



CNNIC UPDATE

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NIR SIG, APNIC 46, Noumea

Internet development in China
Membership growth
IP/AS allocation
Training program
IPv6 Deployment in China



中国网民规模和互联网普及率



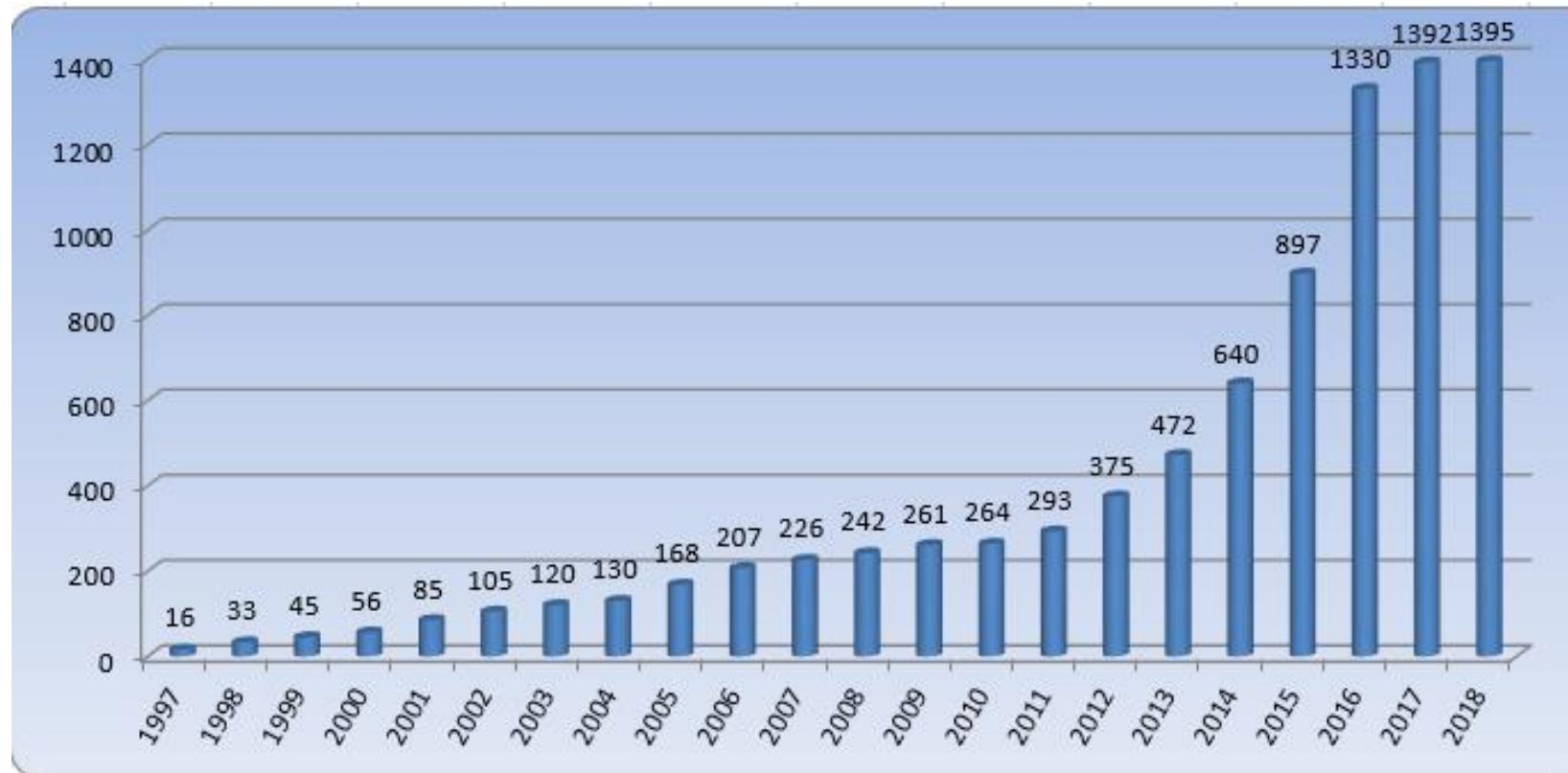
中国手机网民规模及其占网民比例



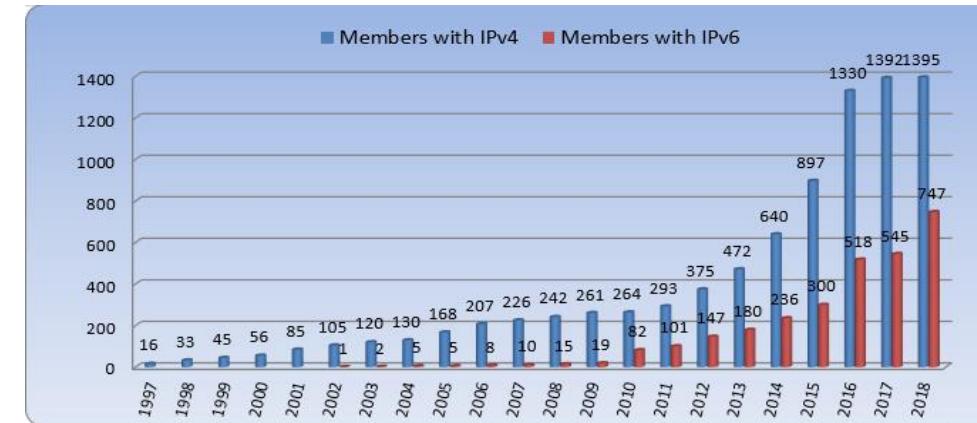
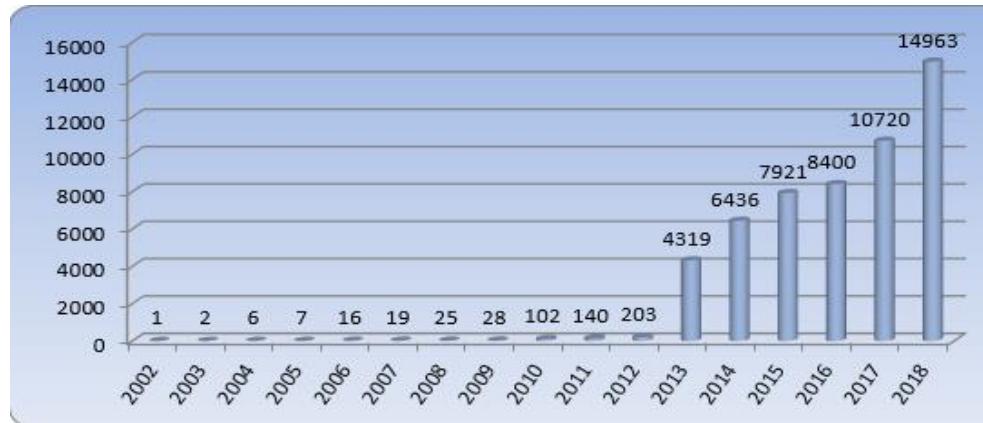
