



Open Source 系统应用

——Drupal CMS 介绍



agenda



- Open Source 简介
- Open Source CMS
- Drupal — 连续多年票选第一名的CMS





Open Source Software定义

1. 重新分发的自由 (Free Redistribution)
2. 源代码的自由传播 (Source Code)
3. 允许对原作品修改及产生衍生作品 (Derived Works)
4. 须保持源代码的完整性 (Integrity of The Author's Source Code)
5. 授权条款不得对任何人或群体有差别待遇 (No Discrimination Against Persons or Groups)



Open Source Software 定义

6. 授权条款不得限制使用领域或活动 (No Discrimination Against Fields of Endeavor)
7. 重新分发时, 授权条款自动生效 (Distribution of License)
8. 不得限定在特定产品版本 (License Must Not Be Specific to a Product)
9. 不得限制其他的软件要求 (License Must Not Restrict Other Software)
10. 必须保持技术中立性 (License Must Be Technology-Neutral)



Open Source的迷思

- Open Source系统的质量差？
 - Open Source系统通常是不成熟的？
 - 开放原始码的漏洞很多？
 - 因为开放，所以容易被入侵？
- Open Source的开发者是谁？
 - 开发者通常是学生或初学者？
 - 为什么有人愿意免费公开自己的心血？
- Open Source的使用者是谁？
 - 用户通常是非营利组织或个人？
 - 企业通常不会使用open source？



Open Source精神的长处

- 合作多于竞争，有效发挥人力资源
- 众目睽睽，软件质量提升迅速
- 技术导向，甚少受市场需求左右
- 技术支持市场活泼
- 遵循公开标准及模块化设计原则，软件人力资源之培训与使用有效率



知名 *Open Source* 软件!

- Linux、FreeBSD、Debian、OpenSolaris
- Firefox、Thunderbird
- Apache、PHP、MySQL、PostgreSQL
- Open Office
- Moodle、Magento、Lifetype、phpBB
、WordPress
- more...



sourceforge.net (sf.net)

Google - +

Ubuntu Home Page | Ubuntu x drupal.org | Community plu... x Druap网站oupedia.com吸... x SF SourceForge.net: Softwar... x

← → ↺ ☆ http://sourceforge.net/softwaremap/ ▶ 🔍

Topics

Clustering (902) Most active: ehcache	Financial (4865) Most active: PostBooks ERP accounting, CRM by xTuple	Security (6564) Most active: KeePass Password Safe
Database (13003) Most active: phpMyAdmin	Games (36983) Most active: FreeCol	Storage (4654) Most active: 7-Zip
Desktop (6692) Most active: ADempiere ERP Business Suite	Hardware (2804) Most active: Tcl	SysAdmin (5622) Most active: phpMyAdmin
Development (59488) Most active: Notepad++	Multimedia (30816) Most active: Openbravo ERP	VoIP (763) Most active: aria2 - CLI Metalink/BitTorrent client
Enterprise (5918) Most active: PostBooks ERP accounting, CRM by xTuple	Networking (7979) Most active: Zenoss Core - Enterprise IT Monitoring	Display All » View all of the topics in the Software Map
		Display Freshmeat Projects » View all Freshmeat Projects



CMS on codeplex.com

Ubuntu Home Page | ... x drupal.org | Communi... x Druap网站oupedia.c... x SF SourceForge.net: Sof... x CodePlex - CodePlex ... x

Google

http://www.codeplex.com/site/search?projectSearchText=cms

CodePlex Open Source Project Community

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RSS Feed Keep up with new projects, releases, and more

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☐ Exclude releases still in development [i](#)

1-25 of 184 projects sorted by Show [10](#) [25](#) [50](#) [100](#) Projects

PROJECT	LATEST RELEASE
Umbraco CMS Umbraco is the best open source Web CMS for .NET. Its flexible content model with full .NET integration, full control over markup and stellar user interface makes both editors, designers and developers smile. Full support for (X)HTML *strict* markup and SEO. Page Views: 7621* Downloads: 6134* Started: Aug 10 2006 Contributors: 11 License: Custom Tags: CMS, umbraco, ASP.NET, umbraco CMS, Content Management, xslt, .NET 2.0	Umbraco 4.0.2.1 Jun 3 2009 - Stable No ratings / reviews yet 4.1 star avg in previous release
N2 CMS A lightweight CMS framework that helps you build great web sites that anyone can update. Content editors can enjoy a simple and empowering web interface. Developers will benefit from a programmer friendly API that makes building web sites quick and fun.	1.4.5.2 May 17 2009 - Stable ★★★★★ 2 ratings

Refine results by

Development Status

- [Alpha or better](#) (63)
- [Beta or better](#) (60)
- [Stable only](#) (40)

Tag

- [.NET](#) (11)
- [.NET 2.0](#) (12)
- [Ajax](#) (13)
- [ASP.NET](#) (46)
- [ASP.NET 2.0](#) (22)
- [ASP.NET 3.5](#) (13)
- [blog](#) (14)
- [blogging](#) (7)
- [C#](#) (29)
- [CMS](#) (95)
- [Content Management](#) (22)
- [Database](#) (9)



