



CNNIC UPDATE

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Outline

Internet Development in China

Membership Growth

IPv4 allocation

IPv6 allocation

AS allocation

RPKI in CNNIC

China Internet Museum





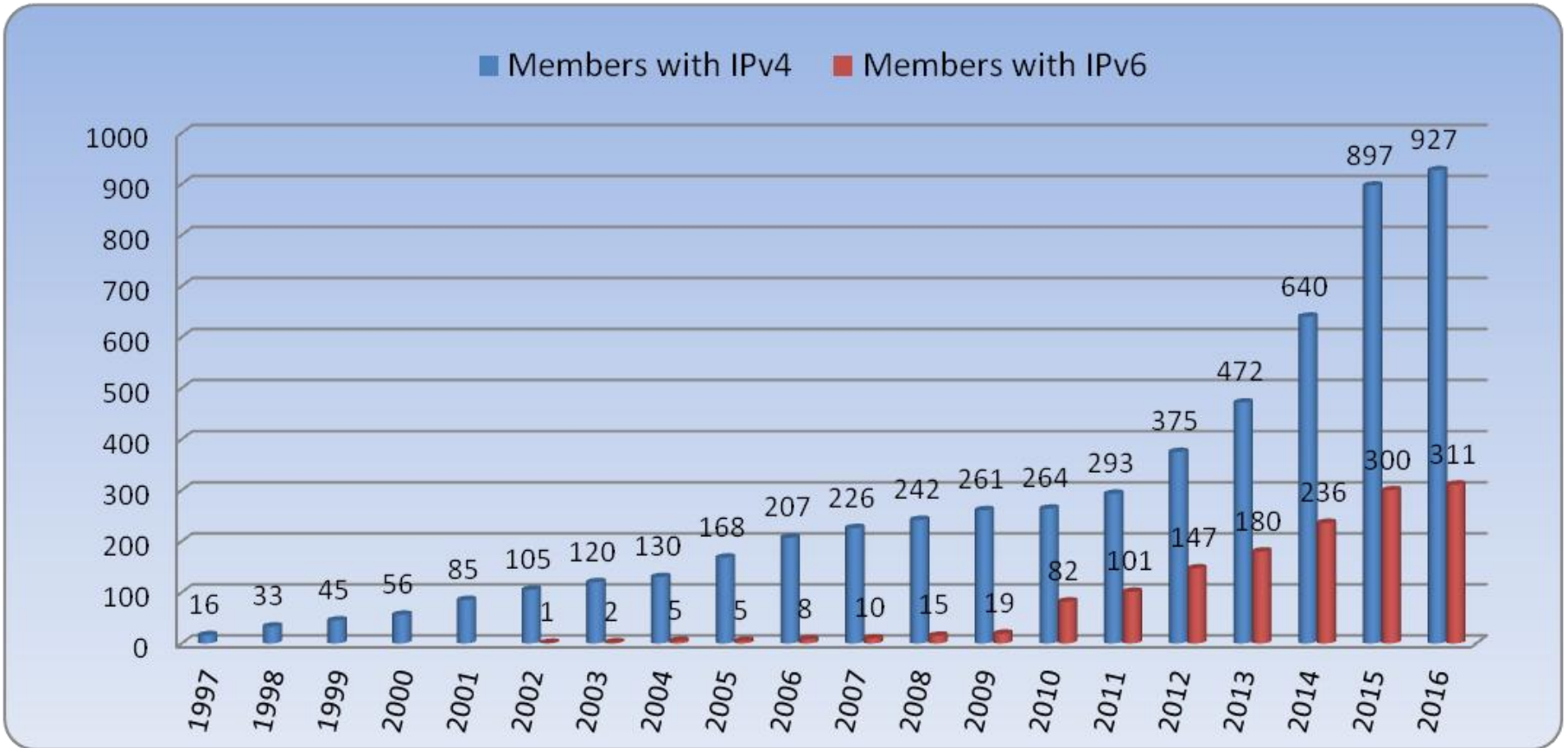
■ Internet users 688 million, Internet penetration rate 50.3%,



