JPNAP report

Internet Multifeed Co.

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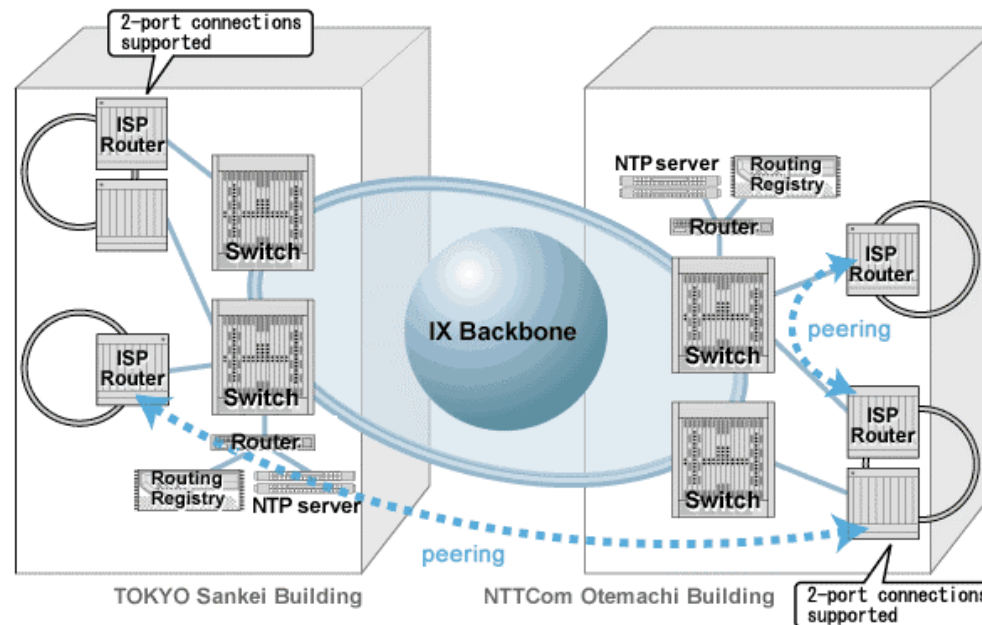
Nobuhisa Miyake

JPNAP service overview

- A commercial Internet Exchange service in JAPAN
- History
  - IPv4 IX trial service in Tokyo in Jan. 2001.
  - IPv4 IX in Tokyo in May 2001.
  - IPv4 IX in Osaka in Jan. 2002.
  - IPv6 IX in Tokyo in Jun. 2002, and
  - Adding 10G Ethernet interface option to JPNAP(Tokyo) in Jan. 2003.

All communication flows through here.

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JPNAP service overview

- Distributed IX service
  - Interconnecting distributed two sites
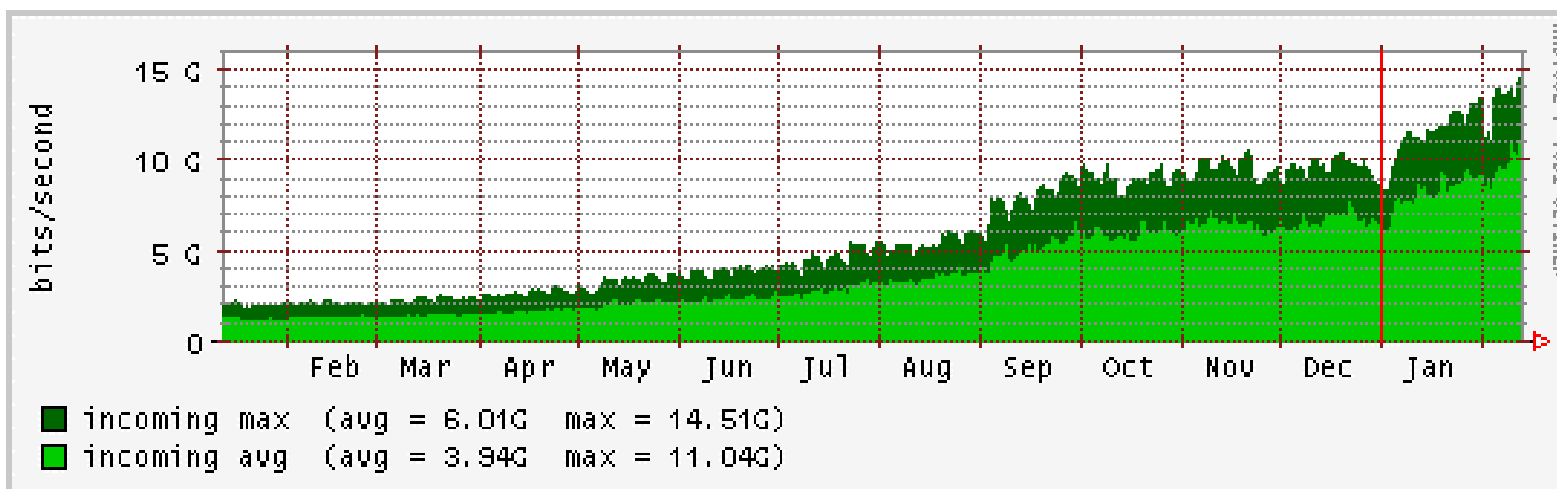 - Providing the same service at both sites

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JPNAP (in Tokyo)