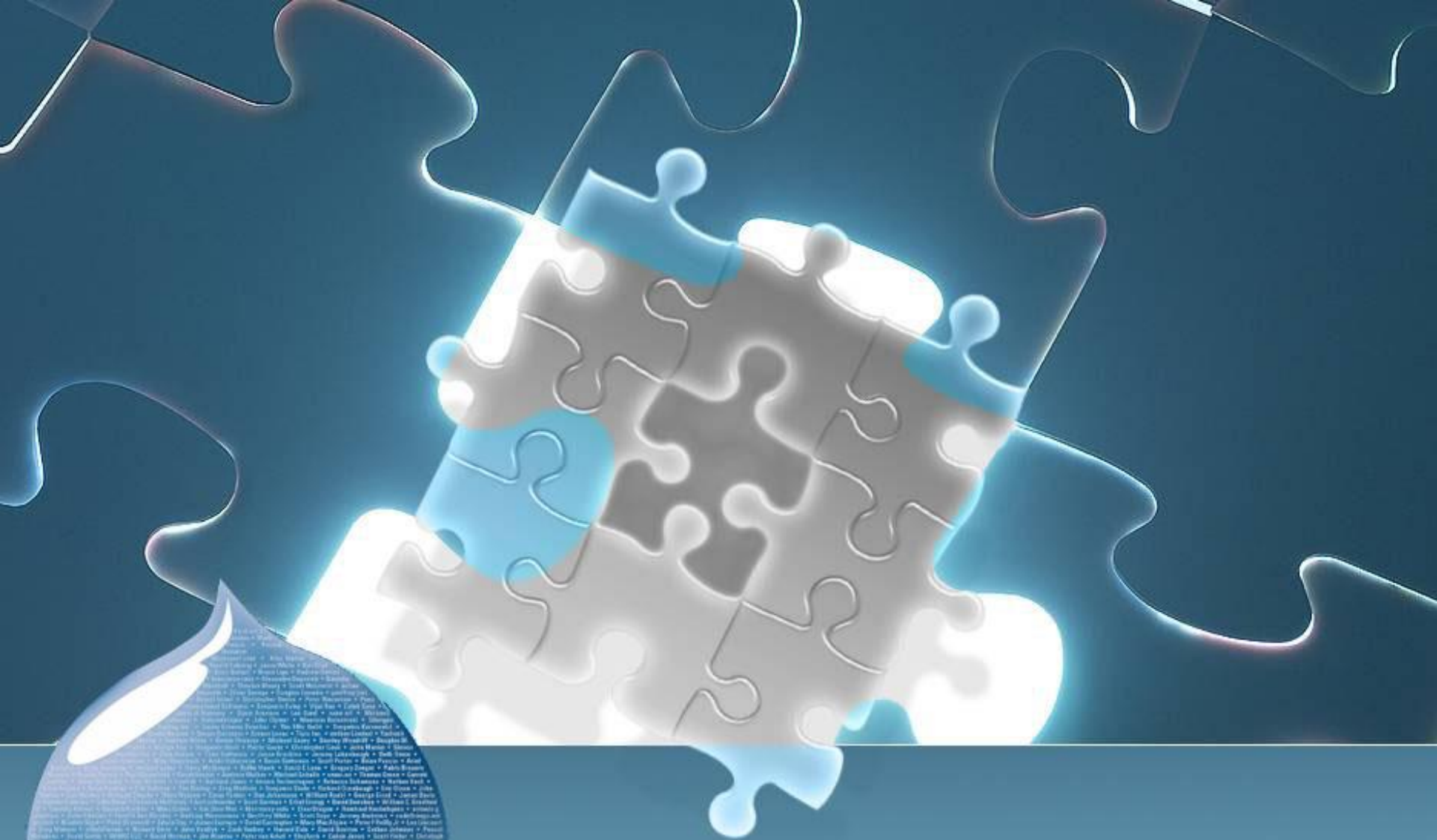
对Open Source的认知

- 免费，不代表质量差！
- 开放，才能持续不断的进步！
- 透明，因此漏洞更无所遁形！
- 愈来愈多的企业，已将open source视为软件方案的选项之一！
- Open Source不是白吃的午餐！
 - 人人能使用，个个不满意？
- Open Source软件的评估非常重要



Open Source 系统的评估

- 发展过程与未来前景
- 开发团队
- 开发的语言、技术与架构
- 使用者社区
- 文件与说明



Open Source CMS





Open Source CMS

- CMS 1.0
 - Content Management System
- CMS 2.0
- CMS 3.0 = 3C
 - Content
 - Community
 - Collaboration



• Open Source CMS online Demo

• <http://www.opensourcecms.com>

Translate PHP Demos | ASP.NET Demos you are 1 of 756 people online

opensourceCMS
try before you install

try
PHP
cms demos

try
ASPX
cms demos



Drupal

—票选第一名的CMS



Drupal是什么？

- Drupal是一套开放源码的内容管理平台，拥有多种实用的功能，可以用来建置从个人blog到大型社区网站等各种类型的网站，从个人blog ([Tim Berners-Lee](#))、podcast网站 ([TWIT.tv](#))、社区网站 ([SpreadFireFox](#)) 到大型内容网站 ([the Onion](#)、[MTV](#)、[NASA](#)) 等。



Drupal起源

- 2000年时，比利时Antwerp大学的两位学生Dries Buytaert和Hans Snijder设计了一个简单的内部网络讨论板，让朋友们可以上来留言，彼此交流心得。
- Dries毕业后，在板上活跃的社群成员们，便想将该系统从内部网络搬到internet上，让他们可以持续保持联系，所以注册了dorp.org网址。(dorp为荷兰语的village)
- dorp.org上线后，慢慢演变成Dries等人的实验环境，许多的CMS想法和讨论，一点一滴地在上面实现。
- 2001年1月，Dries用GPL方式释出他的实验成果，取名drupal (取自荷兰语druppel，即英语的drop，小水滴之意)。





Drupal大事记

- 2001.1.15 Drupal 1.0 release
- 2001.4.26 drupal.org 设立
- 2003.7.13 Deanspace and Civicspace 使用Drupal
- 2004.8.19 drupaldocs.org (api.drupal.org) 设立
- 2004.9.14 Spreadfirefox.com 使用Drupal
- 2005.2.24 Antwerp developer sprint (first drupalcon)
- 2005.4.24 Security team 设立
- 2005.7.12 [Sun donation. OSUOSL \(Oregon State University Open Source Lab\) hosts drupal.org](http://Sun donation. OSUOSL (Oregon State University Open Source Lab) hosts drupal.org)
- ...
- 2007.2.26 Drupal Association 成立



Drupal网站秀

http://recovery.gov/

Recovery.gov | drupal.org | Communit... | Druap网站 | oupedia.co... | SF SourceForge.net: Soft... | OpenSourceCMS - Try ...

THURSDAY, JUNE 18, 2009

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SEARCH

TRANSFORMING PUBLIC HOUSING COMMUNITIES

Thousands of public housing units for lower-income residents, including the elderly and disabled, will be developed and modernized as a result of approximately \$1 billion in grants from the Department of Housing and Urban Development. Most of the grant money will be devoted to making the units more energy efficient, thus decreasing utility costs to the residents.

LEARN MORE ▶

MORE FEATURES 1 2 3 4 5

Improvements for Low-Income Residents

- Energy Efficiency**
\$600 M
Sources: Department of Housing and Urban Development; Courtesy of ENERGY STAR; USA Search.gov
- Financing Stalled Projects**
\$200 M
- Public Housing Transformation**
\$100 M
- Housing for the Elderly and Disabled**
\$95 M

Featured News

Monday, June 15, 2009

The Recovery, Accountability and Transparency Boards releases the after-report on the National Dialogue on IT Solutions

What's New at Recovery.gov

Read Agency Reports

The Reports and associated Program Plans outlining the distribution of Recovery Funds can now be read and downloaded.