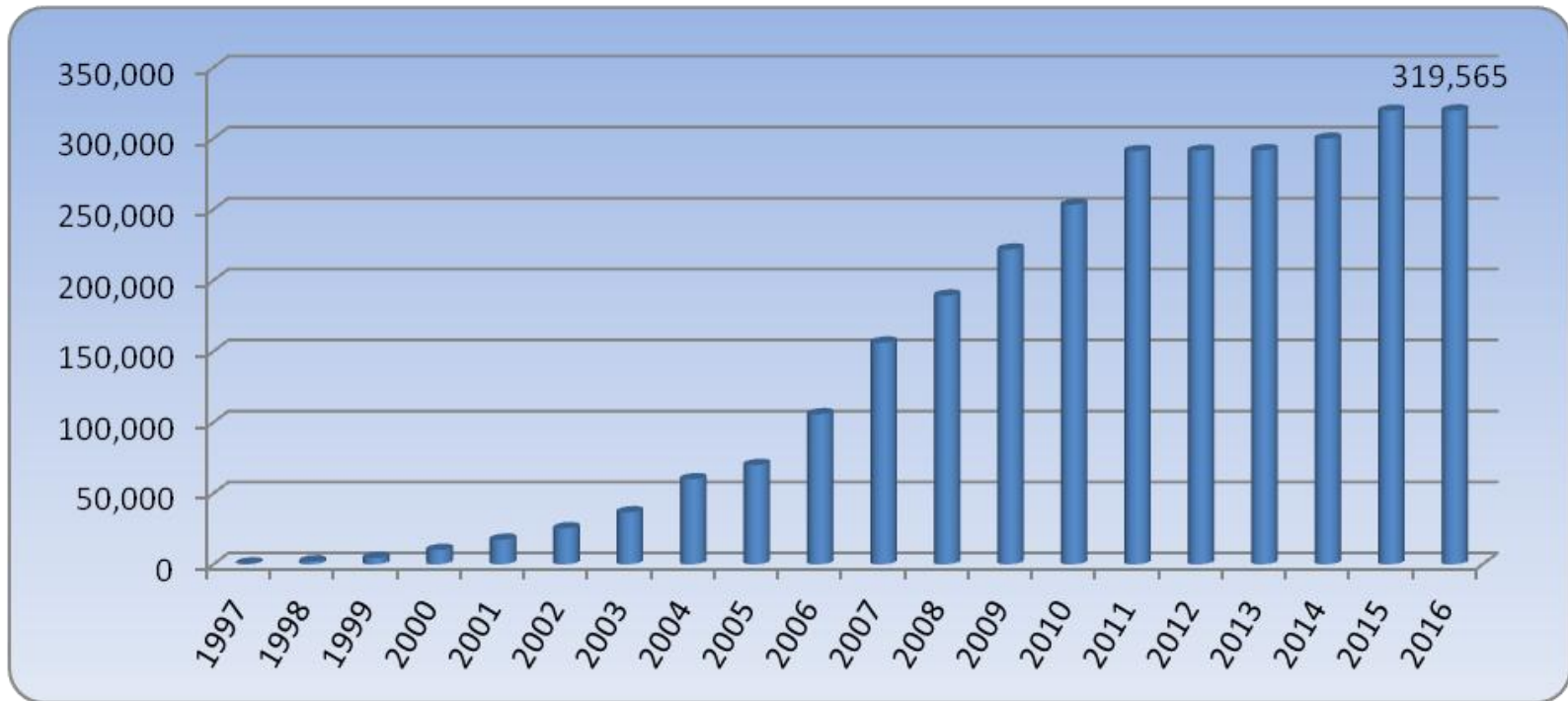
■ Mobile Internet users 620 million, 90.1% of the total Internet users

