



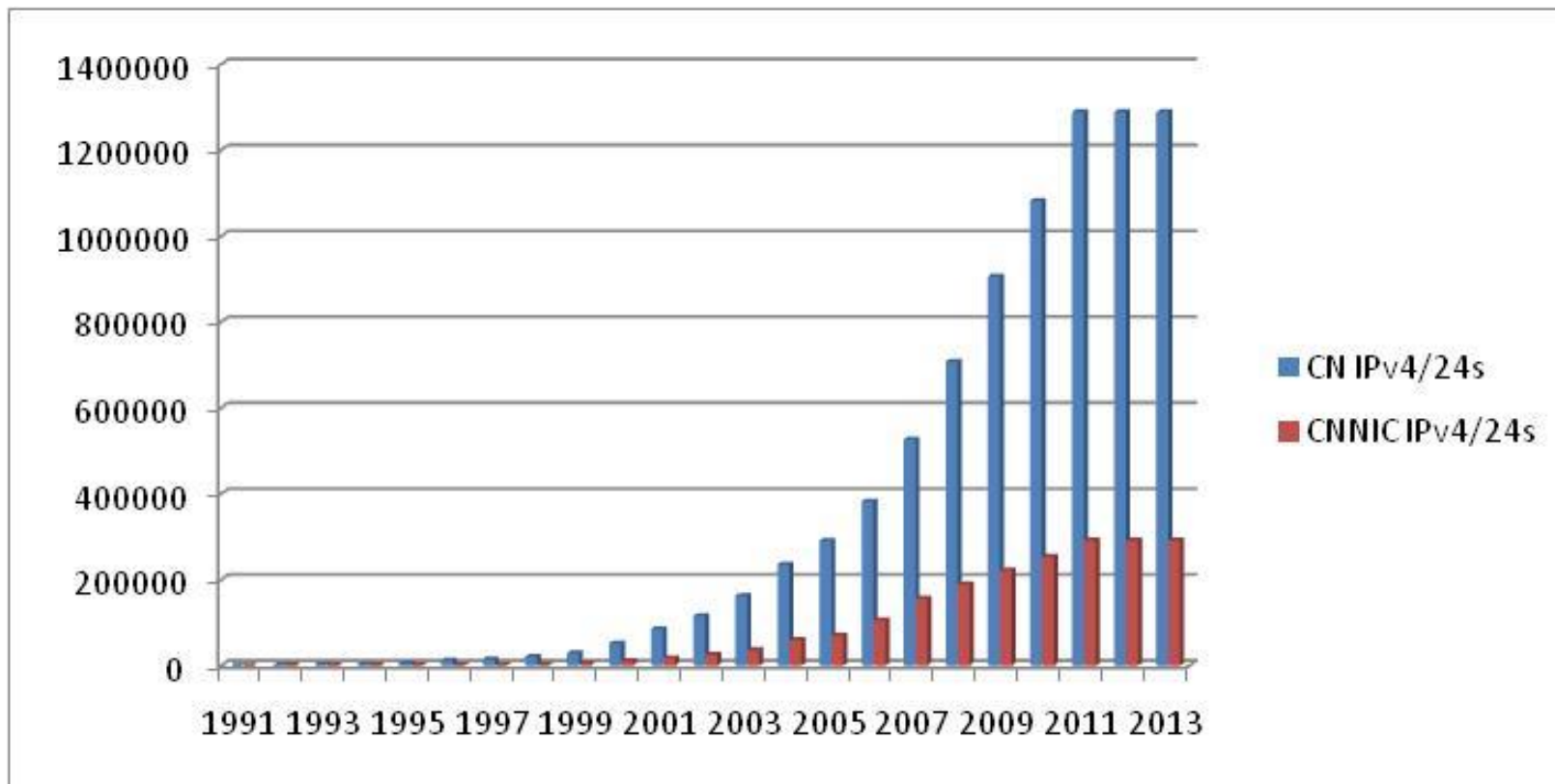
CNNIC UPDATE

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- CNNIC has allocated 289628 /24s IPv4 addresses in all
- Member and final /8 IPv4 allocations rapidly increase



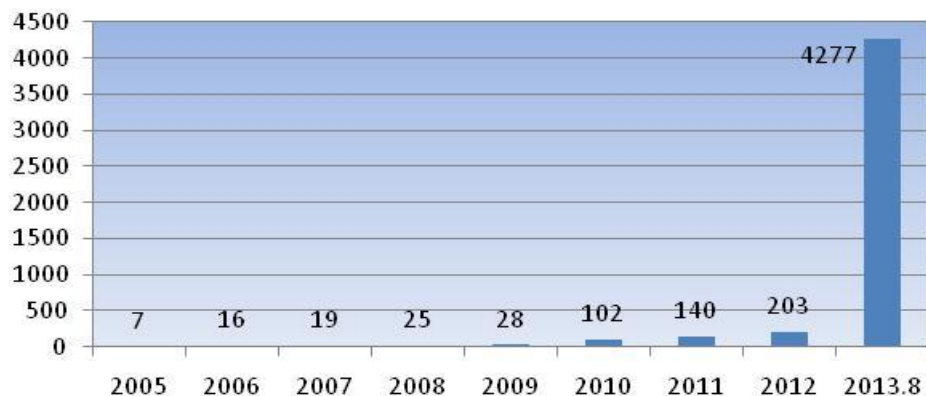
■IPv6 allocation in the world

No.	Country	IPv6 (/32s)	Proportion
1	America	27364	20.87%
2	China	16612	12.67%
3	Germany	11665	8.90%
4	Japan	11268	8.59%
5	France	9152	6.98%
Global Total		131072	