Accountability and Transparency

Find out how your money is being spent through Inspector General Findings, Inspector General Financial and Activity Reports, Inspector General Recovery Plans

台灣向前行

馬英九蕭萬長 2.0

網站首頁 馬/蕭部落格 新聞 行程 政策 影音 社群 活動資訊



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0322

2007/09/22 「為亞洲及台灣的經濟發展把脈」
14:00-16:00 國際經濟論壇-蕭萬長經濟發展主
Mundell 座談會

2007/09/22 蕭萬長--國民黨執政縣市市長座談會
09:00-10:30 座

2007/09/22 蕭萬長--漢城宮參拜
08:10-08:30

更多相關行程...

焦點訊息 Hot News

馬英九蕭萬長 官網升級 - 影音問答活動開始!

2007-09-21 17:01

馬英九先生在官網上透過影像和聲音和你分享自己的每一個小故事。官網也

- 九月 19 2007 馬英九與孟伯雨的關鍵對話
- 九月 19 為亞洲及台灣的經濟發展



Drupal网站秀

<http://media.mit.edu/>

MIT Media Lab

drupal.org | Communit... Druap网站oupedia.co... SF SourceForge.net: Soft... OpenSourceCMS - Try ...

http://media.mit.edu/ login

MIT Media Lab

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- Students
- Press
- Alumni

Urban Pixels

BLURRING THE BOUNDARIES BETWEEN
DISPLAY AND STREET LIGHTING

Feature



Highlights

- Sensors and Sensitivity
- Developing City-Friendly Cars
- Congratulations to Media Arts and Sciences Graduates!
- Draw + Audio = Drawdio!
- Oxman, Griffith on Fast Company's Most Creative List

Upcoming

- Connections Exhibit at MIT Museum

[more events >](#)



Drupal网站秀

<http://www.mtv.co.uk/>

Google Chrome browser window showing the MTV.co.uk website.

Browser tabs: New Music Videos, Real... | drupal.org | Communit... | Druap网站oupedia.co... | SF SourceForge.net: Soft... | OpenSourceCMS - Try ...

Address bar: <http://www.mtv.co.uk/>

MTV.co.uk BETA

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Drupal网站秀

<http://appel.nasa.gov/>



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Welcome to APPEL

Under the [Office of the Chief Engineer](#), the Academy of Program/Project & Engineering Leadership (APPEL) provides leadership, advice, direction, and support for the development and learning of the NASA program/project management and engineering community.

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- We promote continuous learning through our blended learning model, which leverages the expertise of university and private industry partners.
- We offer performance support to our project teams through assessment, workshops, expert consulting, rapid deployment training, coaching, and mentoring.
- We facilitate the dissemination of lessons learned through online resources and communities of practice.

Highlights

PM CHALLENGE 2008



The NASA PM Challenge 2008 website is

now up. This PM Challenge will be held February 26-27, 2008 at Hilton Oceanfront Hotel, Daytona Beach, Florida near Kennedy Space Center.

+ More Information

7120.5D KNOWLEDGE TOOL

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Google

http://www.ubuntu.com/

Products Support Community Partners News

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Get Support

Free documentation and community support, or buy professional support

Get Involved

About Ubuntu

Ubuntu is a community developed, Linux-based operating system that is perfect for laptops, desktops and servers. It contains all the applications you need - a web browser, presentation, document and spreadsheet software, instant messaging and much more.

[Learn more about Ubuntu »](#) - [Take the desktop tour »](#)

Desktop Edition

Server Edition

Press Room

[Canonical certifies Ubuntu 9.04](#)





Drupal网站秀

http://gallery.menalto.com

Gallery | Your photos o...
drupal.org | Communit...
Druap网站oupedia.co...
SF SourceForge.net: Soft...
OpenSourceCMS - Try ...

← → ↺ ☆ http://gallery.menalto.com/ ▶ ⌵ 🔑

Gallery
YOUR PHOTOS ON YOUR WEBSITE

downloads documentation

search forums support development login

This is the official website of **Gallery**, the open source web based **photo album organizer**. Gallery gives you an intuitive way to blend photo management seamlessly into your own website whether you're running a small personal site or a large community site.

More:

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- ▶ [Features](#)
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Ads by Google

[Photo Web](#)

[Photo Studio](#)

[Image Slide](#)

[Joomla Photo](#)

Gallery 3.0 Beta 1 is ready!

Submitted by [bharat](#) on Fri, 2009-06-05 07:12

Gallery 3 is finally in beta! We've been hard at work over the past 8 months designing and building a worthy successor to the Gallery line and we are happy to say that we've got something that we think will make you very happy. The big news for this release is that from this point on, we will support upgrades to future releases! But don't take our word for it, **download it now!**

» [89 comments](#) | [Read more](#)

Gallery 3.0 Beta 1 is ready!

Submitted by [bharat](#) on Wed, 2009-05-27 04:17

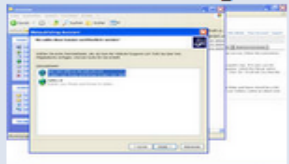
You may have noticed that in Gallery 3 we're tightening the scope of the product considerably. We're setting our laser focus on our most common users - those who will benefit the most from our hard work

Latest Releases

- Gallery 2.3**
- Gallery 1.5.10**
- Gallery Remote 1.5**

Gallery

Random Image



Add item with the Publish XP Wizard, select server

Navigation

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Drupal网站秀

http://spreadfirefox.com

Spread Firefox | The Home of Firefox Community Marketing - Mozilla Firefox

文件 (E) 编辑 (E) 查看 (V) 历史 (S) Delicious 书签 (B) 工具 (T) 帮助 (H)

http://www.spreadfirefox.com/

H... 百度搜索... 百度搜索... Drupal CM... 百度搜索... Plone Con... Plone Con... MedTech... W 内容管理... The CMS ... Trends go... Google Tr... Sprea... x



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Featured Projects

1 of 6

Firefox in Jordan

Collaborate, share ideas and help build the Firefox community in Jordan! Learn about the Jordan University of Science and Technology's Mozilla Club and how they've made Firefox the

Recent Discussions

Re: Marketing Plan for India Launch - T...
that would be a great plan especially to those peo...

Top Fox Spot

See how Top Foxes are ranking this week.