- Started commercial service in May 2001.
- The traffic volume has been increased rapidly.
- More than 1G per a month！(since 6 months ago)
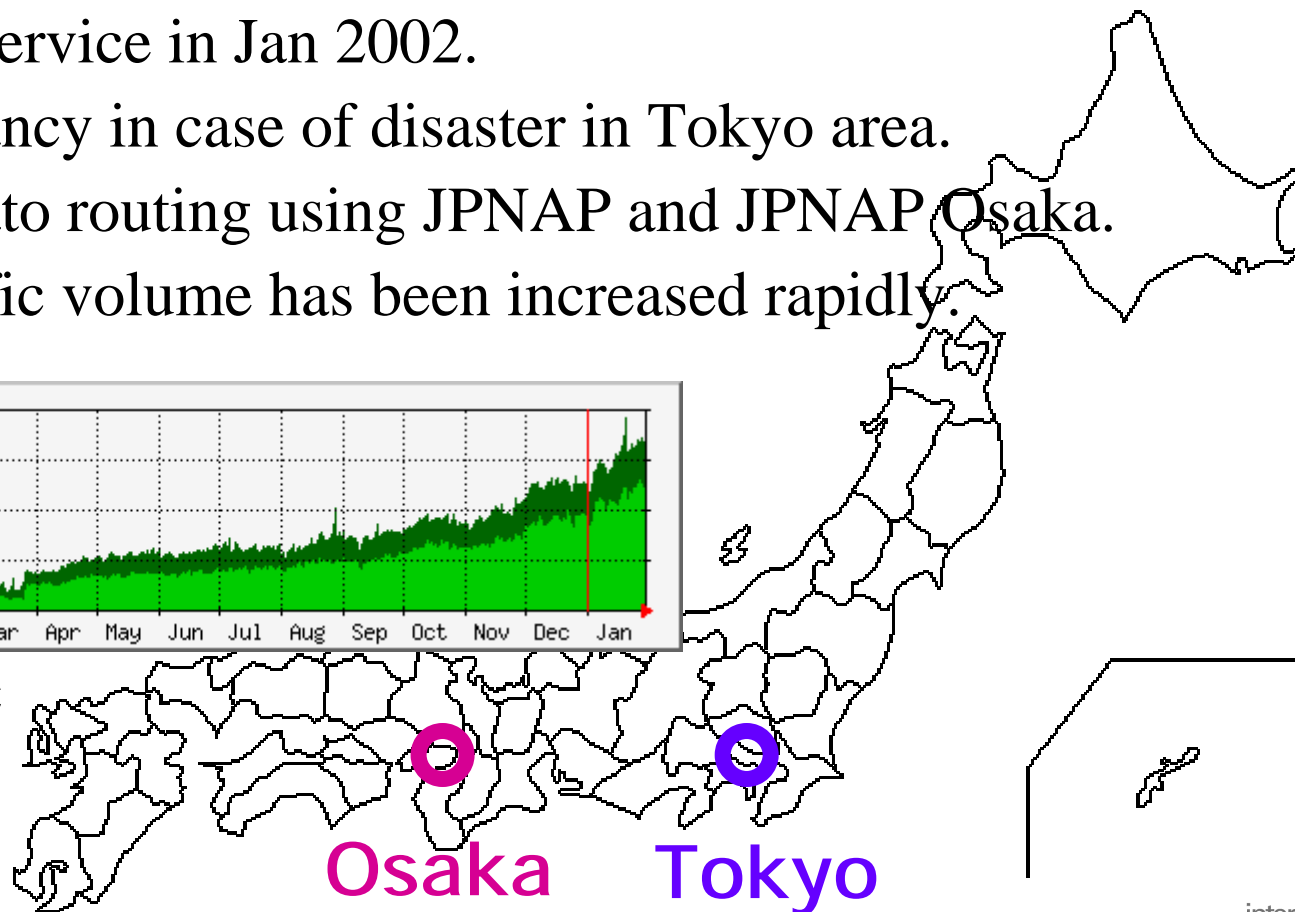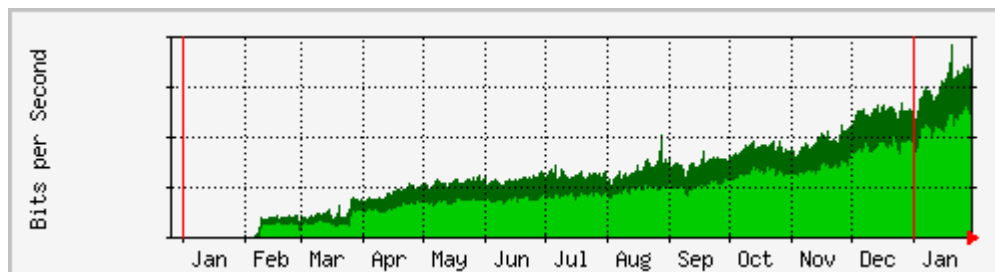- Major ISPs send/receive more than 3G peak traffic.

Total traffic of JPNAP

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15th APNIC Open Policy Meeting, Feb. 26th, 2003

JPNAP Osaka

- Started service in Jan 2002.
- 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

Osaka   Tokyo

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JPNAP6 (in Tokyo)

- IX service supporting IPv6
- Started service in Jun 2002
- The fabric is separated from IPv4 now.
- Customers
  - OCN,NTT/VERIO
  - IIJ
  - DTI
  - BIGLOBE
  - MEX
  - XePhion/WAKWAK
  - InterVia/DreamNet
  and more..

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JPNAP 10G Service (in Tokyo)

- Interface: 10G Base-LR

- Useful for ISPs who are connected with JPNAP by more than 3 or 4 GbE ports because of reducing ISP's traffic management work.

Internet Multifeed Co.

- A Data Center company in JAPAN
  - Established in Sep. 1997
  - Joint venture of IIJ, NTT, japanses major ISPs and ICPs.
- Features of our iDC called the "Multifeed" concepts
  - Direct connection to the backbone of major ISPs
  - The best place for delivering content to the Internet

- Our yet another business, the Internet Exchange service "JPNAP"
  - Launched in Jan. 2001.

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