Development Status of China OSS

( Keynote Speech )

Chairman of China OSS Promotion Union
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• Booming and flourishing of OSS in the world

• The development and achievements of China's open-source software

• Future outlook and suggestions
Open Source Software (OSS) – Market Trends

“Software Is Eating The World”
Marc Andreessen

“To abandon the open-source strategy is unrealistic and will dwarf themselves by competitive disadvantages.”
Open Source Software (OSS) – Market Trends

92% of the world's super computers based on Linux.

Over 90 million mobile devices powered by the Linux system each day.

85% of the world's securities exchange markets are framed on the Linux system:
London Stock Exchange, New York Stock Exchange, Tokyo Securities Exchange ……

Linux is essential in all forms of computing, is the fastest growing software technology application with the most extensive coverage.
Flourishing of OSS Projects

- From over 5000 open source website
- 100 Billion lines of Code
- Nearly 0.1 Peta bytes

Source: Black Duck Software Knowledge Base, 2012
New software innovation driven by OSS

- Over 18,000 items in accumulation
- Increasing more than one times annually in the past 3 years
- Over 10,000 new projects in 2011 alone

Source: Black Duck Software Knowledge Base
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Industry environment and influence gradually improved

• “Software and IT services 12th Five-Year development plan” clearly stated that “to support the open source software development and applications to promote and accelerate the formation of industrial ecosystem based on the open-source model, bringing about more social resources invested, to further enhance the level of innovation and development for open source software companies.

• Promote cloud computing pilot to expand the space for the development of open source applications.

• Public service platform for open source software and open-source software promotion institution development achieved good results, services operating model innovated and the industry's public service system improved, the ability to serve the enterprise and promote industrial development significantly improved. The open source software is widely used.
OSS applications enhanced development of businesses, the industrial overall strength improved

- Open source software rises to new applications in the field of mobile Internet, cloud computing.
- Large enterprises have joined the open source ranks, accelerated innovation: China Mobile, China Unicom, Huawei, ZTE, Lenovo, Alibaba, Baidu, Tencent, Sina and other.

According to surveys, overall revenue of Linux on the Chinese market in 2011 is 5.4 billion RMB, an annual growth rate of 20%. 
The rise of the China mobile terminal

• According to Gartner, the global sales of mobile phones in Q1 2012 is (including feature phones and smart phones): 419 100 000. Which, ZTE ranked fourth, the Huawei sixth.

• According to the Shiner data in April 2012 statistics, in the Top 5 of the smart phone market share, China's domestic enterprises accounted for four seats: CoolPad, Huawei, Lenovo, ZTE, and its market share add up to 41.58%.
China's contribution to the open source community increased annually

1) Chinese open source communities are promoted in the number and activity coverage

AVS、DEEPIN、Openfans、TaoCode 、PMON and other domestic communities have emerged. China open source community has grown to more than 200.

2) Changing from consumers to contributors in international Communities, emergence of world-class open source projects.

Taobao TFS billion level of file storage system, the fastDFS file system, Netease tcpcopy

China open source software competition (Loongson)

In 2012, under the guidance of China OSS Promotion Union, the second Loongson cup open source software competition held successfully. Received more than 100 copies of effective works, 48 works into the final.
China's contribution to the open source community increased annually

3) Chinese contribution in the Linux kernel community has risen to fourth.

In the latest version of Linux 3.2, Wu Fengguang's work for outstanding contribution from Chinese Community, is praised by LINUS TORVALDS as the greatest improvement in this version.

China Linux Kernel Summit

On October 13, 2012 under the guidance of COPU, the seventh Chinese Linux kernel conference successfully held in Beijing. Chairman Qiu Shanqin gave the opening address. Academician Ni Guangnan, RedHat, Intel, IBM, Oracle and other senior experts, Professor Chen Lijun of Xi’an University of Posts and Telecommunications, taobao.com technology expert Ma Tao experts attending the meeting.
• Northeast Asia OSS Promotion Forum and achievements of China's open-source software

  – Technology development and assessments （WG1）
  – Open Source HRD （WG2）
  – Standardization and Testing （WG3）
  – Application and Promotion （WG4）
Open source international cooperation has been strengthened, further expand the influence

- To further strengthen international cooperation efforts to promote open source software.
- China OSS Promotion Union through discussion, research and so on, and the open source community organization subscriber units communication, to promote open source application and popularization of the achievements.
- In June this year, "open source China open source world" summit held in Beijing
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1. Strengthen the cooperation
To actively cooperate with global and domestic enterprises and within CJK.
2. Strengthening the construction of the open source community
3. Strengthening the Ecosystem Construction

- 用
  - 淘宝、华为、联想、普华
  - 移动、联通……

- 学
  - 国防科技大学
  - 电子科技大学、西安邮电学院……

- 研
  - CSIP-Ubuntu 联合实验室
  - CSIP—教育部
  - 基础软件工程研究中心
  - 中国信息安全测评中心……

- 社区
  - 中国开源软件推进联盟（COPU）
  - 中国开源社区
  - “开源及基础软件通用技术创新战略联盟”（优盟）……

- 应用软件
  - 智能手机操作系统
    - 应用程序接口
    - 中间件
    - 应用框架
    - Java 虚拟机
    - 安全可控
      - 操作系统内核
    - 底层驱动程序
  - 硬件平台

- 产业生态支撑体系
  - 技术创新服务
  - 知识产权服务
  - 人才培养服务
  - 信息化与安全服务
  - 投融资服务
  - 品牌市场服务
  - 咨询及项目服务
  - 智慧园区服务
4. Deepen the open source industry talent training

Construction of human resources adopting 5+1 mode

- 5-level talent team
  - Community leaders
  - The joint allied team
  - Cooperative team
  - Community volunteer
  - College talents reservation

- 1 system for cultivating engineering
  - CSIP-NITE
5. Pragmatic open source union activities

1) Build China OSS Promotion Union portal
2) Northeast Asia Open Source Software Promotion Forum
3) Open source China open source World Summit and Roundtable Meeting
4) China open source software competition (Loongson)
5) China Linux Kernel Summit
6) Asia-Pacific cloud technology summit
7) Asia-Pacific Open Source Big Data Forum
8) Open source in Universities and SFD China
9) Open source cloud computing and intelligent city exhibition and related activities
Thank you!