[Top Movers](#) [Top 5](#)

x 查找: drupal 下一个 (N) 上一个 (P) 全部高亮显示 (A) 区分大小写 (C)

完成

YSlow Tor 被禁用



Drupal Site Showcase网站

http://www.theonion.com

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DRUPALSITES.net

now! 3000 websites

Community United States of America Blog Corporate Services Nonprofit Education Media Portal Entertainment Personal eCommerce Arts United Kingdom Portfolio Activism Canada Sports Music Magazine Health Photography Australia Politics Italy Germany Spain Russia Science Spiritual Netherlands France Belgium India Indonesia Sweden Turkey Greece Hungary Ukraine New Zealand Software Brazil Poland South Africa Portugal Philippines Mexico Malaysia Romania Austria Denmark Israel China Egypt Czech Republic Norway Thailand Switzerland Argentina

AcquiaNetwork acquia
Drupal Expertise. Network Services.
Technical Support.
Free 30-day Trial
download acquia drupal

BEAUTIFUL DRUPAL THEMES

now %15 discount, coupon 'summer'

DrupalSites.net is a directory that lists websites powered by the open-source content management system **Drupal**.

We hope to demonstrate the flexibility of this CMS by listing all the different sites out there.

more:

- Promote
- Contact DrupalSites
- Sponsor

latest showcase:

- Global Museum on Communism
- Сумской

featured drupal sites | latest showcase

#4227 balcom

GO!

♥♥♥♥♥

Balcom Agency provides clients with comprehensive advertising, interactive, public relation

#4223 lucilia caesar

GO!

♥♥♥♥♥

Lucilia caesar is a belgian theater company. Website based on Drupal 6 Flash Video

#4210 trapp family...

GO!

♥♥♥♥♥

The Trapp Family Lodge. The redesigned site reflects the elegance & style of the renown



Drupal 荣誉

- 2006年IBM Internet TechnologyGroup选择Drupal架设协同工作网站
- 2006年最佳CMS网友票选，与Joomla并列第一名(专家投票结果为第二名)
 - 前五名为Joomla、Drupal、Plone、e107、XOOPS
- 2007年，2008年最佳PHP CMS
 - www.PacktPub.com 主办
- 20个子项目获得Google Summer of Code2007赞助，为所有Open Source第一名

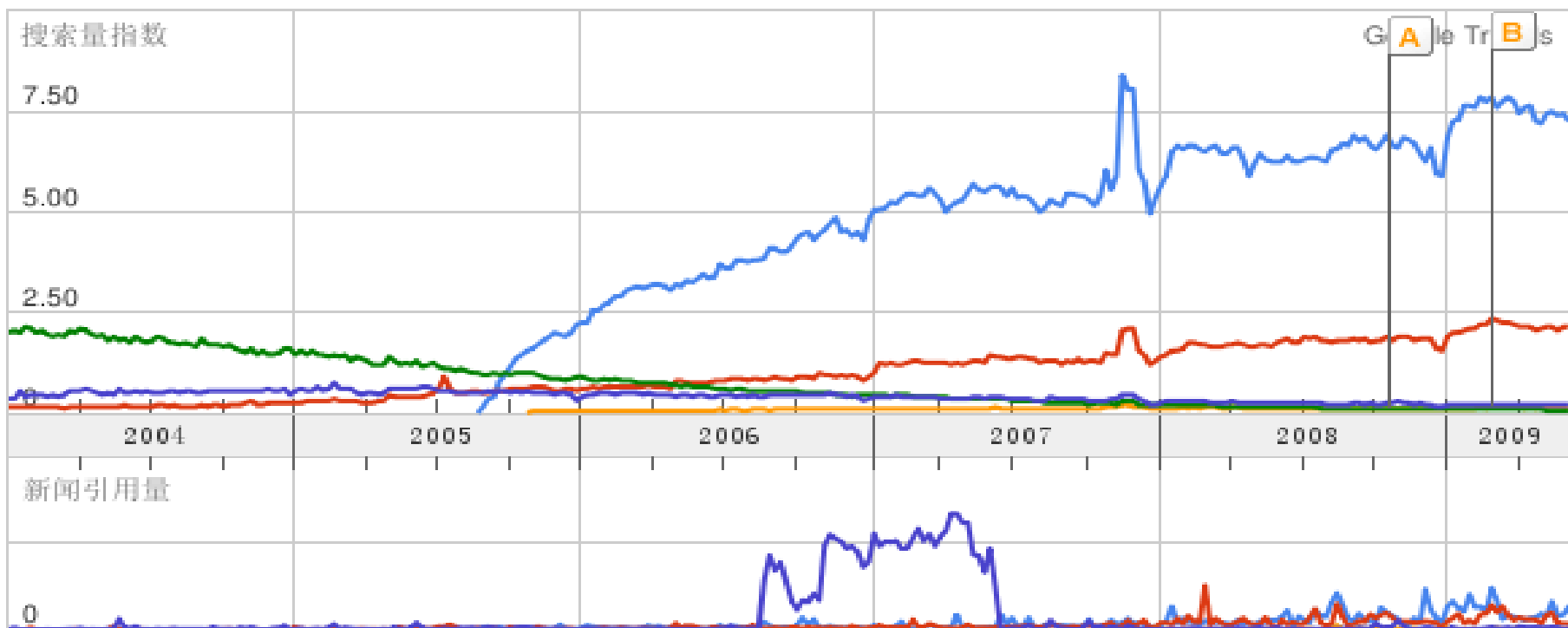


Google 搜索趋势

趋势记录

比例是以“drupal”在所有年份的全球平均访问量为基础的。 [了解详情](#)