■ 927 CNNIC IP members, by the end of January 2016



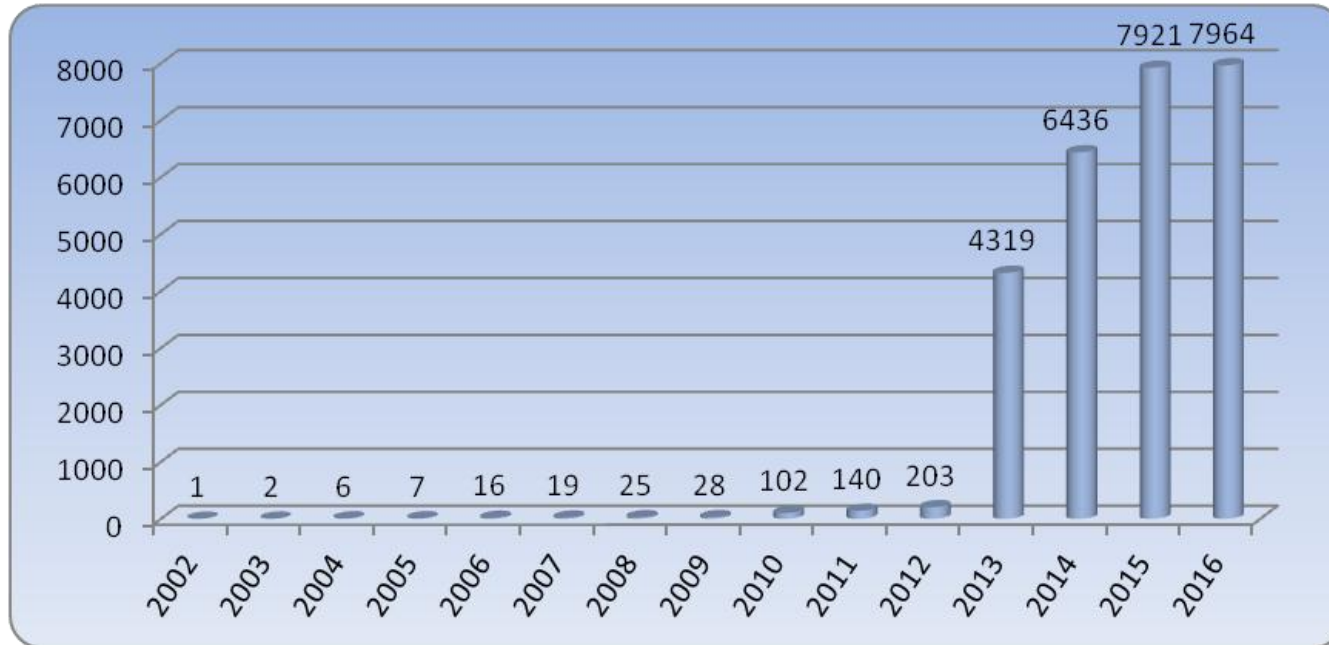


- CNNIC has allocated 319,565/24s IPv4 addresses



- /21 (/22+ /22) IPv4 allocations rapidly increase

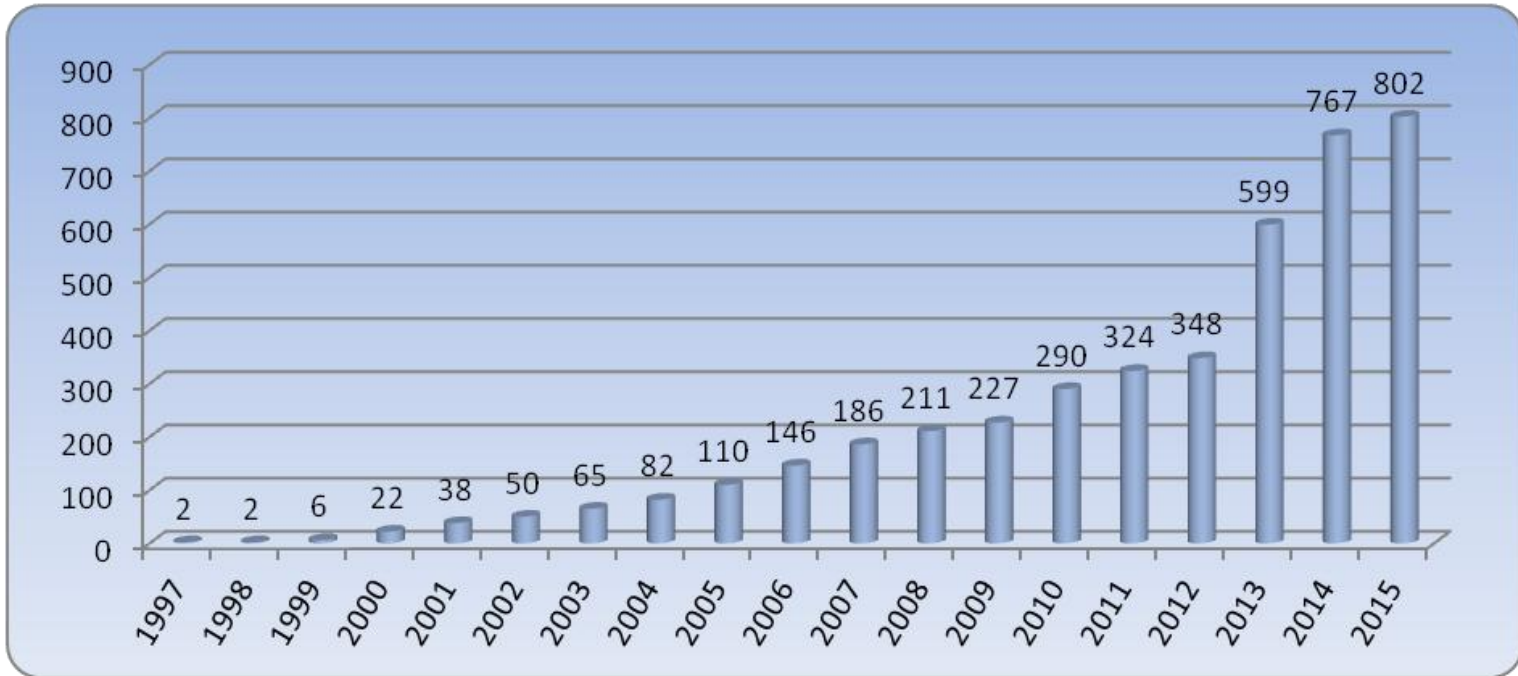
- CNNIC has allocated more than 7,900 /32 IPv6 blocks



