

从 **XOOPS** 的发展看中国自由软件的开发与 开源社区的建设

A XOOPS Story:
On Development of Free Software and Open Source
Community in China

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Agenda

- ⦿ XOOPS introduction
 - XOOPS project development
 - XOOPS community construction
- ⦿ XOOPS development in China
 - community construction
 - development and utilization
- ⦿ Free software development investigation
 - Free software definition
 - Current development status
- ⦿ Open source project development
 - Combination of open source community and social service projects
 - Mutual support between open source community and commercial companies
 - Mutual promotion between open source and business



XOOPS Introduction

- ⦿ Extensible Object Oriented Portal System – [zoo'ps]
- ⦿ Web content management platform based on GPL
- ⦿ PHP + MySQL , Smarty , ORM
- ⦿ Functionality modularity 、 interface modularity 、 systematic access control 、 flexibility on customization
- ⦿ From CMS to CMF



XOOPS Development

- Project established in 2001
 - Ono Kazumi (Japan) , Gogh Cheng (China)
 - People from phpnuke community
- Current status (according to SourceForge)
 - Lead Developers: skalpa, phppp
 - Core Developers: 4
 - Dev Team: 128 (developers, testers, packagers, designers, translators)
 - Downloads from SF: 5,163,050 (community download not included)
- SourceForge 2006: First runner up in Community Choice Awards
- eWEEK review 2006:
 - Microsoft SharePoint Portal Server 2003 (ASP), XOOPS (PHP), Plone (Python), and Liferay and JBoss Portal (JSP)
- Applications :
 - School of Medicine, Duke University (Health System Strategic Web Services)
 - Novell Forge
 - CentOS



XOOPS Community Construction

- ⦿ Complete voluntary open source community
- ⦿ Project core team (SourceForge)
 - Core Dev: lead developers (2), core developers(4)
 - Dev Team (128): developers, testers, packagers, designers, translators
- ⦿ XOOPS user community
 - English community (xoops.org): community management、documentation、news、hardware maintenance
 - Regional community : Chinese, French, Japanese, Brazilian, Spanish, Italian
- ⦿ Development community (dev.xoops.org)
 - Modules
 - Themes
 - Add-ons
- ⦿ XOOPS Foundation (since 2005)
 - Copyright
 - Non-commercial donation



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XOOPS Chinese Community Construction

- ◎ Traditional Chinese community
 - Taiwan
 - Hong Kong
- ◎ Simplified Chinese community
 - Mainland
 - Malaysia 、 Indonesia
 - Europe 、 Oceania 、 America
- ◎ Haiwei XOOPS community
- ◎ Xoops China community
 - hobbyists 、 individuals and cooperate users
 - Xoops.org.cn registered users (1,5000)
 - Regular registered user (several hundred)
 - Support team member (30)
 - Management team member (10)



XOOPS Chinese Community Construction

- ◎ Free software in 4 stages
 - Free use
 - Free study (Open source)
 - Free redistribution
 - Free feedback , improvements
- ◎ One of the most active Chinese community in participation to the international open source projects
 - Project initial member : Gogh Cheng
 - Theme design : imagocn
 - Major module development : lvyee.org , bbchen
 - Current project responsible : phppp



XOOPS Development Model in China

- ◎ Foreign XOOPS module localization and documentation
 - Xoops China community
 - Individual users 、 cooperate users
- ◎ Common module testing and bug fixing
 - hobbyists , users
- ◎ Design and development of new module , Chinese configuration
 - Community core members
 - Feedbacks from enterprises
- ◎ XOOPS core structure development and improvement
 - Regular system improvement , open source community commonly used models
 - Existing system costomization , payment



XOOPS Utilization in China

- ◎ XOOPS system and Module common usage
 - Individual users, compaies/cooperate users
 - Inner-Mongolia Education office , Linux people , Lanzhou University open source community
- ◎ System + module definition
 - Majority is for utilization
- ◎ Own development for functional module
 - Construct own development team
 - New Zealand skykiwi
 - Community cooperation with XOOPS community
 - Lvye info , Kaifu Student Network , Qiongyou.net
- ◎ Utilize XOOPS framework , own definition for development
 - regular development and design team
 - Mature internal “product” or development model
 - Blue Bamboo Ventures, China Venture , Meizhou City government network



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Definition for Free Software

- ◎ Spirit :
 - Longing for freedom and practice
- ◎ Technology :
 - Study 、 communication 、 improvement
- ◎ commerce :
 - Sharing and reuse of resource, reduce development maintenance costs
- ◎ Society :
 - Integrate resource, eliminate repeating development and waste of resource