joomla 3.55 drupal 1.00 modx 0.05 phpnuke 0.75 plone 0.40



排序依据

drupal



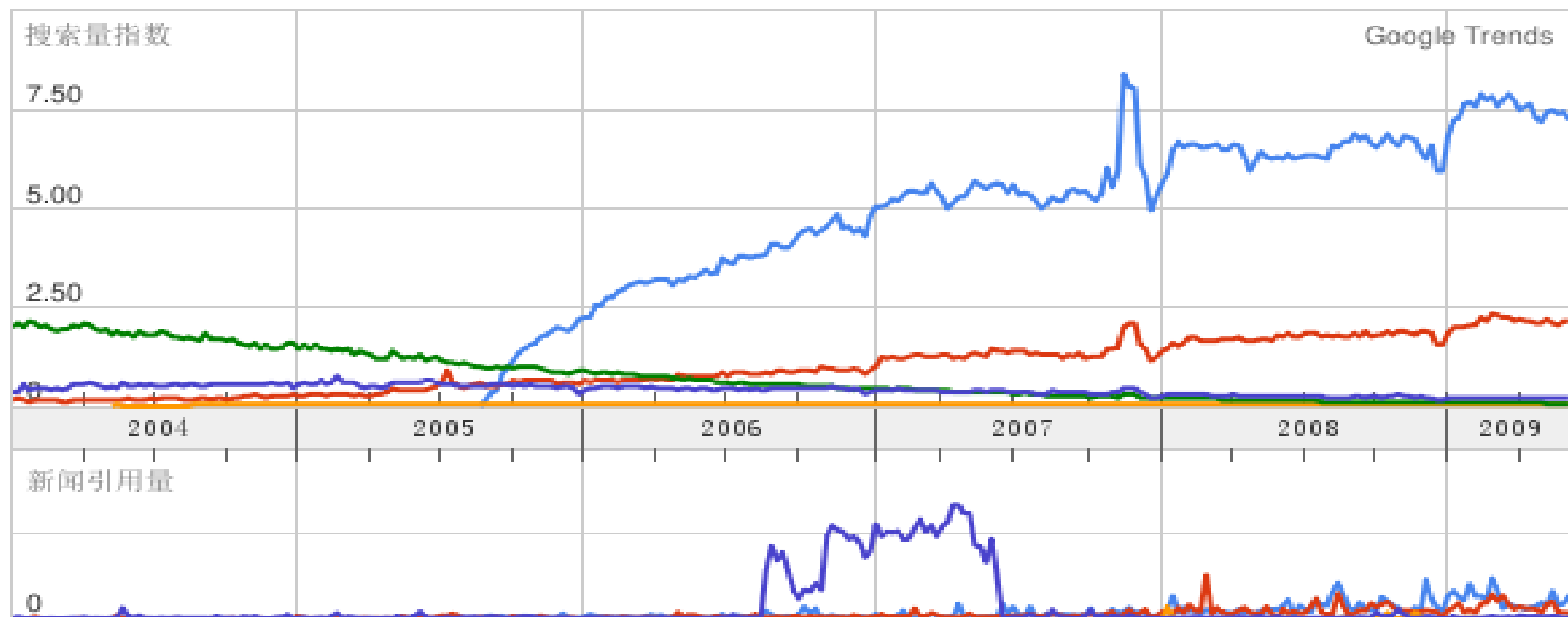


Joomla的前身manbo基本完蛋

趋势记录

比例是以“drupal”在所有年份的全球平均访问量为基础的。 [了解详情](#)

joomla 3.60 drupal 1.00 manbo 0.05 phpnuke 0.75 plone 0.40



排序依据

drupal





http://cmsmatrix.com

CMS Matrix

[Compare](#)[Search](#)[Sort by clicks](#)[Sort by views](#)[Sort by compares](#)[Sort by updated](#)[Sort by
name](#)

- ☐ [Joomla!](#)
- ☐ [Drupal](#)
- ☐ [Mambo](#)
- ☐ [TYPO3](#)
- ☐ [WebGUI](#)
- ☐ [Plone](#)
- ☐ [Xoops](#)
- ☐ [PHP Nuke](#)
- ☐ [PostNuke](#)
- ☐ [DotNetNuke](#)
- ☐ [WordPress](#)
- ☐ [eZ Publish](#)
- ☐ [OpenCms](#)



CMSSmatrix (sort by views)

CMS Matrix

[Compare](#)[Search](#)[Sort by clicks](#)[Sort by views](#)[Sort by compares](#)[Sort by updated](#)[Sort by name](#)

- ☐ [WebGUI](#)
- ☐ [Mambo](#)
- ☐ [TYPO3](#)
- ☐ [Drupal](#)
- ☐ [Joomla!](#)
- ☐ [Plone](#)
- ☐ [e107](#)
- ☐ [DotNetNuke](#)
- ☐ [eZ Publish](#)
- ☐ [Artiphp](#)
- ☐ [Xoops](#)
- ☐ [OpenCms](#)
- ☐ [Jaws](#)
- ☐ [Xaraya](#)
- ☐ [Apache Lenya](#)
- ☐ [Komodo CMS](#)
- ☐ [PHP Nuke](#)
- ☐ [PostNuke](#)

If you are the maker of a product, or are an expert user and are willing to maintain the listing, so you can register your listing.

[create an account](#)

Listing Statistics

Most clicks	WebGUI (185922)
Most views	WebGUI (318647)
Most compares	Joomla! (344470)

Most recently updated

6/17/2009	Lumis Portal
6/17/2009	Campsite
	Asbru Web
6/16/2009	Content Management
6/15/2009	Family Connections
6/15/2009	WikkaWiki

Best Rated By Users

System	synType CMS
Requirements	(9.22/10)
	synType CMS



Why Drupal?

- 与Joomla比较起来, Drupal运行速度更快, 二次开发的灵活性更好
- 与国内的DeDeCMS, DZ等对比起来, Drupal的代码更规范, 接口清晰, 社区十分活跃
- 与其他CMS对比起来, Drupal的免费模块数量要多的多, Joomla的模块也多, 但有不少是收费的
- Drupal的文档还是比较丰富的, 数量虽然不是很多, 但drupal.org上的文档组织的十分清晰, 不要小看它, 对于一个开源社区来说, 规范和完善的细节非常重要 (book模块)。
- Drupal和DeDe比起来, 上手要复杂一些, 简单举例, 用DeDe, 新手可能一周能搭起一个看起来差不多的新闻门户网站, 但Drupal至少要一个月, 但到了后期, 你会发现Drupal能轻松实现门户网站, 企业站, 视频站, 社区等各种类型站点, 但DeDe之类的就明显没有后劲



IBM Internet Technology Group

	WordPress	Joomla	Drupal	Plone
Ease of Hosting and Installation	●	●	●	○
Ease of Setting up a Simple Site	●	●	●	●
Ease of Learning to Configure a More Complex Site	●	●	●	○
Content Admin Ease of Use	●	●	●	●
Graphical Flexibility	●	●	●	●
Structural Flexibility	○	●	●	●
User Roles and Workflow	○	○	●	●
Community/ Web 2.0 Functionality	●	●	●	●
Extending and Integrating	●	●	●	●
Scalability and Security	●	●	●	●
Site Maintenance	●	●	●	●
Support/Community Strength	●	●	●	●

