



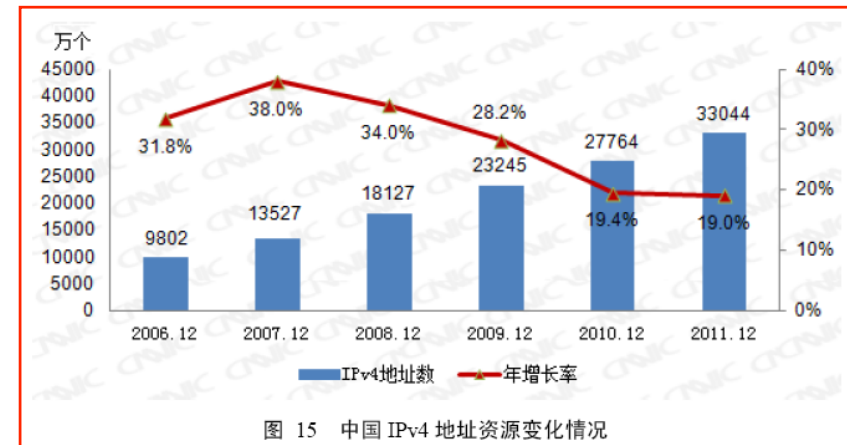
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# IPv6 Development in China

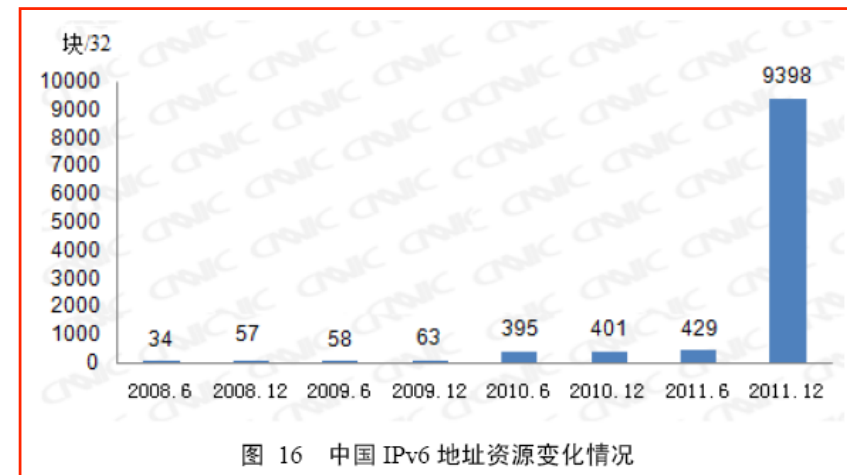
Congxiao Bao

2012-02-29

# Internet population

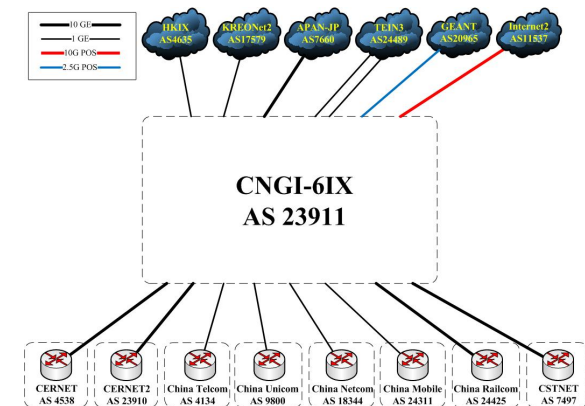
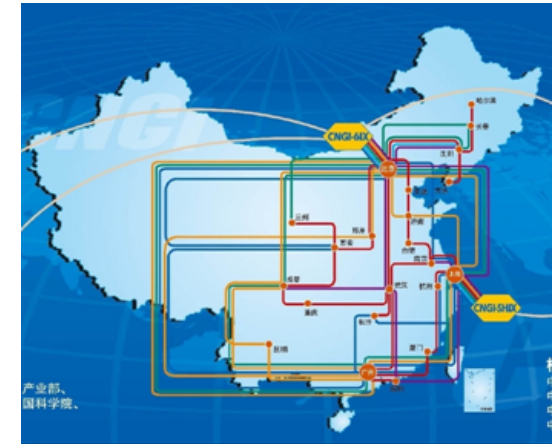


- 0.644 IPv4 address per user
- China lacks 100M+ addresses in next 3 years
- China stated CNGI project in 2002
- The IPv6 address allocation increased in 2011



