

NTT Communications

IPv6 Deployment history & roadmap

by

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- 6 June 2012 is World IPv6 Day!

We (NTT Communications group) had joined the IPv6 launch event.



IPv4 service situation

- February 2011 - Internet Assigned Numbers Authority (IANA) has delegated last final /8 ipv4 address space to RIR
- 15 April 2011 - APNIC announced new IPv4 management policy that “Each new or existing APNIC account holder is only eligible to request and receive delegations totally a maximum /22 worth of address space from the APNIC IPv4 address pool”

Reference : <http://www.apnic.net/policy/add-manage-policy#9.10>

- Quarter 3, 2011 - NTTCT had received last /22 global IPv4 address resource from APNIC
- 28 November 2011 - NTTCT has announced IPv4 assignment policies
 - NTTCT will provide up to maximum of eight (8) global IPv4 addresses (/29) for each port charge

(In case > 8 IPv4 addresses, NTTCT may consider case by case)

 - NTTCT reserve the right to transfer the unused IPv4 address to other clients

- 18 August 2008 – NTTCT acquired a /32 IPv6 address space from APNIC
- 19 August 2008 – NTTCT started running IPv4/IPv6 dual-stack on NTTCT's core ISP backbone network
- 20 August 2008 – NTTCT started IPv6 peering connection for global IPv6 routing exchange with NTT Tier-1 Global IP Network
- 5 May 2011 – NTTCT delivered IPv6 to backbone DMZ network and implemented IPv6 to DNS servers
At this stage, NTTCT are fully ready to provide ipv6 transit through all NTTCT's up-streams.
- 1 January 2012 – NTTCT started to provide IPv4/IPv6 dual-stack as default for all new ISP customers. NTTCT also ready to provide dual-stack network to any existing ISP customers.

Note: NTTCT also has plan to activate IPv6 to all ISP related optional service portion such as Mail Hosting, Web Hosting and Monitoring services within year 2012

IPv6 service offering for our customers

- NTTCT is ready to provide IPv6 internet transit for our customers anytime once customer is ready to implement it
- NTTCT can provide IPv6 address space with starting from /56 up to /48 IPv6 address for ISP customers depending on size of network
 - /56 contain 256 of /64 IPv6 network segments
 - /64 contain 64456 of /64 IPv6 network segments