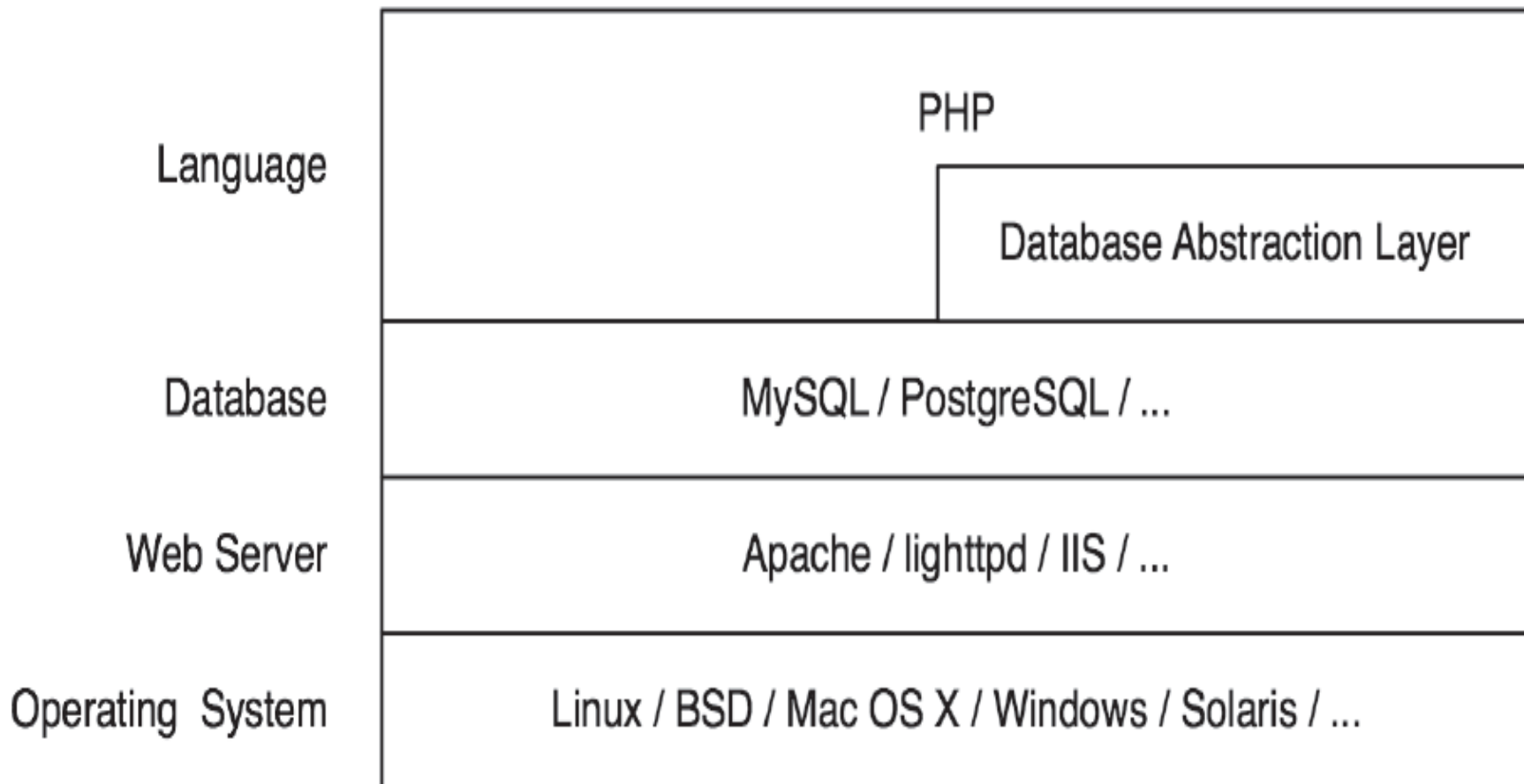
○ None ○ Fair ● Solid ● Excellent



	Drupal	Joomla!	WordPress	Plone
Barriers to entry	Medium	Low	Low	High
Language	PHP	PHP	PHP	Python
Structural Flexibility	High	Medium	Low	High
Multi-site Management Ability	High	Medium	Low	High
Extensions/Plug-ins	High	Medium	High	Low
Ease of Hosting	High	High	High	Low
Functionality (Out-of-the-box)	Medium	Low	High	Low
Scalability & Security	Medium	Medium	Medium	High
Investment Expense	Low	Low	Low	High



Drupal 's Technology Stack





系统安装&演示





运行环境设置 (Windows)

- Expert
 - Apache <http://httpd.apache.org>
 - PHP <http://www.php.net>
 - MySQL <http://www.mysql.com>
- Newbie(one click 方式)
 - PHPNOW
 - WAMPServer
<http://www.wampserver.com/>
 - AppServ
<http://www.appservnetwork.com/>



最新版本Drupal的安装

- Drupal 6.12 社区版本
 - <http://drupal.org>
- Acquia Drupal 1.2.11
 - [Download from http://acquia.com/](http://acquia.com/)



Drupal 的特色

- 核心模块已涵盖大多数应用之所需
- 以node为主的架构——简单而富有弹性
- 独特的Hook system——提高模块整合度
- 功能强大的API——方便模块开发
- 各式丰富好用的模块——CCK、Views…



Drupal 的特色

- 多个网站共享一份的程序代码
- 弹性的分类机制
- 具文件版本管理功能
- 可自定会员数据字段
- 详细的日志记录
- 程序、内容与主题独立
- 权限控制、选单、区块、搜寻、输入过滤、快取、负载机制等