From XOOPS Chinese community perspective: Free software development status in China

- Utilization of free (or open source) software is getting increasingly important
 - From theory to practice, to utilization
- Mutual development between open source community and commercial activity
 - Open source community resource been used by commercial enterprises
 - commercial enterprises towards open source
- Low sustainability in free software development, communities are rather fragile
 - Produces “project”, not “product”
 - Not directly match commercial requirements
 - Developers (contributors) have huge pressure on living
 - No guarantee: progress, quality
 - Commercial enterprises is conservative towards open source
 - Complexity in copy right issues
 - Limitation in government policies
 - Difficulties in warranty for benefits for open source communities or teams
- Small teams 、 periodic development
- Individual participation and international open source community
- Closed development, opened source

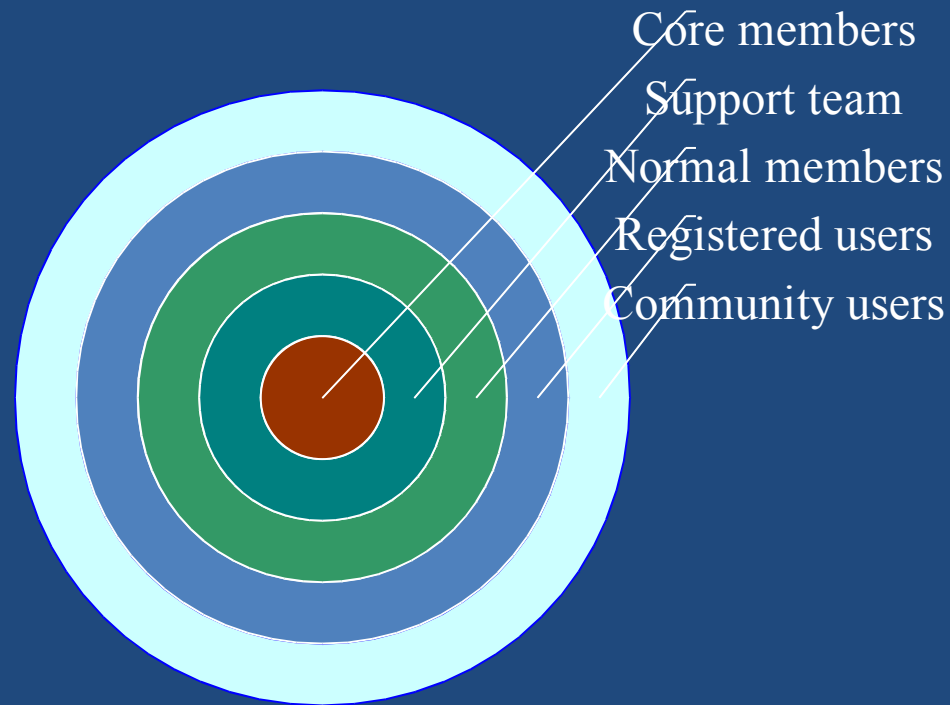


XOOPS Chinese Community Experiment

- ◎ From the original hobbyist community to a stable community with capability in development, utilization, and services
 - The enhancement of security, stability and functionality in XOOPS system
 - Continuous Chinese localization tasks : documentation, Chinese-oriented customization
 - Promote mass usage
 - Ensure the centrality of the community amongst the major participants - beyond technology
- ◎ Effective operation mechanism and ensure the sustainability of the community development



Chinese Community Team Building



Chinese Community Team Building

- ⦿ User registration ratio is not important
 - Respect the freedom in free software
 - No limitation for unregistered users
- ⦿ Value registered users, attract regular members
 - fast response to issues raised by users
 - Create the community atmosphere with harmony and comfort
 - Ensure the quality of content in the community
- ⦿ Development of the support team
 - Identify capable registered users with willingness to contribute
 - Regular community offline activities
 - Help to find and offer work or development tasks with payment
- ⦿ Keep core members
 - Discussion, task distribution management
 - Beyond XOOPS



Means of cooperation with others

- ⦿ **Community - community**
 - Participation in open source or public service communities
- ⦿ **Community – individual - business**
 - Produce developers for companies
- ⦿ **Business - business**
 - Offer development and technical support for companies
- ⦿ **Community – business – open source**
 - Offer consultancy and support for open source activities in companies
- ⦿ **Community – open source - business**
 - Cooperation, technology integration, management improvement in open source projects with companies