■IPv6 allocation in China

Organization	IPv6(/32)
CNNIC members	4277
CHINANET	4099
CHINA UNICOM	4098
CHINA MOBILE	4098
Others	40
China Total	16612

■CNNIC IPv6 allocations



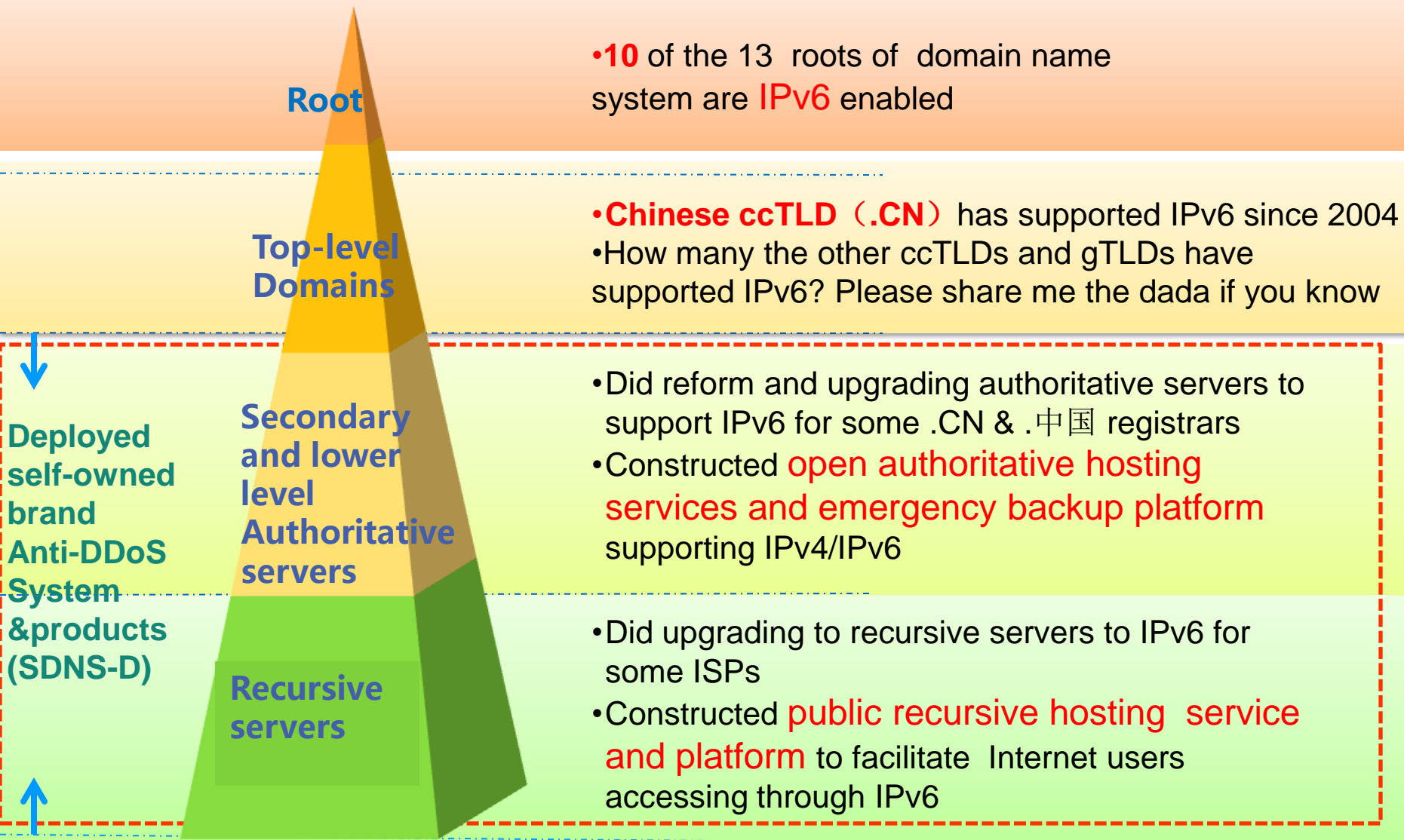
- Chinese authorities pay great attention on the Next Generation Internet based on IPv6 and have issued a series of announcements to specify the target and roadmap of development of next generation Internet, providing policy and financial supporting measures
- Following the important principle ‘Government network must go first for the informatization’ , national e-government extranet (e-government public infrastructure) will take the lead in the field of e-government planning, deployment and pilot IPv6 related technologies
- IPv6 is a must for the e-government extranet, because with the expanding coverage of e-government network and increasing services& applications, IPv4 shortage is a big barrier for system deployment and providing new services

Service	Description	IPv4	IPv6
Leased line	All users with a fixed office space are leased line users	√	√
IPSecVPN	Supporting users to access Internet via security encryption technology, providing services for small branch offices and mobile worker	√	√
3G	Supporting authorized users access business systems through 3G wireless accessing-devices, smart phones, tablet PCs and other mobile products	√	√
Government Website	About 70% above the level the central government enterprises and extranet web systems support IPv6 by the end of 2013	√	√
Cloud-computing	With cloud technology, all levels of cloud services-providers can provide virtual computing and storage services for their users; every service system requires independent and inter-isolated address space		√
Government Internet OF Things(IoT)	Using for applications in the fields of urban safety, emergency management and livelihood- benefiting		√

Domain Name System(DNS) is a core service on Internet; upgrading DNS to support IPv6 is an important part of the whole IPv6 transition work

- The project is under the China Next Generation Internet(CNGI) project, which is a large National Project with a series of specific projects driven by Chinese government
- The DNS upgrading project is from January, 2012 to December, 2013
- CNNIC is the undertaker of the project; Dozens Internet Service Providers are chosen as co-undertakers





THANKS!

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