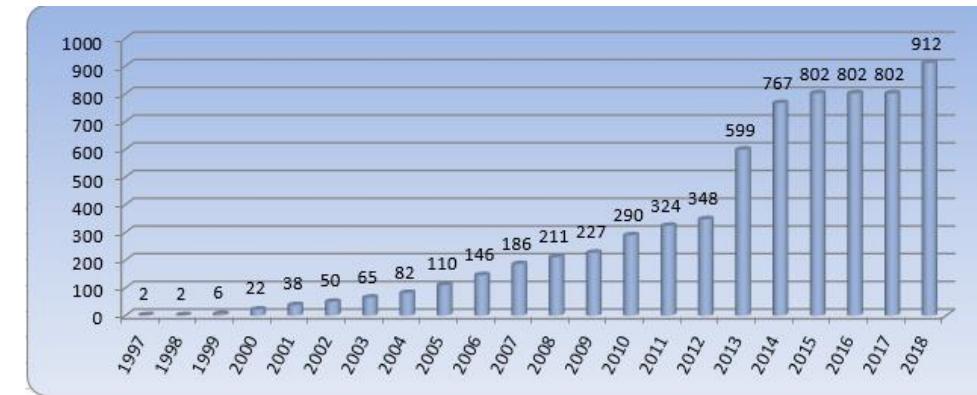
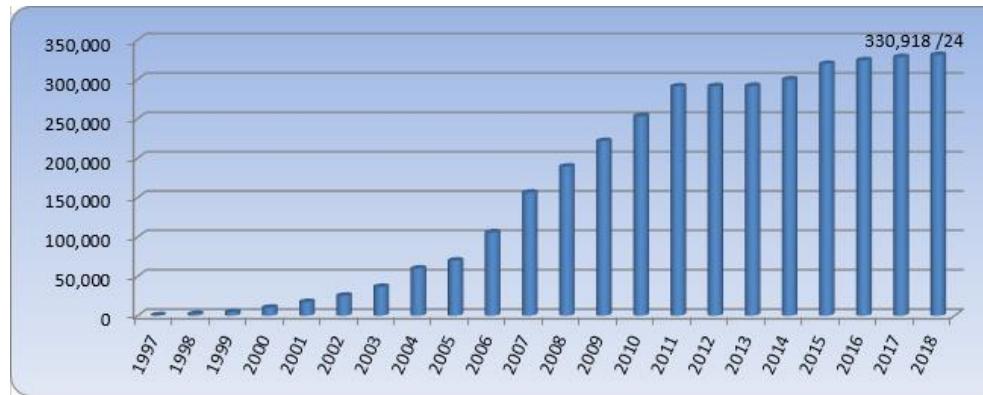
■ Internet users 802 million, Internet penetration rate 57.7%

■ Mobile Internet users 788 million, 98.3% of the total Internet users

■ 1,395 CNNIC IP members, by the end of August 2018



- CNNIC has allocated 330,918 /24s IPv4 addresses, 14,963 /32 IPv6 blocks and 912 AS numbers