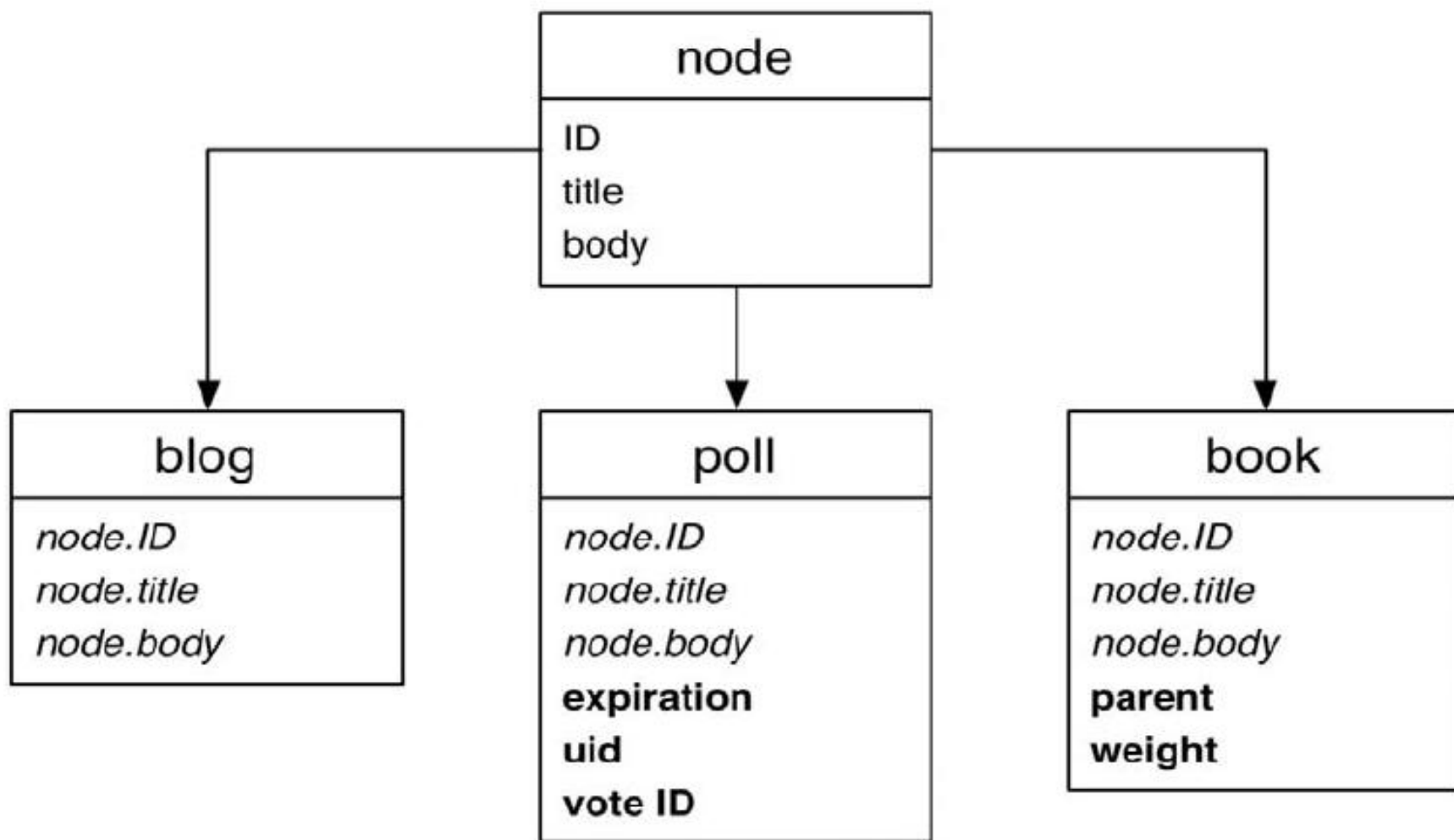


Drupal核心模块

- 基本的核心模块
 - Block
 - Filter
 - Node
 - System
 - User
 - Watchdog
- 可选择的核心模块
 - Aggregator、Blog、Blog API、Book、Color、Comment、Contact、Drupal、Forum、Help、Legacy、Locale、Menu、Path、Ping、Poll、Profile、Search、Statistics、Taxonomy、Throttle、Tracker、Upload



Drupal Node的概念





Hook System

- Hook可想象成Drupal的内部事件，又称为callbacks
- 定制模块时只须定义相关hook function，不必更改核心模块的程序代码
- 例如会员登入时，会触发user hook，所有的模块，只要有定义user hook function，该function均会被执行

