

JPIX Announces Preparations to Provide IPv6v4 Exchange Service

— Supporting the smooth migration of ISPs to IPv6 —

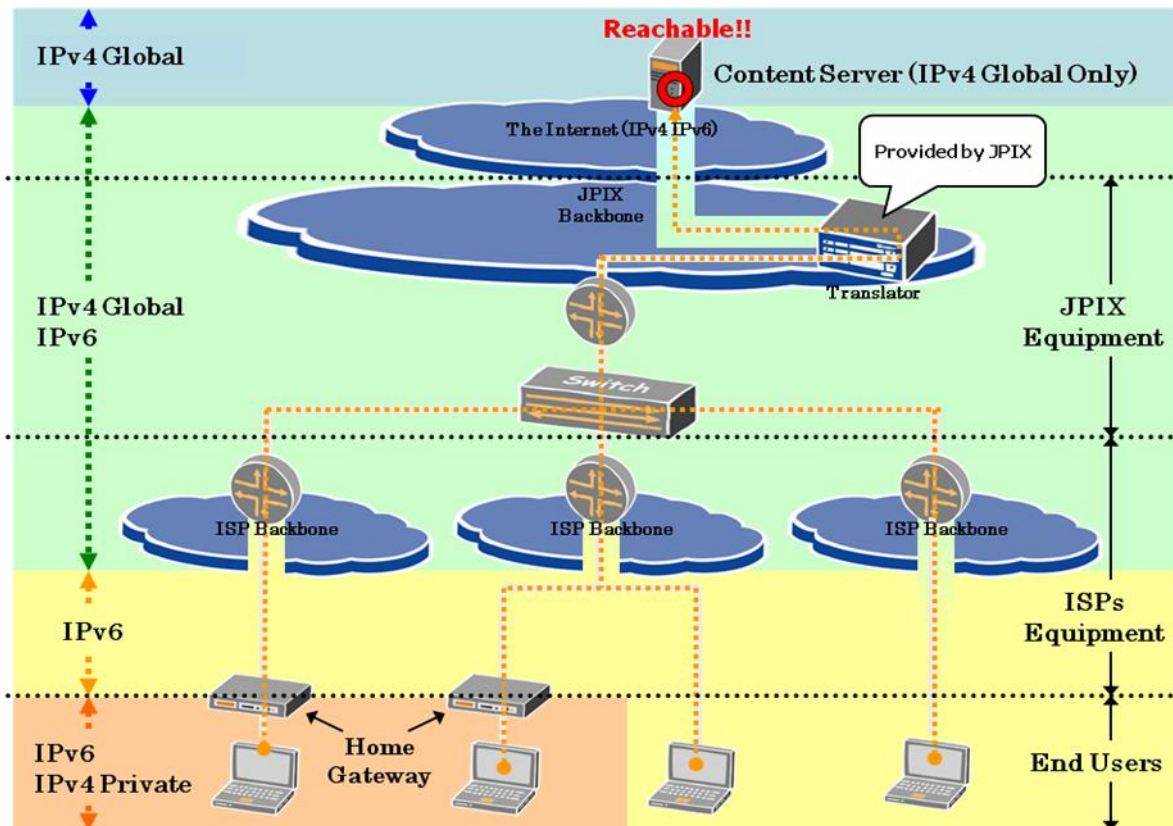
Japan Internet Exchange Co., Ltd. (JPIX, Headquarters: Chiyoda-ku, Tokyo, President and CEO: Yoshiki Ishida), with support from Intec NetCore Inc. (Headquarters: Koto-ku, Tokyo, President and CEO: Takashi Arano, <http://www.inetcore.com/>), started preparation for IPv6v4 Exchange Service which will provide JPIX subscribers with the ability to reach content servers on the IPv4 Internet from a client host with only an IPv6 global address.

It is expected that IPv4 global addresses will run out by 2011, and that ISPs will see some impact from this from around 2012 at earliest. In the initial stage of the IPv4 address shortage, the first impacted will be end users who subscribe for new Internet connections services from ISPs, who form access networks. Since ISPs cannot be allocated new IPv4 global addresses any longer, they have no choice but to assign such new users IPv6 addresses only. JPIX will provide ISPs who subscribe to the IPv6v4 Exchange Service with a translator which converts IPv6 traffic into its IPv4 counterpart, enabling the ISPs to provide new users, who have been allocated only IPv6 addresses, with the ability to reach content servers that can handle only conventional IPv4 addresses, and that are not compatible with IPv6.

[Summary of IPv6v4 Exchange Service]

- * Planned launch of trial service: September, 2009
- * Planned launch of official service: July, 2010
- * Sites to be covered: JPIX Sites in Tokyo Metropolitan Area
(All sites except for JPIX Nagoya and JPIX Osaka)
- * Features: Translation service to convert IPv6 addresses to corresponding IPv4 addresses
- * Service targeted at ISPs
 - ISPs where IPv4 addresses to be assigned to end users run out due to their expanding networks.
 - ISPs which start with IPv6 addresses from their initial launch of services in order to newly establish large scale networks.
- * Service Features
 - Since the services are provided by JPIX as an outsourced operation, subscribing ISPs can reduce the burden of backbone equipment such as translators and carrier grade NATs.
 - ISPs can avoid such overhead as network migration procedures and a period during which different types of global address schemes coexist since they use either the double-sided configuration consisting of IPv4 and IPv6 global addresses or the single-sided configuration of IPv6 global addresses only for the networks they establish and operate for their end users.
 - ISPs can take measures well in advance of 2011 when IPv4 global addresses are expected to run out.

* Concept Diagram



Other details of the service will be determined through the trial service and released from time to time at <http://www.jpix.ad.jp/>.

JPIX will continue with its enterprising efforts for the active deployment of IPv6 due to the shortage of IPv4 global addresses.

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