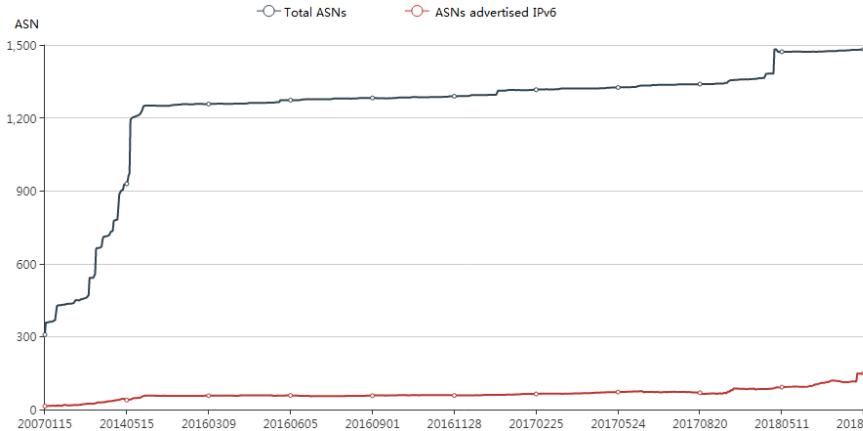
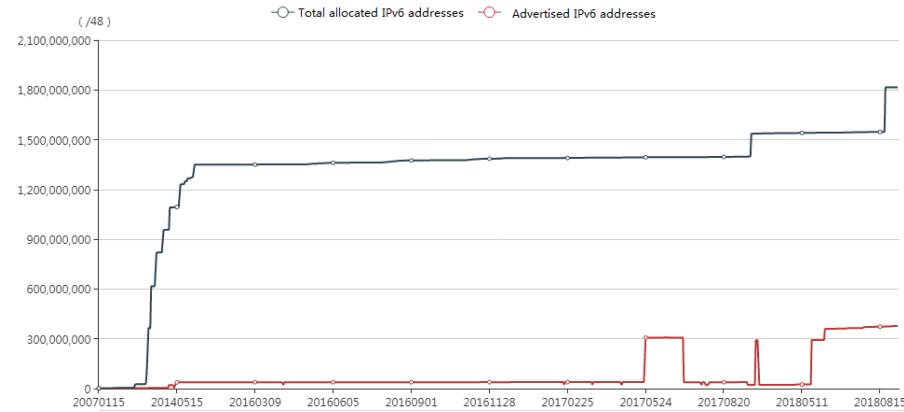
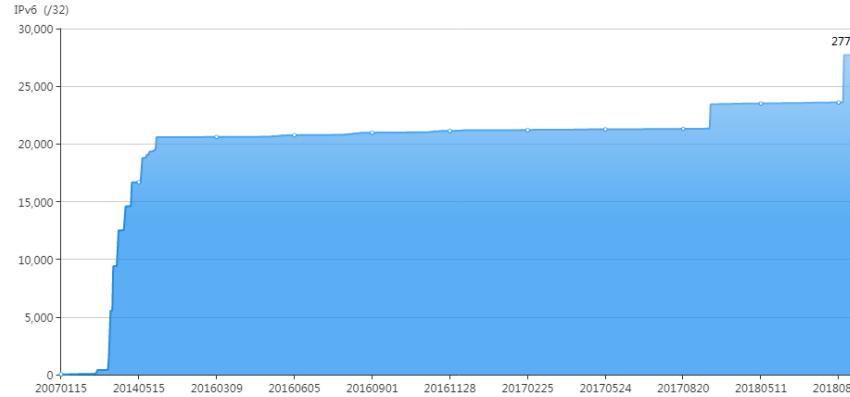
■ 2018.7 Beijing

- 2days, 70 trainees
- IPv6, RPKI

■ 2018.11 Shenzhen (in Plan)



■ IPv6 advertised status in China



- By 2018.8 , China holds 27706 /32 IPv6 addresses, accounting for 11.4% of the global allocated
- Advertised IPv6 addresses account for 20.8% of the total allocated in China, and 5.1% of the global advertised
- 1484 ASNs in China, 163 of them advertise IPv6 addresses, the ratio is 11.0%

■ Network infrastructure

- Core network, Metropolitan Area Network, Access Network of tier one operators IPv6 upgrade
- 26 provinces, 100+ cities LTE network IPv6 upgrade
- International IPv6 bandwidth 70G, domestic interconnection IPv6 bandwidth 3T
- 70 Million IPv6 users

■ Application infrastructure

- Large IDCs have supported IPv6 (500+)
- Business system, operation system, support system of tier one operators have supported IPv6
- Some CDNs, Cloud enterprises provide IPv6 commercial services

■ Internet applications

- Portal websites of tier one operators have finished IPv6 upgrade.
- Leading Internet enterprises have made out IPv6 transition plans for applications which have large number of users and traffic

■ Terminals

- New purchased terminals(fixed/mobile) have supported IPv6 100%, and most of them support IPv4 / IPv6 dual stack by default.

THANKS!

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