

Transition story

- Companies/Universities => NG
 - Satisfied with IPv4 networks.
 - No motivation.
- Home networks => OK
 - If attractive home appliances appear.
 - One appliance is not enough.
 - Examples
 - Web camera
 - IP string phone
 - The current obstacles are ADSL carriers and CPEs.
- New world => OK
 - No IPv4 network at this time.
 - Can start with dual-stak.
 - CD jukebox
 - Building automation

Web camera



- This is on the market. (open price, about 50,000 JPY)
- Provided by Panasonic.

IP string phone

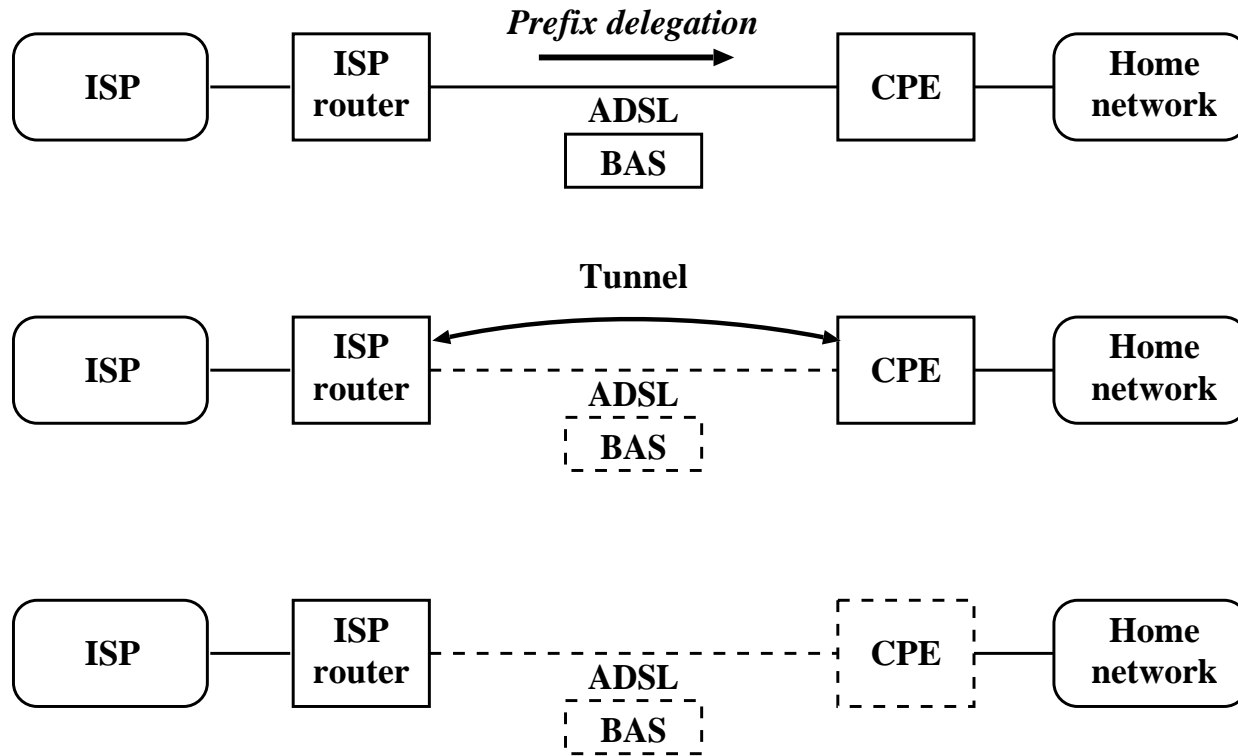


- Voice over IPv6
- A pair of *string* phone
- Will be provide by Takara (a toy maker) in this year

IIJ backbone

- IPv6 backbone was established with leased lines while IPv4 backbone was untouched.
- Currently L2TPv3 tunnelings are used.
- IIJ backbone will be fully dual-stack soon.

ADSL carriers and CPEs



CD jukebox



- Barcode reader for CDs.
 - Already used in CD stores.
- MP3 servers with wireless LAN.
 - CD market is getting smaller and smaller.
 - It is important to dig demand for OLD CDs.

Building automation



- Many objects to maintain
 - Voltmeter, ammeter, thermometer, lock, air conditioner, light, blind, water pipe, ...
- Xancia provided by Yokogawa Electric Corporation
 - Transistor Relay Output: 12ch
 - Analog Input: 4ch
- This kind of system will be used for a decade.

Other interesting business

- Freebit's IPv6 networks
 - Connecting about 300 dormitories (over 20,000 nodes)
 - By the end of 2004
 - Voice over IPv6 (1,890 JPY / month)
 - Freebit says it is easy to design IPv6 networks because of global IPv6 addresses and no NAT
- NTT east/west's TV phone
 - On the market today! (62,790 JPY)
 - But their closed network only
 - See a picture at:
 - <http://www.ntt-west.co.jp/news/0407/040720b.html>