# CNGI project during 2002-2011

- The major ISPs have participated in the CNGI project
- CNGI-CERNET2 is the most the active IPv6 network, the aggregated traffic exceeds 50 Gbps
- The IPv6 traffic is exchanged in CNGI-6IX. However, the traffic is only about 2 Gbps

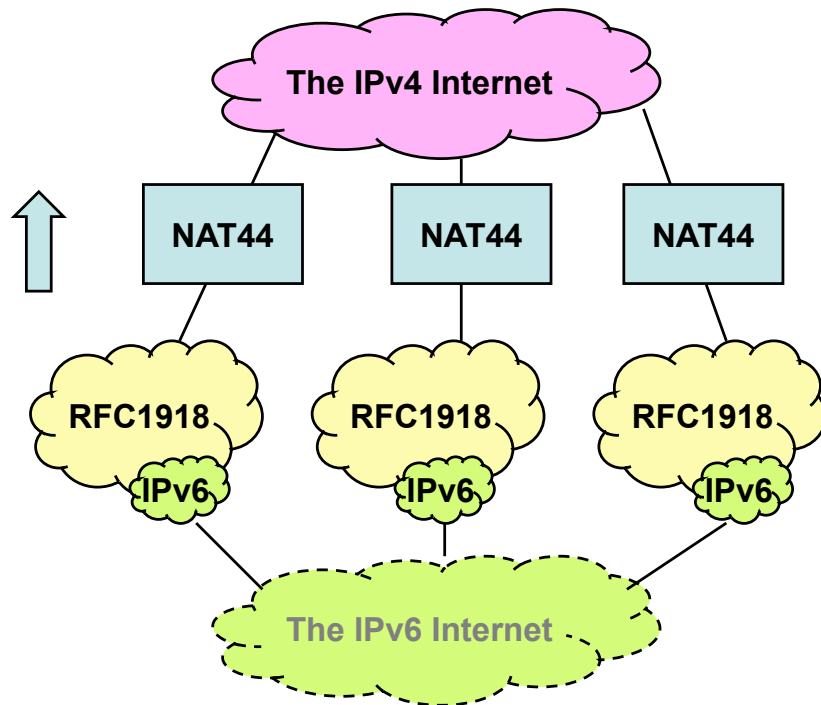


# New IPv6 action plan

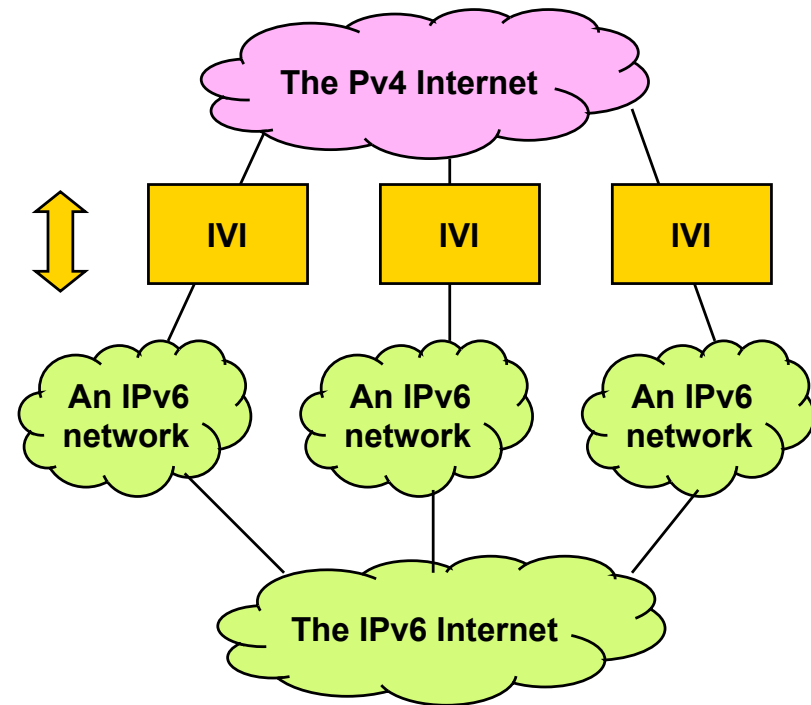


- In Dec. 23, 2011, the Chinese government announced new IPv6 action plan
- The milestones are:
  - 2012-2013
    - setup test bed (about 8M users)
    - Finalize the IPv6 business model and transition plan
  - 2014-2015
    - Large scale IPv6 deployment
    - Ensure the intercommunication between IPv4 and IPv6

# Thinking



- Translation between
  - IPv4 and RFC1918



- Translation between
  - IPv4 and IPv6