<http://api.drupal.org/api/6/group/hooks>

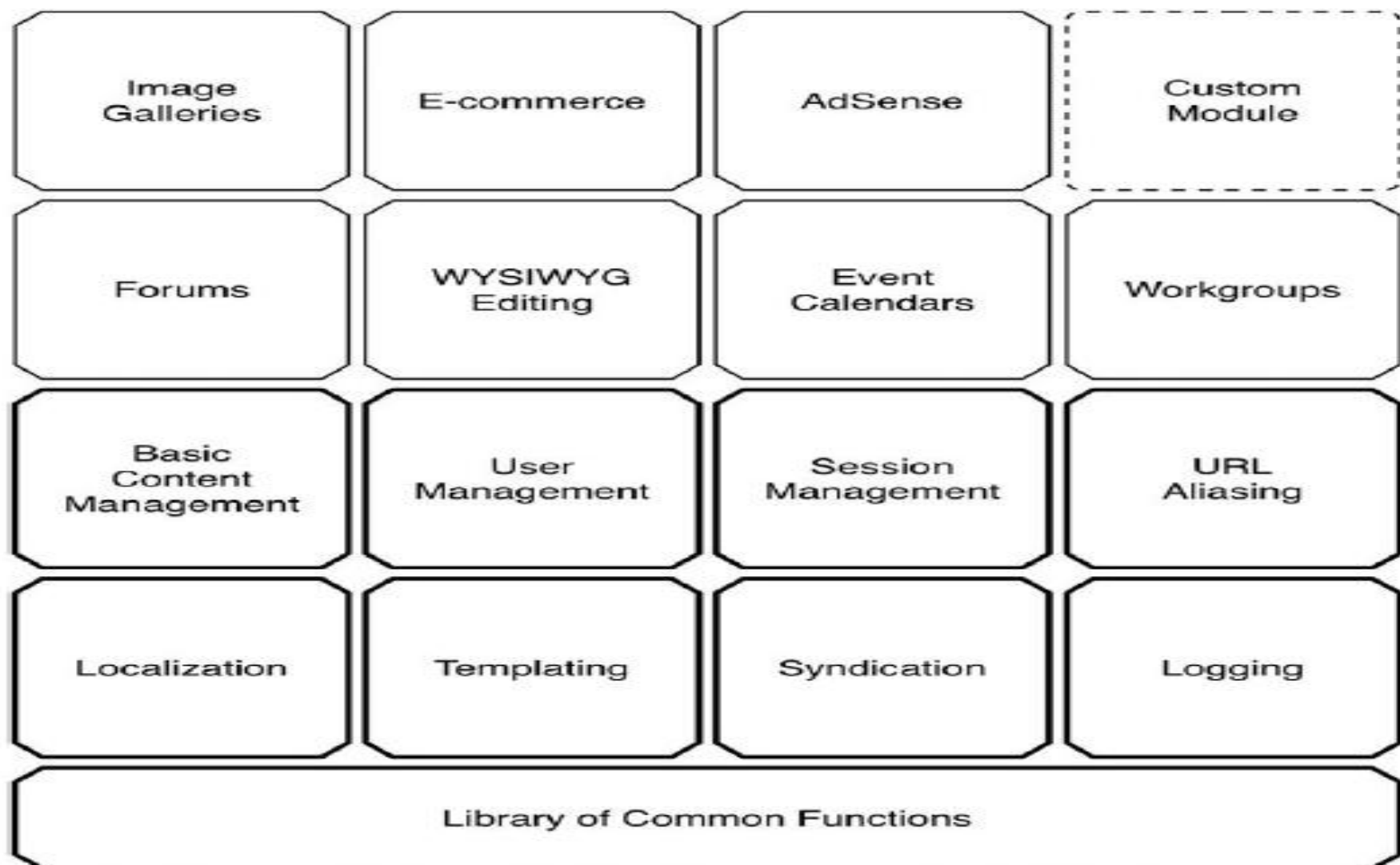


好用的模块—CCK、Views

- CCK(Content Construction Kit)
 - 可依个别需求定义内容类型(node type)
 - 支持各式型态字段
- Views
 - 可依个别需求建立数据库的views
 - 非常有弹性
- CCK + Views: 即使完全不会撰写程序, 也可完成许多定制的功能

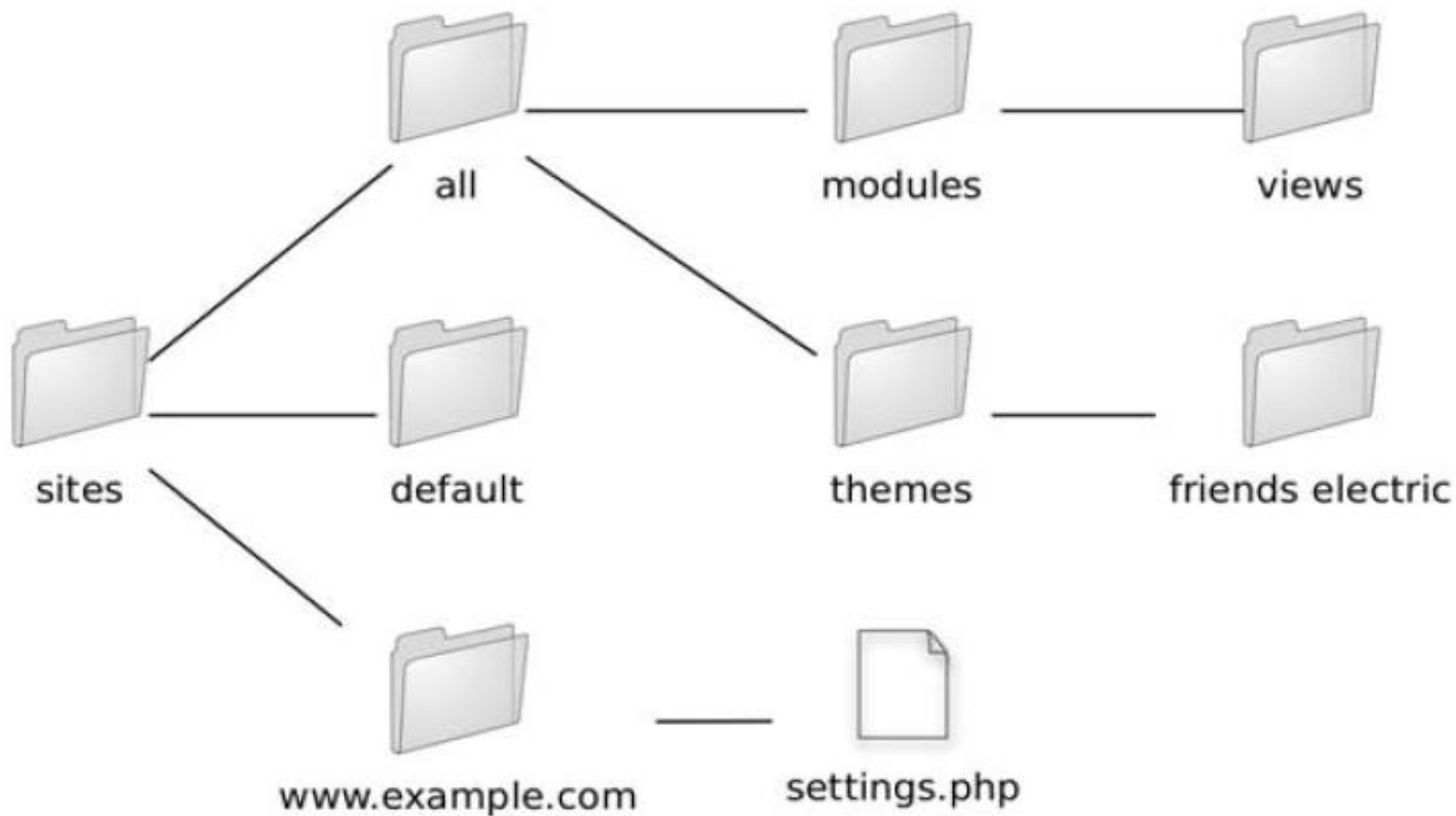


更多可扩充的模块





多个网站共享一份代码



结论



Drupal is a great CMS!





如何才能基于Drupal定制

- 必备知识?
 - 程序语言的基础(PHP…)
 - 网页设计的能力(HTML、CSS、Java Script…)
 - 数据库的观念(SQL…)
 - 网络基础知识(网站建设、信息安全…)
 - 美学的素养(设计原理、图像处理、多媒体…)
 - 营销的手法(网络营销、广告设计…)
 - 企业经营与管理的经验
 - 创意的思维与热忱



附录0. Drupal创始人以及商标持有人



- Dries Buytaert is passionate about the web, open source and photography. He is the original creator and project lead of Drupal, an open source social publishing system.



附录1. 学习资源

- 在线资源
 - <http://www.drupal.org>
 - <http://www.zhupou.cn>
 - <http://drupalchina.org>
- 线下资源（包含安装包以及教程）：
 - \\192.168.1.219\share\tim\drupal



附录3.企业化网站常用模块

- 一般采用webform, image, tinymce, imce, nodewords, taxonomy_defaults就完全足够了
- 稍微复杂点的再加Views, CCK



没有了,Thanks.



Umbraco: The friendly CMS

- Personally, Umbraco is the best non-PHP open source CMS
- 强烈推荐

The Friendly CMS

