility
 - Wireless TCP IETF Standards supported
 - Mobile IPv6 Correspondent Server Node CY2002
 - Mobile IPv6 Home Agent Advanced Development in Progress
 - SCTP new Transport protocol product shipping now for IPv4
 - IPv6 support Advanced Development in Progress

Compaq IPv6 Base Features (continued)

- Anycast
 - Available in Tru64 UNIX 5.1b & OpenVMS TCP/IP Services 5.3 (Q302)
- AAA
 - Basic AAA Server available from Interlink Networks in Internet Express package 5.6 for Tru64 UNIX
 - Advanced AAA RADIUS Server evaluation software available from Interlink Networks in Internet Express package 5.6 for Tru64 UNIX
 - Working with Interlink on AAA Diameter Plans

Compaq IPv6 Base Features (continued)

- Transition
 - Basic Configured Tunneling Mechanisms IPv6-in-IPv4 (shipping)
 - Extended IPv6 Tunneling IPv4-in-IPv6 (CY 2002)
 - 6to4 Mechanism (CY 2002)
 - ISATAP: watching Market and Industry Partner Acceptance
 - Base and Advanced IPv6 APIs supported for porting and porting tool
 - Other Transition Tools Advanced Development, in Progress (e.g. NAT-PT, DSTM)

Compaq IPv6 Base Features (continued)

- Application Infrastructure Support
 - Standard Internet Applications and Utilities
 - IPv6 WEB, Mail
 - IPv6 RSVP Integrated Services and Differential Services
 - IPv6 NFS Advanced Development in Progress
 - IPv6 Cluster Aliasing Advanced Development in Progress
 - Working with 3rd Party ISVs to port to IPv6



Conclusion

- IPv6 Solves many of the problems caused by the IPv4 success and more...
- The technology you've been waiting for is here...
Start deploying today!

<http://www.compaq.com/ipv6/>

We are ready when you are!

Imagine what IPv6 can do for you!