

Open Source for the Enterprise

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Understanding Open Source

- Functionality
- Performance
- Reliability
- Supportability
- Cost
- License restrictions

Open Source Definition

- Free redistribution
- Source code
- Derived works
- Integrity of the author's source code
- No discrimination against persons or groups
- No discrimination against fields of endeavor
- Distribution of license
- License must not be specific to a product
- License must not contain other software

Open Source Compatible Licenses

- GNU General Public License
- GNU Library Public License
- BSD License
- MIT License
- Artistic License
- Apache Software License
- Mozilla Public License
- Python License
- Jabber Open Source License
- many others...

Open Source Project Directories

- SourceForge
 - 21,000+ registered projects
 - 180,000+ registered developers
 - <http://sourceforge.net>
- FreshMeat
 - 14,000+ registered projects
 - 84,000+ registered developers
 - <http://freshmeat.net>

Evolution

- Developer tools
- Operating systems
- Applications

DeveloperTools

- Texteditors
 - Emacs, Vim, Edit
- Languages and compilers
 - C, C++, Java, Perl, Eiffel, PHP, Tcl, Lisp, Forth, Basic
- Debuggers
 - gdb, kgdb
- Revision control
 - CVS, RCS
- Integrated Development Environments
 - NetBeans, Forte for Java Community Edition, KDevelop, Dev-C++

Operating Systems

- GNU/Linux
- FreeBSD
- FreeBSD OS
- OpenBSD
- eCos
- NetBSD
- Minix
- Oberon
- ReactOS

Server Applications

- File and print services
 - Samba
- Network infrastructure
 - DHCP , DNS , Linux Router Project
- Directory services
 - LDAP
- E-mail services
 - Virtual Domain Mail Server (POP2 , POP3 , IMAP) , nupop
 - sendmail

Server Applications (cont.)

- Web services
 - Apache, OpenSSL, PHP SysInfo
- Database services
 - MySQL, PostgreSQL
- Application servers
 - JBoss/Server, Enhydra

Client Applications

- Desktop environment
 - GNOME , KDE
- Internet
 - Konqueror, Mozilla , Kmail, Thunderbird
- Personal productivity
 - OpenOffice
- Instant Messaging
 - Jabber, Gaim , Jitsi
- Conferencing
 - drawboard , gVIX / CU3D Video Conferencing , C V W

Client Applications (cont.)

- Multimedia
 - GIMP, Freeware Advanced Audio Coder
- Windows Compatibility
 - WINE

Support Options

- Commercial support
- Volunteer support
- Do it yourself

Industry Trends

- Increased functionality
- Increasing number of software projects
- Increased support from hardware vendors
- Increased deployment
 - Organizations under budget constraints
 - Server and infrastructure environments

Advantages

- Reduced
 - software license costs
 - upgrades driven by vendor priorities
 - hardware requirements
 - vendor dependence
- Increased
 - security
 - support options
 - control of your own destiny

Open Source Deployments

- Burlington Coat Factory
 - Inventory, receiving, gift registry
- Hewlett-Packard Company
 - DHCP, DNS, LDAP, Samba and email gateways
- Home Depot
 - Floor terminals, point of sale terminals
- Mexico City municipal government
 - Vehicle licensing, tax collection, transit systems
- French government - Direction Générale des Impôts
 - Tax collection

Summary

- Thousands of software titles
- Moving up the value chain
- Infrastructure, servers, and clients
- Several support options available
- Being deployed in mission-critical areas
- Q & A