

OSS Movement in China and CJK OSS Promotion Forum

Lu Shouqun chairman of COPU



Growth Rate of Linux in China

year	growth rate
2003	27%
2004	45%
2005	81%

market share of operation systems in China

year	Linux	Unix	Windows	Others
2003	4.2	30.9	55.1	9.8
2004	6.1	24.7	60.0	9.2
2005	9.8	19.8	64.8	5.6

Market Share of Linux in China

Market share of Linux in China according to the statistics of CCID

Redflag	32.1%
Novell	29.5%
Red Hat	19.7%
Beijing Turbolinux	9.8%(long term contact with ICBC)
CS2C	7.1%
other	1.8%(Co-create makes experiment e-government project in Pinggu district Beijing with 4680 computers and Linux/Open office system; Sun-Wah supports application in education in Jiangsu province)

LAMP Infrastructure has become the trend

- Gartner believes LAMP infrastructure has become the trend with popularity in some industries.
- LAMP infrastructure: L-Linux operation system, A-Apache, the typical open source middle ware/server(web server, application server, etc), M- MySQL, the typical open source data base, P-PHP, Perl, Python or Ruby.
- LAMP infrastructure(PHP), together with J2EE (Java) and .NET(C++) has become the three pillars in the market, competing with each other.
- J2EE and open source①POJO, Plain-Old-Java-Object)
②Open Source J2EE ③Mix
- Nov.13th,2006, Sun announced that Java is opened and obey GpLv2
- .Net and Open source: WAMP (W-Windows) based on the current resource

Progress of LAMP in China (一)

- OS operation system As to OS operation system, BSD has been developed besides the big progress of Linux.
- OS middle ware According to Nexen.net, Apache application in China is not so good, whose market share is 17.65%, ranking the last but one in the world. Guangzhou middle ware Research Center (South China University of Technology), the member of objectweb, is developing OS middle ware platform, OS application middle ware, RFID middle ware. Kingdee Middle ware Company is developing OS community, OS application middle ware, OS news middle ware; Beijing Eastern Science and Technology is also a community /company focusing on OS application middle ware. Application of Apache and various of OS middle ware develop very fast recently in China.



Progress of LAMP in China (二)

- open source database in China has not been closely related to open source technology. The application of open source database has just started. In August, MySQL and Great Linux have jointly founded Beijing Research Center, and Beijing Turbolinux has become the agency for MySQL.
- As to the language of OSS, there are many developers of C++ in China, but there are very few developers of PHP, Perl, Python and Ruby. Statistics show, PHP in China ranks the fourth or fifth from the bottom.
- In September 2006, Zend、Yahoo! MySQL、Intel、PHPChina have held PHP seminar with OSS companies/ communities, and reached an agreement of joint R&D and application.
- LAMP, J2EE and .NET have become the three pillars and connected to each other. The adoption of LAMP in China is 10-20%, which is still in a low level.
- The application solutions of development, promotion based on LAMP or Mix of open source/ proprietary infrastructure is in the early stage with a long way to go.



OSS Application Area

government	e-government, government website, emergency dealing system, decision making system
industry	finance, insurance, tax, telecom, energy, post, traffic, water resource, education, sanitation, metallurgy, agriculture and other industry, e-business
company	ERP, informatization of company
network	Internet, online game, network TV, etc.
individual/family	Intelligent Mobile phone, digital family, consumption market, DRM.

OSS application in China has entered into various sectors, among which government, education, company, telecom (including internet), finance altogether have taken 90%; application in energy and consumption is exploring. In all, OSS application market in China is becoming bigger and bigger.

Education and Training in Open Source Movement

- Open source courses are started in colleges and universities
 - Combination of government and private sector
 - government: there are over 40 training centers nationwide in colleges and universities. Open source textbooks and training lecturers (so far 120 lecturers has been trained)
 - Private sector: LUPA in Zhejiang province is very outstanding. About 200 colleges and universities have started or prepare to start open source courses including Guangdong province and other regions in China.
- Vocation training
 - The training is initiated by development, sales, application sectors separately. They need to be planed in a whole picture.
- OSS contest(nationwide)
 - OSS contest has been held in China(organized by Co-create Software League)and CJK for several times. This year there are 7 sub area contests,which will be held in December, and the final contest will be held in January next year.



Turning Point of OSS movement in China

- OSS movement in China now has grown from the early stage(weak infrastructure, lack of OSS culture and conception, utilitarian) into the fast growing period.
- It has changed from closed development mechanism into open and collaborative development.
- Some companies' violation of GPL has been stopped.
- The ignorance of project experience and innovation has been changed, and collaborative development and quality certificate and realization of project have been improved.
- We are finding ways to balance the characteristics of free/open source software, OSS culture and business modal. The main business modal maybe free software(program, document), software service charges.
- It has grown from imitation period into application and innovation with many new OSS companies.
- It has grown from Linux only into comprehensive development of OSS industry.

International Collaboration of OSS Movement

Under the guidance of combination of government and civil sector, CJK has founded OSS Promotion Forum and 3 WGs and establish the collaboration project, which drives substantial collaboration.

- Sino-France, Sino-Russia collaboration on OSS are also under the guidance of combination of government and civil sector.
- Italy, Finland and EU have also made request for collaboration.
- Mr. Leonardo, founder of Digital Media Project, chairman of MPEG has invited COPU to participant discussion and collaboration in DRM(Digital Rights Management).
- COPU has invited masters and leaders of OSS to be the senior advisors of COPU think tank ; COPU will held OSS Summit and roundtable meeting annually to discuss about the OSS movement in China and the world and promote international collaboration.
- The 2006 Open Source China Open Source the world has been held on August 24th-25th in Beijing China. In the summit, we discussed about the frontier issue of OSS movement, such as open standard, IPR and legal issues. We have experienced open source culture(open source and participation into international community, and found OSS community, discuss about OSS talents training and certificate, as well as the open standard, interoperability, virtualization technology, infrastructure for service, LAMP infrastructure application and innovation.



Support 3WGs in CJK OSS Promotion Forum

- WG1 has proposed to establish a reference platform of Linux desktop(and makes many testing and improvement after test running in public system); it has proposed reference platform of Linux server system (Mr. Mark founder of Ubuntu believes the development technology is good, and IBM agrees to give quality certification to it.)
- WG2 has exchanged experience on HRD and training with Japan and Korea, and prepare to make Zhongshan city of Guangdong province the first Linux city in China.
- WG3 supports CJK to research the standardization of Linux input interface and has got support from Mr. Jim Zemlin chairman of FSG.

