Internet Governance for Sustainable Development

CNNIC in China, more than a ccTLD registry

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CNNIC, China
Internet in China---contribution to the world

- IPv4 Address allocated by CNNIC: 74.17 million (4.42A), ranking the second in China.
- IPv6 Address allocated by CNNIC: 4319/32, ranking the first in China.
- AS Number Assigned by CNNIC: 601, ranking first in China.

- 18.44 million domain names in total in Chinese market
- 10.83 million .CN, 50%+ of the market

---Dec 2013
Seven principles of Internet Governance from China

Minister Lu Wei of China's Cyberspace Affairs Administration

- The Internet should be for the benefit of all mankind, to bring well-being of people around the world, rather than harm.

- The Internet should be brought to the States peace and security, and be weapon;

- The Internet should be more of interests of developing countries

- The Internet should be for civilizations and integrity, and not full of rumors and fraud.

- The Internet should pass positive energy, inherit and carry forward the excellent culture of mankind.

- The Internet should focus on protecting the legitimate rights and interests of citizens, and is not for criminal activity, or a tool to carry out terrorist activities.

- Internet should contribute to healthy growth of youth, as it relates to the future of mankind.
Development and cooperation is the goal of Internet governance principles
CNNIC plays more than one role in Chinese Internet Ecosystem

Registry of .CN
- 10.58 million .CN
- IDN, IP, DNSSEC, 30 nodes, Anti-DDOS, etc
- Cloud computing, IOT

Platform of Cooperation
- Internet governance research
- Domestic business platform
- Non-profit activities

A Link from China to the world
- Chinese Internet industry
- I* organizations
- Global Internet industry
- Regional organizations
- Developing countries

ccTLD Registry of .CN

Platform of cooperation in China

A Link from China to the world
Symbols of China and Chinese in the Internet
- .CN directly indicates China
- “中国” is for global Chinese language users

Responsibilities of CNNIC as a ccTLD registry in China

Public trust
- 10.58 million .CN users’ trust
- High level of service level is the key
- National authoritative Internet statistics report

Symbolic representation of China and Chinese in the Internet

Non-profit development strategy
- Investment to poor areas
- Education of using Internet

Technology and research
- IDN and IDN email for Chinese language users
- Anti-DDOS attack, DNSSEC, and etc.
- Cloud service, IOT

Foundation of the Internet of China
- Maintain a stable and secure DNS system for the Internet of China
- Fast development steps supporting the fast development of the Chinese economy

Capacity building
- Build DNS systems for other gTLD registries in China
- Training program development

International cooperation
- Share domestic and International channels for cooperation
Capacity Building – Keep Internet ecosystem open and reciprocal

- 30 global nodes in national top level domain
- Domain name and IP address operation management platform
- Domain emergency security protection platform
- Internet monitoring and data analysis platform
- Established three big data centers
- The only EBERO agent in Asia-Pacific
- One of the only two DATA ESCROWs in Asia-Pacific

- IDN: launched Chinese Character Table, participated in RFC 3743 and RFC 4713.
- Published 2 EAI related standards
- International Standard-Setting with TWNIC, HK, etc.
- Participate in BIND 10 development
- New gTLD with service of application, consulting & Back-end, Tech support, Back-end registry
- WHOIS next generation protocol — WEIRDS in ICANN
We invite you to join us!

--- Joint Work with Our Friends ---

NICs  Other Programs

International Orgs  Regional Orgs

Industry  Community

--- How to Join Us ---

As participants or co-sponsors

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The Global Digital Divide

INTERNET RESOURCES CAPACITY COOPERATION PROGRAM

中国-东南亚互联网基础设施资源共享合作项目
Thank you