Community – community cooperation



development/support



**Functionality
/documentation
/testing**



XOOPS
powered by you

XOOPS community & Kaifu Student network

- Kaifu student network is a public service network for students
 - Dr. Li Kaifu covers costs for hardware
 - Website is managed by community members
 - Does not have technical support team
- XOOPS community is responsible for technical development and server maintenance
 - Huge amount of student volunteers to participate and help in XOOPS documentation
 - Benefits for XOOPS system improvements from the functional needs and testing during operation
 - Provide valuable experience in managing Kaifu student network
 - Development result is in accord to XOOPS framework and conventions , no special copyrights/privacy needs , delivers quick feedback to the community



Community-Individual-Business Model



Blue Bamboo Ventures development model

- ⦿ Blue Bamboo Ventures (BBV) aims to establish services for consumption group in cities and a media formality trusted by top advertisement agencies
- ⦿ Choose XOOPS as development framework
- ⦿ Recruit key technical personnel from XOOPS community
- ⦿ Establish own platform for further development
- ⦿ Contribute modules with common functionality back to society
- ⦿ Improve XOOPS community development



B business-B business cooperation model



XOOPS Community and LVYE Info Cooperation

- ◎ LYVE Info is the largest community website for self-supported outdoor activities
 - Started in business development , no technical team
 - Prior community cooperation forms the base for mutual business cooperation
 - Focus on XOOPS module structure design , suitable for LVYE's development needs in functional adjustment
 - XOOPS multilingual mechanism meets technical needs for LVYE's long-term development
- ◎ XOOPS core team forms a service company responsible for LVYE's technical work, charged by offering services
 - Responsible for technology development and server maintenance
 - On-shore outsourcing



Community-Business-Open source model



Toward Open Source - MySee

- MySee is the first company carrying out R&D in P2P video live broadcast
 - Advance in R&D and application of Media network streaming technology in the world
 - Technical development and maintenance costs are high
 - Open source the technology and sharing with open source community
 - Lack of knowledge and experience in open source
- XOOPS community has long-term open source development and community management experience , offering MySee consultancy and support towards open source business operation , and develop open source community together



Community-open source-business model



Utilizing technology
integration
Open source coordination



Toward open source – Hudong online

- ◎ Hudong online open source its Wiki system
- ◎ Offering a free, secure and user-friendly Wiki system
- ◎ XOOPS Chinese community in cooperation with Hudong online , building an open source content management platform based on XOOPS framework and the wiki system target for Chinese users



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We Choose Open Source

We Choose XOOPS

- LVYE Outdoor is a free platform offering information exchange and gathering, has the same open source spirit as **XOOPS**
- XOOPS offers modularity on top of system framework with strong extendibility – the same development idea as LVYE
- LVYE developed from a simple outdoor forum to website offering information from all source channels , XOOPS offers solid backbone support
- Technology is an important part of in web development , an excellent technical team, a sustainable technology platform and a responsible development team is needed. We choose XOOPS 。
- **XOOPS** is **open source** software ... (Duke) Web Services has all of the source code and full control over what it can and cannot do...
- XOOPS is a CMS ... frees us from working on content related maintenance tasks and allows us to build on the framework and work on other web applications.
- XOOPS is a community ... constantly improving the software and adding additional modules, all of which is available for free.



DUKE UNIVERSITY HEALTH SYSTEM
DHTS Web Services



XOOPS
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References

- Sourceforge XOOPS Project: <http://sourceforge.net/projects/xoops>
- 共创联盟: <http://cosoft.org.cn>
- XOOPS Community: <http://www.xoops.org>
- XOOPS China: <http://xoops.org.cn>
- XOOPS 繁体中文: <http://xoops.tnc.edu.tw/>
- eWEEK review: <http://www.eweek.com/article2/0,1895,1983364,00.asp>
- Duke Medicine: <http://medschool.duke.edu/>
- CentOS: <http://www.centos.org>
- Novell Forge: <http://forge.novell.com>
- Blue Bamboo Ventures : <http://6xue.info> <http://chinadeco.com.cn>
- China Venture: <http://chinaventure.com.cn/>
- 绿野 info : <http://www.lvye.info>
- MySee: <http://www.mysee.com>
- Hoodong: <http://www.hoodong.com>
- 开复学生网: <http://kaifulee.com>
- 穷游网: <http://www.go2eu.com>
- Linux 人: <http://linux-ren.org>

