JPNAP Update

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Internet Multifeed Co.

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JPNAP service overview

- A commercial Internet Exchange service in JAPAN operated by Internet Multifeed
- JaPan Network Access Point

  http://www.jpnap.net/english/index.html

- Started the services
  - Jan. 2001 in Tokyo (trial)
  - May 2001 in Tokyo   (JPNAP)
  - Jan. 2002 in Osaka   (JPNAP Osaka)
  - Jun. 2002 in Tokyo IPv6, and   (JPNAP6)
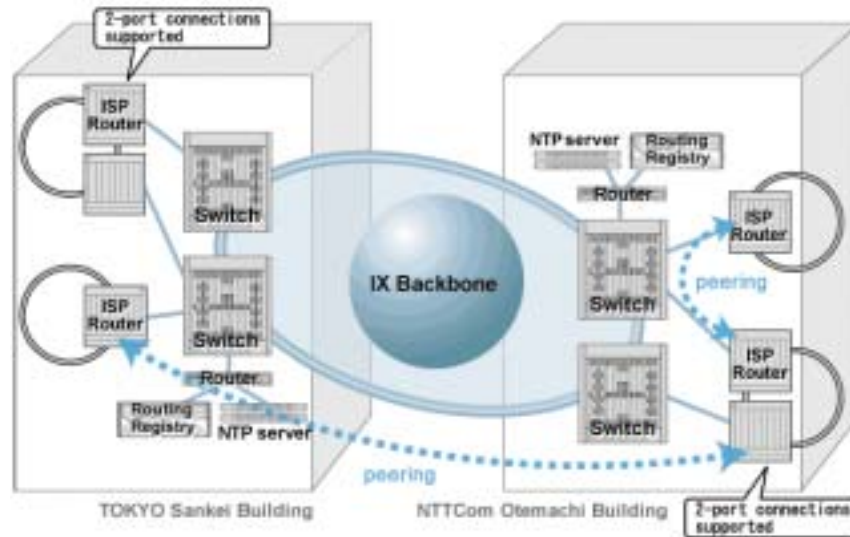 - Jan. 2003 in Tokyo supporting 10GbE
- Directly connected to iDC

JPNAP service overview

- ## Ethernet based Layer2 IX
- ## Distributed IX service
  - Interconnecting distributed two sites
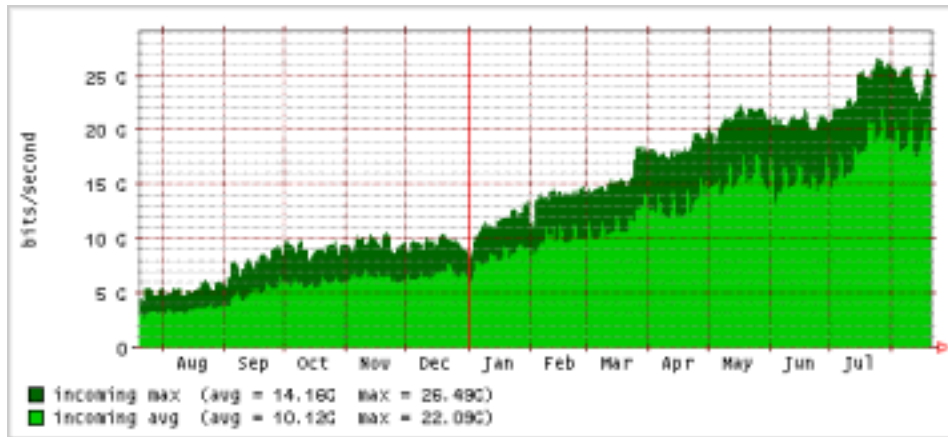 - Providing the same service at both sites

JPNAP (in Tokyo)

- Started commercial service in May 2001.
- The traffic volume has been increased rapidly.
- Major ISPs send/receive more than 4Gbps peak traffic.

<- 26.5Gbps peak
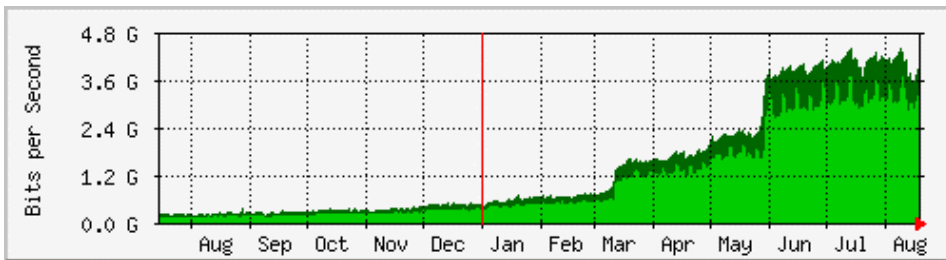   (as of Jul. 2003)

Total traffic of JPNAP

JPNAP 10G Service

- IX service supporting 10GbE IF in Tokyo
- Since Jan 2003
- Customers
  - OCN
  - IIJ
  - NTT PC Communications

  and more..

  Many customers are interested in JPNAP 10G service.

JPNAP Osaka

- Since Jan 2002.
- Not connected with JPNAP at Tokyo.
  - Redundancy in case of disaster in Tokyo area.
  - Hot-potato routing using JPNAP and JPNAP Osaka.
- The traffic volume has been increased rapidly.

Osaka Traffic

Tokyo

Osaka

500km

internet
mf

JPNAP6 (in Tokyo)

- IX service supporting IPv6
- Since Jun 2002
- Customers
  - OCN,NTT/VERIO
  - IIJ
  - DTI
  - BIGLOBE
  - MEX
  - XePhion/WAKWAK

  and more..

Internet Multifeed Co.

- A Data Center company in JAPAN
  - Established in Sep. 1997
  - Joint venture of IIJ, NTT, japanese major ISPs and ICPs
- "Multifeed" concept
  - Direct broadband connection to the backbone of major ISPs
  - The best place for delivering content to the Internet
- "JPNAP" the Internet Exchange service
  - Launched in Jan. 2001