

# IPv6 Forum : The BIG SHIFT to the IPv6 INTERNET

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Forum

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Organizer: Latif Ladid, President IPv6 Forum

On February 3, 2011, the IANA (Internet Assigned Numbers Authority- [www.iana.org](http://www.iana.org) ) has allocated the last IP address blocks from the global IPv4 central address pool, ending all debates over when this would happen. Several months remain before Regional Registries consume all their remaining regional IPv4 address pools, with recent trends suggesting that Asia, Europe, and North America will exhaust in that order within a month or two on either side of July 1, 2011.

"The Internet has become the global communication network, now is the time to sustain its growth and stability by integrating IPv6. IPv6 adds great value to IPv4" states Dr. Vint Cerf, Honorary Chair, IPv6 Forum.

The eventuality of this day was foreseen by the IETF almost 20 years ago, and a replacement was developed. In 1999 the IPv6 Forum was established by the IETF IPv6 Task Force with the mission to educate and promote the new protocol, and now that we have reached the end of the IPv4 free pool, that mission is more urgent than ever. The IPv4 based Internet will not stop working, but it will stop growing, while the IPv6 based Internet is designed to grow for generations to come.

In our daily lives, failure of the Internet infrastructure or restrictions on its capabilities to add new users or support the worldwide economy are no longer acceptable. Therefore, the IPv6 Forum recommends to all people involved in ICT, that now is the time to leverage 2011 and 2012 for planning and rolling out the new version of the Internet Protocol. Enabling IPv6 in all ICT environment is not the end game but is now a critical requirement for continuity in all Internet business and services going forward. Production quality deployments will take time, starting late and accelerating the process will compromise quality and significantly raise the costs. The last thing that everyone should avoid is to have to rapidly deploy an unnecessarily costly IPv6 infrastructure to sustain growth and communicate with customers, suppliers, and partners.

Transition planning and adoption of IPv6 is now critical to the on-going stability and growth of Internet Protocol based ICT, not only in the public Internet but in every facet of your office, home and mobile electronic existence where TCP/IP and other IP protocols are used. Training, management, support, billing, security and applications development need to be engaged to allow you to be IPv6 ready.

This call is more critical to developing nations that strive to modernize their critical Internet infrastructure making it future proof and protecting their investments.

#### Session I: The IPv6 Transition Models & Benefits

Moderator: Latif Ladid, President IPv6 Forum

##### Panelists:

Ron Broersma, Chief Engineer, Defense Research and Engineering Network (DREN), on "Experiences with Deployment of IPv6 into Production Networks"

Scott Hogg, Director, Global Technology Resources, Inc. Chair, Rocky Mountains IPv6 Task Force, on "IPv6 Security for Broadband Access, Wireless and ISPs"

Stan Barber, Chair, Texas IPv6 Task Force, on "IPv6 in the Real World: Running an IPv6-enable Web Site"

Yanick Pouffary, IPv6 Forum Fellow; Chair, IPv6 Ready & Enable Programs, on "The IPv6 Benefits - Explained by one the original IETFers"

#### Session II: The IPv6 Drivers & Applications

Moderator: Latif Ladid, President IPv6 Forum

##### Panelists:

Yurie Rich, CTO, Nephos6, on "Scalability - Why the Smart Grid needs IPv6"

Stephan Lagerholm, Co-Chair, Texas IPv6 Task Force, on "IPv6 in LAN Environments"

John Loughney, Principle Engineer, Nokia Research Center, San Jose, on "IPv6 in 3GPP & 4G"

Wolfgang Fritsche, Head of Internet Competence Center at IABG, on "IPv6 in the Safety Sector"

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