- large IPv6 allocations in 2015

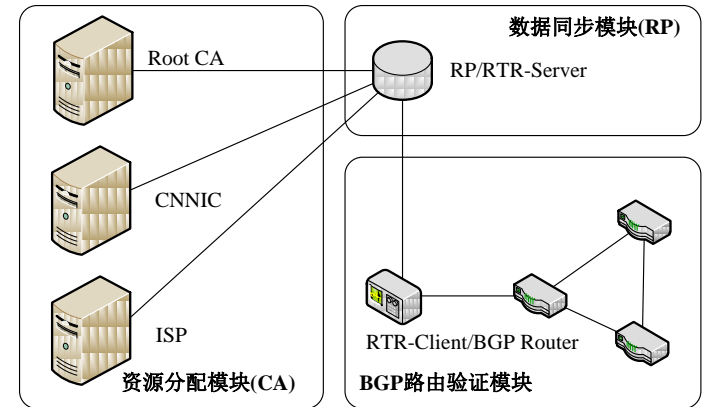
- Research Institute of Highway Ministry of Transport ,for the IPv6 transformation of the national highway information system in China
- Ali yun nationwide E-commerce IPv6 project

- CNNIC has allocated more than 800 AS numbers



- Provide 2 Byte and 4 Byte AS allocation
- Encourage the use of 4 Byte AS number

- Established the RPKI test-bed
- Released the white-paper to guide the research and test of RPKI in China
- Carried out a research on designing the optimized Rsync protocol to meet the scalability and efficiency requirements of RPKI data synchronization
- Deployed RPKI CA and RP system in 2015.6
- Released RPKI pilot platform in 2015.12



- leading the standardization of RPKI in China
- Designing the local-safeguard architecture to support the actual deployment of RPKI in CNNIC
- Pushing deployment risk analysis in IETF



中国互联网博物馆
China Internet Museum

<http://www.internet.cn>

中文 English

Home

History

Exhibition

Character

峥嵘网事 智联未来

Stay Connected Be Enlightened



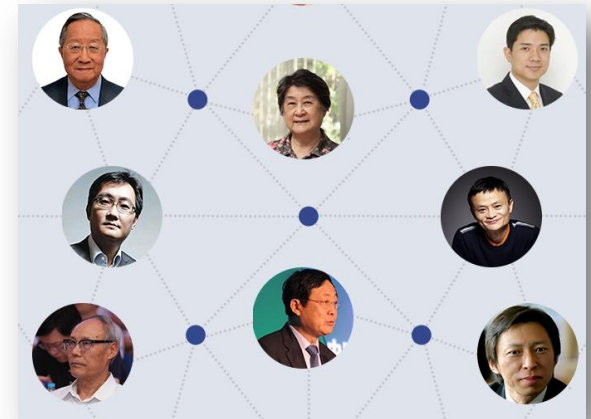
The first www server in China

In May, 1994, the first web server was setup in the Institute of High Energy Physics of Chinese Academy of Sciences. It used the Linux operating system, and ran 24 hours a day. This was the first server of the World Wide Web, where the first set of web pages was published.



The First Router in China

The first router independently developed by China was born at the Computer Network Information Center of Chinese Academy of Sciences at the end of 1992.



THANKS!

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